



# 中华中医药学会专家共识

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## 疏血通注射液治疗缺血性脑血管病临床应用 专家共识

Expert consensus on the clinical application of Shuxuetong injection  
in the treatment of ischemic cerebrovascular disease

(公示稿)

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# 前 言

本文件为中华中医药学会专家共识。

本共识按照GB/T 1.1-2020《标准化工作导则—第1部分：标准化文件的结构和起草规则》及《中华中医药学会中成药临床应用专家共识报告规范》给出的规则起草。

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# 引 言

缺血性脑血管病（Ischemic Cerebrovascular Disease, ICVD）是指局部脑组织，包括神经细胞、胶质细胞及联系纤维，由于供血障碍发生的变性、坏死或一过性的功能丧失，包括短暂性脑缺血发作（Transient Ischemic Attack, TIA）、缺血性卒中（脑梗死）（Ischemic Stroke）、脑动脉盗血综合征（Steal Syndrome）<sup>[1]</sup>。缺血性脑血管病是严重危害国民健康的重大慢性疾病<sup>[2]</sup>，2019年全球疾病负担研究（global burden of disease study, GBD）数据显示，我国缺血性卒中（脑梗死）发病率呈现逐年上升趋势，高达145/10万，所致伤残调整寿命年约1148/10万，远高于发达国家同期水平，是我国成人致死、致残的首位病因，对国民的健康和生命造成严重危害，成为我国严重的公共卫生问题。

疏血通注射液由牡丹江友搏药业有限责任公司生产，1998年获批试生产，2001年正式生产，国药准字Z20010100，是自主研发并具有知识产权的原国家中药二类新药，是国家推行中药现代化以来批准的首个动物类中药复方注射剂，填补了国家动物类中药复方注射剂空白。疏血通注射液为纯动物类中药注射剂，仅水蛭、地龙两味药材，目前用于瘀血阻络所致的缺血性中风病中经络急性期。

临床医师合理、安全使用中成药，是影响用药安全和临床预后的关键因素，临床规范使用中成药的重要性逐渐引起了国内外的广泛关注，相关领域的学者、学术团体和政府管理部门也对该问题日益重视。2017年，中华中医药学会委托内科分会组织相关专家，在专家共识的基础上，结合已有的循证证据，起草了《疏血通注射液治疗缺血性脑血管病临床应用专家共识》（第一版），发表于2018年1月《中医杂志》。第一版共识围绕疏血通注射液治疗缺血性脑血管病的适应证、中医证候、禁忌症、干预时点、用药剂量与疗程、合并用药、药物不良反应等临床问题，形成了15条共识建议。

目前在疏血通注射液的临床应用中，发现第一版共识内容亟需细化和优化，包括药品说明书特点优势和应用要点不明确、可操作性待提高；缺乏在系统梳理文献的基础上形成基于证据的推荐意见；缺乏能指导临床医师规范、安全合理应用疏血通注射液的标准化文件。因此，本共识通过系统梳理、补充更新疏血通注射液的文献证据，进行评价，并通过多次专家访谈、问卷调查和会议讨论，充分结合专家经验与共识建议，基于疏血通注射液自身特点和临床应用实

际情况，制定了一份科学依据充分、专家高度认可、临床医师可操作的中成药临床应用专家共识，用于指导临床医师合理、安全、规范用药。

# 疏血通注射液治疗缺血性脑血管病临床应用专家共识

## 1 共识推荐意见/共识建议概要表

本共识达成 8 条共识推荐意见和 24 条共识建议，具体见表 1 和表 2；

表 1 本共识达成的共识推荐意见概要表

| 共识条目                                                                                                           | 证据等级            | 投票结果                   | 推荐方向和强度 |
|----------------------------------------------------------------------------------------------------------------|-----------------|------------------------|---------|
| 1. 脑梗死急性期患者，在常规治疗基础上联用疏血通注射液，可改善神经功能。                                                                          | ⊕⊕○○<br>(C 级证据) | 强推荐 22/35              | 强推荐     |
| 2. 脑梗死急性期患者，在常规治疗基础上联用疏血通注射液，可提高日常生活活动能力。                                                                      | ⊕⊕○○<br>(C 级证据) | 强推荐 19/35              | 强推荐     |
| 3. 脑梗死急性期表现为进展性卒中的患者，在常规治疗基础上联用疏血通注射液，可改善神经功能。                                                                 | ⊕⊕○○<br>(C 级证据) | 强推荐 19/35              | 强推荐     |
| 4. 脑梗死急性期表现为进展性卒中的患者，在常规治疗基础上联用疏血通注射液，可提高日常生活活动能力。                                                             | ⊕⊕⊕○<br>(B 级证据) | 强推荐 22/35              | 强推荐     |
| 5. 短暂性脑缺血发作的患者，在常规治疗基础上可以联用疏血通注射液。但需要进一步研究提供降低卒中风险的高级别证据。                                                      | ⊕⊕○○<br>(C 级证据) | 强推荐 20/35              | 强推荐     |
| 6. 脑梗死急性期患者，根据临床病情需要，疏血通注射液可与抗凝药物（华法林、低分子肝素、新型抗凝药等）联合使用，但应提前对患者的出血风险进行评估，监测凝血功能。目前应用疏血通注射液合并低分子肝素尚未见增加出血风险的报道。 | ⊕○○○<br>(D 级证据) | 强推荐 15/35<br>弱推荐 17/35 | 弱推荐     |

|                                                                                                                      |                         |                                |            |
|----------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------|------------|
| <p>7. 脑梗死急性期患者，根据临床病情需要，疏血通注射液可与抗凝药物（华法林、低分子肝素、新型抗凝药等）联合使用，但应提前对患者的出血风险进行评估，监测凝血功能。目前应用疏血通注射液合并阿加曲班尚未见增加出血风险的报道。</p> | <p>⊕○○○<br/>(D 级证据)</p> | <p>强推荐 11/35<br/>弱推荐 19/35</p> | <p>弱推荐</p> |
| <p>8. 脑梗死急性期患者，根据病情需要，疏血通注射液可以与降纤药物联合使用，不增加出血风险。</p>                                                                 | <p>⊕○○○<br/>(D 级证据)</p> | <p>强推荐 12/35<br/>弱推荐 17/35</p> | <p>弱推荐</p> |

表 2 本共识达成的共识建议概要表

|     | 共识条目（投票单顺序）                                                                                                                 | 投票结果  | 建议方向 |
|-----|-----------------------------------------------------------------------------------------------------------------------------|-------|------|
| 适应证 | 1. 脑梗死恢复期患者，如有面色晦暗，口唇色紫，舌质紫黯，或舌有瘀点、瘀斑，脉沉涩等明显血瘀证表现，可使用疏血通注射液。                                                                | 35/35 | 建议   |
|     | 2. 脑梗死恢复期患者如果出现发作性眩晕、肢体麻木、力弱等症状，或证实发生再次急性脑梗死时，可选择疏血通注射液治疗。目前尚缺乏使用疏血通注射液改善脑梗死患者认知功能的临床研究证据。                                  | 24/35 | 建议   |
|     | 3. 疏血通注射液可应用于脑梗死OCSP与TOAST各种病因分型；但针对脑梗死不同病因分型的疗效比较有待于进一步深入研究。                                                               | 35/35 | 建议   |
|     | 4. 疏血通注射液可应用于缺血性中风病（脑梗死）急性期中经络（不存在意识障碍者）与中脏腑（存在意识障碍者）的患者。                                                                   | 29/35 | 建议   |
|     | 5. 血瘀是贯穿缺血性中风病始终的基本病机，活血化瘀是缺血性中风病的有效治疗方法，疏血通注射液的主要功效是活血化瘀；根据患者证候特点，针对其他证候要素进行综合辨治可以进一步改善预后。                                 | 26/35 | 建议   |
|     | 6. 疏血通注射液可广泛应用于缺血性中风病，在血瘀证基础上兼有其他证候要素特点如内风、内火、痰湿、气虚、阴虚等，亦可应用疏血通注射液联合其他功效的中成药或中药汤剂辨证治疗。目前尚缺乏针对缺血性中风病患者不同证候要素应用疏血通注射液的证效关系研究。 | 25/35 | 建议   |
|     | 7. 急性脑梗死病因分型为心源性栓塞性的患者，在常规治疗基础上联用疏血通注射液10天，具有降低患者在发病3个月内复发风险的趋势。                                                            | 24/35 | 建议   |



|      |                                                                                       |       |    |
|------|---------------------------------------------------------------------------------------|-------|----|
|      | 8. 脑梗死急性期患者，在常规治疗的基础上联用疏血通注射液是否可以有效降低发病3个月内再发脑梗死事件，有待进一步研究证实。                         | 23/35 | 建议 |
| 用药疗程 | 9. 疏血通注射液临床用药疗程建议为7-14天，可根据病情适当缩短或延长使用疗程，目前尚缺乏在同一环境中不同疗程对疗效影响的临床研究。                   | 35/35 | 建议 |
|      | 10. 疏血通注射液可以在脑梗死急性期发病24h内开始使用，可改善神经功能缺损症状，发病6小时内应用疗效更为显著。                             | 28/35 | 建议 |
| 合并用药 | 11. 脑梗死急性期患者，静脉溶栓后24小时内根据临床病情需要可以应用疏血通注射液，具体应用时机应当根据是否存在神经功能恶化及出血风险综合评估。              | 25/35 | 建议 |
|      | 12. 脑梗死急性期患者，静脉溶栓后在常规治疗基础上加用疏血通注射液，未见增加出血风险的报道。                                       | 25/35 | 建议 |
|      | 13. 脑梗死急性期患者，根据临床病情需要，疏血通注射液可以与抗血小板聚集药物（单抗或双抗）联合使用，尚未发现增加出血风险的报道，使用过程中要注意观察和监测。       | 27/35 | 建议 |
|      | 14. 脑梗死患者，应用疏血通注射液，可根据病情、证候、药物功能主治及现代药理学特点，必要时可联合其他活血化瘀类中成药；一般不建议合并使用具有相同功效的活血化瘀类注射液。 | 35/35 | 建议 |
|      | 15. 目前尚未发现与其他活血化瘀类注射液合并应用增加出血风险的报道，如依据病情确需合并应用，用药过程中需注意观察和监测。                         | 35/35 | 建议 |

|      |                                                                                                                                                         |       |    |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----|
| 特殊人群 | 16. 脑梗死急性期合并应激性溃疡患者，如伴活动性出血或穿孔，可参考《应激性溃疡防治专家建议2018》积极治疗，一般不建议应用疏血通注射液；如仅表现为急性胃粘膜病变、胃液或粪便潜血阳性，血红蛋白浓度无进行性下降，可使用疏血通注射液，同时加强临床观察与监测。目前尚无疏血通注射液增加应激性溃疡出血的报道。 | 20/35 | 建议 |
|      | 17. 脑梗死合并血小板减少的患者，应当明确血小板减少的病因，积极治疗原发病，是否可以应用疏血通注射液尚缺乏相关研究，如血小板计数 $<50 \times 10^9/L$ 或有出血倾向者，不建议使用疏血通注射液。                                              | 19/35 | 建议 |
|      | 18. 脑梗死合并肝肾功能异常者，如果肝功能不超过正常值上限3倍，肾功能不超过正常值上限1.5倍，可以按照常规剂量给药，注意观察和监测肝肾功能；如果合并严重肝肾功能异常，应在严密监测下谨慎使用或避免使用。                                                  | 21/35 | 建议 |
|      | 19. 脑梗死急性期合并出血转化的患者，应当参照《中国急性脑梗死后出血转化诊治共识2019》推荐意见进行处理。                                                                                                 | 22/35 | 建议 |
|      | 20. 对于正在使用疏血通注射液合并症状性出血转化的患者建议暂时停用，注意监测及评估；对于合并无症状出血转化者，是否需要停用有待进一步研究；对尚未使用疏血通注射液的患者，如需使用应当根据出血转化的类型及再出血风险综合考虑。                                         | 34/35 | 建议 |
|      | 21. 脑梗死急性期患者，如影像学发现微出血，应用疏血通注射液需根据影像学微出血灶的数目、位置及是否有出血倾向综合考虑；如微出血灶数目 $\geq 5$ 个，或微出血灶广泛分布于脑叶及皮层，应谨慎使用疏血通注射液。                                             | 34/35 | 建议 |

|     |                                                                                                      |       |    |
|-----|------------------------------------------------------------------------------------------------------|-------|----|
| 安全性 | 22. 基于国家药品不良反应监测系统及大规模医院集中监测研究显示疏血通注射液常见不良反应均在说明书不良反应范围之内，但临床应用中要注意观察目前尚未发现的不良反应。                    | 26/35 | 建议 |
|     | 23. 疏血通注射液使用过程中应当加强观察监测，如出现说明书报道的轻微不良反应，应当停药，更换输液器，加强观察监测；若出现严重不良反应，应当立即停药，更换输液器，并给予相应的抗过敏治疗及相关抢救措施。 | 33/35 | 建议 |
|     | 24. 应详细询问患者药物过敏史及家族过敏史，对本品主要成分（水蛭、地龙）过敏者不建议使用；过敏体质者谨慎使用；出现轻度过敏反应应当立即停药并严密观察，出现严重过敏反应除停药外，应积极给予抗过敏治疗。 | 30/35 | 建议 |

## 2 范围

本共识适用于包括中医、西医和中西医结合专业各级医疗机构的神经科（脑病科）、内科、中医科、急诊科等相关科室临床医师，用于指导临床医师合理、安全、规范地使用疏血通注射液，具有重要的意义。

## 3 药物基本信息

疏血通注射液为中药复方注射剂，性状为黄色的澄明溶液；主要由水蛭、地龙两味药组成，具有活血化瘀、通经活络的功效，主治瘀血阻络所致的缺血性中风病中经络急性期，症见半身不遂、口舌歪斜、言语謇涩，急性期脑梗塞见上述证候者。规格为每支2ml。使用方法为静脉滴注，每日6ml或遵医嘱，加于5%葡萄糖注射液（或0.9%氯化钠注射液）250～500ml中，缓缓滴入。本药物为国家医保乙类产品，是自主研发并具有知识产权的原国家中药二类新药，且为国家推行中药现代化以来批准的首个动物类中药复方注射剂。

## 4 临床问题清单

本共识共回答了22个临床问题，具体见表3：

表 3 临床问题清单

| 序号 | 临床问题                                                     |
|----|----------------------------------------------------------|
| 1  | 疏血通注射液对脑梗死急性期患者神经功能缺损症状和日常生活能力的改善作用如何？                   |
| 2  | 疏血通注射液对脑梗死恢复期患者神经功能缺损症状、认知功能、生活质量的改善作用如何？                |
| 3  | 疏血通注射液治疗不同病因分型（TOAST或OCSP分型）的脑梗死患者，哪一类型效果更好？             |
| 4  | 缺血性中风病（脑梗死）急性期患者，中经络（不存在意识障碍者）与中脏腑（存在意识障碍者）是否均可应用疏血通注射液？ |
| 5  | 疏血通注射液在辨证治疗缺血性中风病时，适用于具有哪类中医证候特点的患者？对血瘀证的改善程度是否优于其他证候要素？ |
| 6  | 脑梗死急性期患者，在常规治疗的基础上加用疏血通注射液是否能够减少复发？                      |
| 7  | 短暂性脑缺血发作的患者，应用疏血通注射液是否能够降低卒中风险？                          |
| 8  | 脑梗死患者，疏血通注射液在临床应用中，使用不同疗程是否存在疗效差异？                       |
| 9  | 脑梗死急性期患者，发病24小时内使用疏血通注射液是否能够更好地改善神经功能缺损症状？               |
| 10 | 脑梗死急性期患者，静脉溶栓后24小时内是否可以加用疏血通注射液？是否增加出血风险？                |
| 11 | 脑梗死急性期患者，应用疏血通注射液合并抗血小板聚集药物（单抗或双抗时），是否增加出血风险？            |
| 12 | 脑梗死急性期患者，应用疏血通注射液合并抗凝药物（华法林、低分子肝素、新型抗凝药等），是否增加出血风险？      |
| 13 | 脑梗死急性期患者，应用疏血通注射液合并降纤药物，是否增加出血风险？                        |
| 14 | 脑梗死患者，应用疏血通注射液合并其他具有活血化瘀作用的中成药，是否增加出血风险？                 |

|    |                                                  |
|----|--------------------------------------------------|
| 15 | 脑梗死急性期合并应激性溃疡的患者，是否可以应用疏血通注射液？                   |
| 16 | 脑梗死合并血小板减少的患者，是否可以应用疏血通注射液？                      |
| 17 | 脑梗死合并肝肾功异常的患者，是否可以应用疏血通注射液？                      |
| 18 | 脑梗死急性期合并出血转化的患者，应用疏血通注射液是否增加出血风险？                |
| 19 | 脑梗死急性期患者，如影像学发现微出血，是否可以应用疏血通注射液？                 |
| 20 | 临床应用疏血通注射液是否存在说明书以外的不良反应？                        |
| 21 | 应用疏血通注射液过程中，若出现不良反应，应如何处理？是否需要调整用量、疗程，并监测患者理化指标？ |
| 22 | 过敏体质人群是否可以应用疏血通注射液？用药期间若出现过敏反应如何处理？              |

## 5 疾病诊断

缺血性脑血管病，中医病名为中风病（参考GB/T 15657-1995中医病证分类与代码，编码BNG080），临床表现可见神识昏蒙、半身不遂、口舌歪斜、言语謇涩或不语、偏身麻木；或出现头痛、眩晕、瞳神变化、饮水发呛、目偏不瞬、共济失调等。其辨证首先分为中经络和中脏腑，其中中经络辨证包括风火上扰、风痰阻络、痰热腑实、阴虚风动、气虚血瘀，中脏腑辨证包括痰热内闭、痰蒙清窍、元气散脱。

缺血性脑血管病主要包括缺血性脑卒中（脑梗死）和短暂性脑缺血发作。缺血性脑卒中（脑梗死），参照《中国各类主要脑血管病诊断要点2019》<sup>[1]</sup>中的诊断要点：（1）急性发病的局灶性神经功能缺失，少数可为全面性神经功能缺失；（2）头颅CT/MRI证实脑部相应梗死灶，或症状体征持续24h以上，或在24h内导致死亡；（3）排除非缺血性病因。短暂性脑缺血发作，参照《中国各类主要脑血管病诊断要点2019》<sup>[1]</sup>中的诊断要点：（1）突发局灶性脑或视网膜功能障碍，符合颈动脉或椎-基底动脉系统缺血表现，一般在24h内（多数不超过1h）完全恢复，可反复发作；（2）头颅MRI弥散加权成像（DWI）未发现相应急性脑梗死证据，为影像学确诊的短暂性脑缺血发作；无条件行DWI检查时，头颅CT/MRI常规序列未发现相应梗死灶，可作为临床诊断依据；无法得到影像学责任病灶证据时，仍以症状/体征持续时间不超过24h为时间界限标准；（3）排除非缺血性病因。

## 6 临床应用建议

### 6.1 适应证

（1）脑梗死急性期患者，在常规治疗基础上联用疏血通注射液，可改善神经功能（C级证据，强推荐），提高日常生活活动能力（C级证据，强推荐）；

（2）脑梗死急性表现为进展性卒中的患者，在常规治疗基础上联用疏血通注射液，可改善神经功能（C级证据，强推荐），提高日常生活活动能力（B级证据，强推荐）；

（3）脑梗死恢复期患者，如有面色晦暗，口唇色紫，舌质紫黯，或舌有瘀点、瘀斑，脉沉涩等明显血瘀证表现，可使用疏血通注射液（共识建议）；

（4）脑梗死恢复期患者如果出现发作性眩晕、肢体麻木、力弱等症状，或证实发生再次急性脑梗死时，可选择疏血通注射液治疗（共识建议）；

（5）目前尚缺乏使用疏血通注射液改善脑梗死患者认知功能的临床研究证据（共识建议）；

（6）疏血通注射液可应用于脑梗死OCSP与TOAST各种病因分型；但针对脑梗死不同病因分型的疗效比较有待于进一步深入研究（共识建议）；

（7）疏血通注射液可应用于缺血性中风病（脑梗死）急性期中经络（不存在意识障碍者）与中脏腑（存在意识障碍者）的患者（共识建议）；

（8）血瘀是贯穿缺血性中风病始终的基本病机，活血化瘀是缺血性中风病的有效治疗方法，疏血通注射液的主要功效是活血化瘀；根据患者证候特点，针对其他证候要素进行综合辨证可以进一步改善预后（共识建议）；

（9）疏血通注射液可广泛应用于缺血性中风病，在血瘀证基础上兼有其他证候要素特点如内风、内火、痰湿、气虚、阴虚等，亦可应用疏血通注射液联合其他功效的中成药或中药汤剂辨证治疗。目前尚缺乏针对缺血性中风病患者不同证候要素应用疏血通注射液的证效关系研究（共识建议）；

（10）急性脑梗死病因分型为心源性栓塞的患者，在常规治疗基础上联用疏血通注射液10天，具有降低患者在发病3个月内复发风险的趋势（共识建议）；

（11）脑梗死急性期患者，在常规治疗的基础上联用疏血通注射液是否可以有效降低发病3个月内再发脑梗死事件，有待进一步研究证实（共识建议）；

（12）短暂性脑缺血发作的患者，在常规治疗基础上可以联用疏血通注射液。但需要进一步研究提供降低卒中风险的高级别证据。（C级证据，强推荐）；

## 6.2 用药疗程

（1）疏血通注射液临床用药疗程建议为7-14天，可根据病情适当缩短或延长使用疗程，目前尚缺乏在同一环境中不同疗程对疗效影响的临床研究（共识建议）；

（2）疏血通注射液可以在脑梗死急性期发病24h内开始使用，可改善神经功能缺损症状，发病6小时内应用疗效更为显著（共识建议）。

## 6.3 合并用药

（1）脑梗死急性期患者，静脉溶栓后24小时内根据临床病情需要可以应用疏血通注射液，具体应用时机应当根据是否存在神经功能恶化及出血风险综合评估（共识建议）；

（2）脑梗死急性期患者，静脉溶栓后在常规治疗基础上加用疏血通注射液，未见增加出血风险（共识建议）；

（3）脑梗死急性期患者，根据临床病情需要，疏血通注射液可以与抗血小板聚集药物（单抗或双抗）联合使用，尚未发现增加出血风险的报道，使用过程中要注意观察和监测（共识建议）；

（4）脑梗死急性期患者，根据临床病情需要，疏血通注射液可与抗凝药物（华法林、低分子肝素、新型抗凝药等）联合使用，但应提前对患者的出血风险进行评估，监测凝血功能。目前应用疏血通注射液合并低分子肝素或阿加曲班尚未见增加出血风险的报道（D级证据，弱推荐）；

（5）脑梗死急性期患者，根据病情需要，疏血通注射液可以与降纤药物联合使用，不增加出血风险（D级证据，弱推荐）；

（6）脑梗死患者，应用疏血通注射液，可根据病情、证候、药物功能主治及现代药理学特点，必要时可联合其他活血化瘀类中成药；一般不建议合并使用具有相同功效的活血化瘀类注射液（共识建议）；

（7）目前尚未发现与其他活血化瘀类注射液合并应用增加出血风险的报道，如依据病情确需合并应用，用药过程中需注意观察和监测（共识建议）。

## 6.4 特殊人群

（1）脑梗死急性期合并应激性溃疡患者，如伴活动性出血或穿孔，可参考《应激性溃疡防治专家建议（2018版）》积极治疗，一般不建议应用疏血通注射液；如表现为急性

胃粘膜病变、胃液或粪便潜血阳性，在使用疏血通注射液时，应加强临床观察与监测。目前尚无疏血通注射液增加应激性溃疡出血的报道（共识建议）；

（2）脑梗死合并血小板减少的患者，应当明确血小板减少的病因，积极治疗原发病，是否可以应用疏血通注射液尚缺乏相关研究，如血小板计数 $<50 \times 10^9/L$ 或有出血倾向者，不建议使用疏血通注射液（共识建议）；

（3）脑梗死合并肝肾功能异常者，如果肝功能不超过正常值上限3倍，肾功能不超过正常值上限1.5倍，可以按照常规剂量给药，注意观察和监测肝肾功能；如果合并严重肝肾功能异常，应在严密监测下谨慎使用或避免使用（共识建议）；

（4）脑梗死急性期合并出血转化的患者，应当参照《中国急性脑梗死后出血转化诊治共识2019》推荐意见进行处理（共识建议）；

（5）对于正在使用疏血通注射液合并症状性出血转化的患者建议暂时停用，注意监测及评估；对于合并无症状出血转化者，是否需要停用有待进一步研究；对尚未使用疏血通注射液的患者，如需使用应当根据出血转化的类型及再出血风险综合考虑（共识建议）；

（6）脑梗死急性期患者，如影像学发现微出血，应用疏血通注射液需根据影像学微出血灶的数目、位置及是否有出血倾向综合考虑；如微出血灶数目 $\geq 5$ 个，或微出血灶广泛分布于脑叶及皮层，应谨慎使用疏血通注射液（共识建议）。

## 7 安全性

（1）基于国家药品不良反应监测系统及大规模医院集中监测研究显示疏血通注射液常见不良反应均在说明书不良反应范围之内，但临床应用中要注意观察目前尚未发现的不良反应（共识建议）；

（2）疏血通注射液使用过程中应当加强观察监测，如出现说明书报道的轻微不良反应，应当停药，更换输液器，加强观察监测；若出现严重不良反应，应当立即停药，更换输液器，并给予相应的抗过敏治疗及相关抢救措施（共识建议）；

（3）应详细询问患者药物过敏史及家族过敏史，对本品主要成分（水蛭、地龙）过敏者不建议使用；过敏体质者谨慎使用；出现轻度过敏反应应当立即停药并严密观察，出现严重过敏反应除停药外，应积极给予抗过敏治疗（共识建议）；

注：疏血通注射液可加于5%葡萄糖注射液（或0.9%氯化钠注射液）250ml-500ml中，缓慢静脉滴入。本品应单独使用，禁忌与其它药品混合配伍使用。谨慎联合用药，如确需联



合使用其它药品时，应谨慎考虑间隔时间及药物相互作用等问题。必要时可考虑在用药前后以适量0.9%氯化钠注射液对输液管道进行冲洗，避免药物相互作用。药品稀释后应即配即用，避免长时间放置。使用前应认真检查，如药液出现浑浊、沉淀、变色、有异物或内包装有损坏现象，应禁止使用。疏血通注射液说明书明确报告孕妇禁用；哺乳期妇女和儿童用药推荐无文献证据支持。

参考疏血通注射液说明书，该药物上市应用后报告的过敏反应包括：全身皮肤潮红、皮疹、瘙痒、荨麻疹、喉头水肿、呼吸困难、憋气、心悸、紫绀、血压下降、过敏性休克等，临床应用时注意观察监测。

## **8 利益冲突说明**

### **8.1 资助情况**

本共识由中华中医药学会立项，牡丹江友搏药业股份有限公司资助。

### **8.2 利益相关情况**

共收集到52份利益声明表，其中专家组成员共35份，企业人员6份，工作组人员11份。在共识制定过程中，所有相关参与者与企业的资助无利益冲突，企业不参与共识研制中的决策工作，如临床问题确定、形成共识建议和推荐意见等工作。

## 附录A（资料性附录）

### 疏血通注射液的研究资料

#### A.1 中医理论基础

脑血管病属中医学“中风病”范畴，其病位在脑髓血脉，病性属本虚标实，急性期以风、火、痰、瘀等标实证候为主<sup>[3,4]</sup>。对缺血性中风病证候要素及演变规律的研究发现，风、火、痰、瘀、气虚、阴虚是常见证候要素，血瘀证是缺血性中风病的核心病机，贯穿疾病始终<sup>[5-8]</sup>。采用《缺血性中风证候要素诊断量表》，对证候演变与临床结局的关系进行分析，发现血瘀证是影响缺血性中风病预后的独立危险因素，临床上积极采取活血化瘀治疗有助于改善预后<sup>[9]</sup>。因此，临床治疗缺血性中风病时应注重针对核心病机血瘀，积极采用活血化瘀治疗。

疏血通注射液以水蛭和地龙为主要原料。水蛭味咸苦，性平，擅破血、逐瘀、通经，《神农本草经》记载其“主逐恶血、瘀血、月闭，破血瘕积聚，无子，利水道”，《中华人民共和国药典》载其“用于血瘀闭经，癥瘕痞块，中风偏瘫，跌扑损伤”<sup>[10]</sup>。地龙味咸，性寒，擅通经活络、熄风通脉，《中华本草》载其主治“中风偏瘫”<sup>[11]</sup>。两药配伍，共奏活血化瘀、熄风通络之功，对缺血性中风病的核心病机血瘀具有独特的治疗作用。

#### A.2 药学研究

##### A.2.1 物质基础

通过运用现代分析手段对疏血通注射液的物质基础进行深入研究，明确了疏血通注射液主要化学成分为寡（小）肽类、游离单糖及寡糖类、氨基酸类、无机盐类及其他内源性小分子类（主要为肌苷、尿苷二磷酸葡萄糖、胆碱、琥珀酸、次黄嘌呤等），已经明确结构的成分占总固体的95%以上。采用水蛭、地龙样本建立转录组数据库，将疏血通注射液进行LC-MS分析，对采集的数据进行数据库匹配，找到相应的肽段序列，通过部分标品比对方式，鉴定分析结果的准确性，从疏血通注射液中共鉴定645个小肽。通过对疏血通注射液抗凝、促纤溶及抗血小板聚集作用的成分筛选和初步药效研究，发现肽类、内源性小分子类成分具有明显的抗凝、抑制血小板聚集及促纤溶作用。

##### A.2.2 质量控制

根据注射剂质量控制的技术要求，建立了制剂、中间体及药材质量标准，以保障疏血通注射液的质量均一、稳定。制剂的主要质控指标包括高分子量物质、指纹图谱、总固体、总氨基酸与多肽氨基酸、总糖与多糖、次黄嘌呤等共计20余项质控项目，可全面、灵敏地反映药品质量的变化情况；通过对91个批次疏血通注射液的NMR氢谱指纹图谱分析，分别采用相关系数及夹

角余旋方法计算相似度，结果显示：所有样品相似度均在0.90以上，表明疏血通注射液的批次间质量均一、稳定。为保障药材基原及质量可控，建立了水蛭和地龙药材的DNA条形码鉴定方法；此外，开发了特异性PCR法与LAMP法面向田间地头的基原快速鉴定技术，可用于药材源头的质控。通过上述质量标准提升及上市后药品多年多批次的质量评价，验证了疏血通注射液质量均一、稳定、可控，从而有效的保证了疏血通注射液的安全性和有效性。

### **A. 3 药理研究**

#### **A. 3.1 概述**

疏血通注射液对缺血性脑卒中（脑梗死）的不同阶段均有干预作用，综合改善由于缺血/缺氧导致的组织损伤，及继发引起的神经功能的改变。结合目前的药理研究，认为疏血通注射液主要作用机理包括以下几个方面。

#### **A. 3.2 抗凝，抗血小板聚集和促纤溶**

基础与临床药理学研究结果表明：疏血通注射液单用或与阿司匹林合用对MCAO动物模型以及脑梗死患者均可明显改善症状，同时可延长部分凝血活酶时间（APTT）、凝血酶原时间（PT）、凝血时间（TT），表现一定抗凝作用；疏血通注射液能抑制二磷酸腺苷（ADP）、瑞斯托霉素、胶原、凝血酶等诱导的血小板聚集，抑制血小板的活化，具有抗血栓形成作用，作用环节与降低TXB<sub>2</sub>（血液血栓烷 B<sub>2</sub>）、CD61（血小板粘附分子）、CD62p（P-选择素），升高6-keto-PGF<sub>1</sub> α（6-酮-前列腺素1 α）水平有关；同时还增加纤维蛋白原、D-二聚体、t-PA含量和活性，降低优球蛋白溶解时间和PAI-1含量和活性，具有促进纤维蛋白溶解作用<sup>[12-19]</sup>。

#### **A. 3.3 抑制炎症反应**

根据疏血通注射液单用或与阿司匹林合用对MCAO的影响的研究报告结果，疏血通注射液可改善脑梗死周围带和核心区粘结合蛋白多糖-1（syndecan-1）和单核细胞-巨噬细胞克隆刺激因子（GM-CSF）的异常表达<sup>[20, 21]</sup>，抑制促炎因子TNF-α、IL-1β、IL-6、TNF-α、CD11a、KYN、MCP-1、ICAM-1、MMP-9、CRP水平，增加抗炎因子IL-4和IL-10含量<sup>[12, 22]</sup>，减少缺血组织炎症细胞浸润<sup>[23]</sup>，减轻炎症反应，改善缺血组织炎症损伤。

#### **A. 3.4 抗氧化应激**

疏血通注射液对局灶性脑缺血动物模型，可增强SOD等氧自由基转化酶的活性，抑制参与ROS合成酶体系NOS及iNOS的含量及活性，降低氧化应激产物MDA、4-HNE、8-OHdG、protein carbonyl水平，提高机体对抗氧化应激、清除自由基的能力，保护缺氧组织/细胞减轻氧化应激损伤<sup>[12, 24, 25]</sup>。

### A. 3.5 抗凋亡

根据疏血通注射液物质基础及作用机制研究报告、疏血通注射液抗大鼠脑缺血机制研究等结果，疏血通注射液可抑制脑缺血模型动物缺血边缘区细胞凋亡<sup>[26, 27]</sup>，调控细胞生长、生存和凋亡相关的PI3K-AKT、MAPK和HIF-1信号通路<sup>[22, 24, 28]</sup>抑制凋亡相关蛋白bax、caspase-3的表达，促进抗凋亡蛋白bcl-2的表达<sup>[12, 24, 26, 29]</sup>，调节细胞周期，减轻受损细胞G2/M期阻滞<sup>[28]</sup>；发挥对缺血损伤的神经细胞、星形胶质细胞及脑微血管内皮细胞等多种细胞的保护作用。

### A. 3.6 促血管新生和侧支循环构建

在脑缺血动物模型上，疏血通注射液可上调与血管生成及内皮细胞迁移有关的信号通路中AKT、VEGF蛋白表达，增强血管内皮细胞增殖能力，促进新生血管网的形成及侧支循环的开放，改善脑梗死区域血液循环，从而减小脑梗死体积，加速缺血组织功能恢复<sup>[30-32]</sup>；在小鼠下肢缺血模型上，疏血通注射液可以显著促进缺血损伤组织修复，促进血管新生，增加缺血损伤组织毛细血管密度，从而增加下肢缺血小鼠的血流灌注量，作用机制与增加VEGF、angiopoietin-1（血管生成素1）等蛋白的表达<sup>[23]</sup>有关。

### A. 3.7 保护血脑屏障完整性

根据疏血通注射液物质基础及作用机制研究结果，疏血通注射液可升高单层脑微血管内皮细胞bEnd.3（BBB体外模型）OGD/R损伤后跨膜电阻值，降低细胞FITC-Dextran透过性，抑制VEGF蛋白异常表达对血脑屏障的破坏，并上调紧密连接蛋白Claudin5（闭合蛋白）、Occludin（咬合蛋白）、ZO-1（闭锁小带蛋白）翻译和表达，促进内皮细胞紧密连接，保护BBB结构和功能的完整性<sup>[24]</sup>。

### A. 3.8 改善能量代谢和氨基酸代谢

根据疏血通注射液抗大鼠脑缺血机理研究结果，疏血通注射液可调节脑缺血模型大鼠海马和皮层能量代谢相关蛋白的失衡；调控ABC转运蛋白通路（ABC transporters）和柠檬酸循环。抑制损伤大脑皮层释放谷氨酰胺，促进海马组织谷氨酸转化和吸收，调节谷氨酰胺和谷氨酸代谢<sup>[33]</sup>；另外还可升高缺血再灌海马组织GABA表达<sup>[34]</sup>，从而抑制脑细胞兴奋性氨基酸毒性损伤，改善脑神经功能障碍。

## A. 4 非临床安全性研究

### A. 4.1 概述

在北京协和建昊医药技术开发有限公司（中国医学科学院北京协和医院新药安全评价研究中心）和北京昭衍新药研究中心股份有限公司（大鼠被动皮肤过敏反应试验），GLP实验条件下

，完成了疏血通注射液的安全药理学、急性毒性、长期毒性、制剂安全性（刺激性、溶血及过敏试验）、遗传毒性、I/II段生殖毒性研究，各项研究报告结果如下。

#### **A. 4. 2 安全药理学试验**

小鼠自主活动与协调运动行为学检测结果表明，单次静脉注射给予疏血通冻干粉（生理盐水溶解）剂量为13g生药/kg（临床使用剂量260倍）及以下剂量，对小鼠自主活动和运动协调能力无明显影响；Beagle犬单次静脉注射疏血通冻干粉（生理盐水溶解）剂量为2.0g生药/kg（临床使用剂量40倍）及以下剂量，对犬心血管系统和呼吸系统无明显影响。

#### **A. 4. 3 急性毒性试验**

小鼠单次静脉注射给予疏血通冻干粉（生理盐水溶解），最大耐受剂量为62.5g生药/kg（临床使用剂量的1250倍）；Beagle犬静脉单次滴注疏血通冻干粉（生理盐水溶解）最大给药剂量为25.53g生药/kg（临床等效剂量的292倍，临床人用剂量的511倍），主要毒性反应为一过性的呼吸急促、肌颤、呕吐。

#### **A. 4. 4 长期毒性试验**

SD大鼠静脉注射疏血通冻干粉（生理盐水溶解）90天反复给药毒性试验结果表明，2.0g生药/kg（临床使用剂量的40倍）以下剂量时动物未见明显异常；6.0g生药/kg剂量（临床使用剂量的120倍）时对血管有一定刺激作用。而Beagle犬静脉滴注疏血通冻干粉（生理盐水溶解）90天连续给药毒性试验显示，各给药组（0.2g生药/kg、1.0g生药/kg和5.0g生药/kg）动物各脏器病理组织学检查均未见明显药物毒性相关改变。5.0g生药/kg动物给药过程中可见急躁，喜饮等，可观察到一过性的RBC和HGB降低，可自行恢复，长期反复给药对动物血管有一定的刺激性，判定无毒作用剂量（NOAEL）为1.0g生药/kg，为临床使用剂量的20倍。

#### **A. 4. 5 制剂安全性试验**

疏血通注射液等于或3倍于临床使用浓度给药时，对兔静脉注射局部血管和肌肉注射局部肌肉组织无刺激作用；豚鼠全身主动过敏试验、SD大鼠被动皮肤过敏试验，结果均为阴性；等于或三倍于临床用药浓度时，未发生溶血反应。

#### **A. 4. 6 遗传毒性试验**

疏血通注射液细菌回复突变试验、小鼠微核试验、染色体畸变试验，结果均为阴性。

#### **A. 4. 7 生殖毒性试验**

SD大鼠静脉注射疏血通注射液生育力与早期胚胎发育毒性试验和胚胎-胎仔发育毒性试验结果显示，疏血通注射液对SD大鼠生育力与早期胚胎发育（生殖I段）和胚胎-胎仔发育（生殖II）毒性试验NOAEL均为5.0g生药/kg（均为试验高剂量组剂量，临床成人用剂量100倍）。

## 附录 B（资料性附录）

### 疏血通注射液临床研究资料

#### B.1 药物疗效特点

##### B.1.1 适应证

##### B.1.1.1 脑梗死急性期

24项随机对照研究在脑梗死急性期常规治疗基础上加用疏血通注射液，共涉及2464例患者，结果提示加用疏血通注射液可以改善神经功能（MD=-3.80，95%CI[-3.96，-3.63]， $P<0.00001$ ）。①18项随机对照研究在脑梗死急性期常规治疗基础上加用疏血通注射液，共涉及1723例患者，结果提示加用疏血通注射液可以改善神经功能（MD=-3.59，95%CI[-3.77，-3.41]， $P<0.00001$ ）；②6项随机对照研究在脑梗死急性期常规治疗基础上加用疏血通注射液，共涉及741例患者，结果提示加用疏血通注射液可以改善神经功能（MD=-5.05，95%CI [-5.50，-4.61]， $P<0.00001$ ）。<sup>[13][35-57]</sup>

3项随机对照研究在脑梗死急性期常规治疗基础上加用疏血通注射液，共涉及322例患者，结果提示加用疏血通注射液可以提高日常生活活动能力（MD=18.44，95%CI[17.12，19.75]， $P<0.00001$ ）。<sup>[13][38][44]</sup>

14项随机对照研究在进展性卒中常规治疗基础上加用疏血通注射液，共涉及1348例患者，结果提示加用疏血通注射液可以改善神经功能（MD=-4.91，95%CI[-5.68，-4.13]， $P<0.00001$ ）。①4项随机对照研究在进展性卒中常规治疗基础上加用疏血通注射液，共涉及306例患者，结果提示加用疏血通注射液可以改善神经功能（MD=-3.89，95%CI[-4.34，-3.43]， $P<0.00001$ ）；②10项随机对照研究在进展性卒中常规治疗基础上加用疏血通注射液，共涉及1042例患者，结果提示加用疏血通注射液可以改善神经功能（MD=-5.59，95%CI[-6.42，-4.76]， $P<0.00001$ ）。<sup>[58]</sup>

4项随机对照研究在进展性卒中常规治疗基础上加用疏血通注射液，共涉及426例患者，结果提示加用疏血通注射液可以提高日常生活活动能力（MD=12.02，95%CI[10.31，13.72]， $P<0.00001$ ）。<sup>[58]</sup>

##### B.1.1.2 脑梗死恢复期

目前尚无文献证据支撑，根据专家问卷访谈、专家共识意见会形成以下共识建议：

1）脑梗死恢复期患者，如有面色晦暗，口唇色紫，舌质紫黯，或舌有瘀点、瘀斑，脉沉涩等明显血瘀证表现，可使用疏血通注射液。

2）脑梗死恢复期患者如果出现发作性眩晕、肢体麻木、力弱等症状，或证实发生再次脑梗死时，可选择疏血通注射液治疗。

3) 目前尚缺乏使用疏血通注射液改善脑梗死患者认知功能的临床研究证据。

### **B. 1. 2 适用临床分型**

目前尚无文献证据支撑，根据专家问卷访谈、专家共识意见会形成以下共识建议：疏血通注射液可应用于脑梗死OCSP与TOAST各种病因分型；但针对脑梗死不同病因分型的疗效比较有待于进一步深入研究。

### **B. 1. 3 适用中医证候**

#### **B. 1. 3. 1 缺血性中风病急性期**

目前尚无文献证据支撑，根据专家问卷访谈、专家共识意见会形成以下共识建议：疏血通注射液可应用于缺血性中风病（脑梗死）急性期中经络（不存在意识障碍者）与中脏腑（存在意识障碍者）的患者。

#### **B. 1. 3. 2 辨证治疗**

1项随机对照研究在脑梗死急性期血瘀证常规治疗基础上加用疏血通注射液，共涉及80例患者，结果提示加用疏血通注射液可以改善神经功能（MD=-3.68，95%CI[-5.17，-2.19]， $P<0.00001$ ），提高临床疗效（RR=1.34，95%CI[1.10，1.64]， $P=0.003$ ）。<sup>[49]</sup>

### **B. 1. 4 预防**

#### **B. 1. 4. 1 脑梗死复发**

1项随机、双盲、安慰剂平行对照、多中心临床试验在预防急性栓塞性卒中复发常规治疗基础上加用疏血通注射液，共涉及2175例患者，结果提示联用疏血通注射液10天具有降低患者在发病3个月内复发风险的趋势。<sup>[59]</sup>

#### **B. 1. 4. 2 短暂性脑缺血发作**

6项随机对照研究在短暂性脑缺血发作常规治疗基础上加用疏血通注射液，共涉及538例患者，结果提示加用疏血通注射液可以降低卒中风险（RR=1.20，95%CI[1.11，1.30]， $P<0.00001$ ）。<sup>[60-65]</sup>

## **B. 2 药物使用方式**

### **B. 2. 1 用药疗程**

目前尚无文献证据支撑，根据专家问卷访谈、专家共识意见会形成以下共识建议：疏血通注射液临床用药疗程建议为7-14天，可根据病情适当缩短或延长使用疗程，目前尚缺乏在同一环境中不同疗程对疗效影响的临床研究。



### B. 2. 2 用药时点

1项随机对照研究在脑梗死常规治疗基础上加用疏血通注射液，共涉及120例患者，结果提示在发病6小时内加用疏血通注射液可以更好的改善神经功能（MD=-4.12，95%CI[-4.50，-3.74]， $P<0.00001$ ）。①1项随机对照研究在脑梗死常规治疗基础上加用疏血通注射液，共涉及120例患者，连续用药24小时，结果提示在发病6小时内加用疏血通注射液可以更好的改善神经功能（MD=-4.43，95%CI[-4.99，-3.87]， $P<0.00001$ ）；②1项随机对照研究在脑梗死常规治疗基础上加用疏血通注射液，共涉及120例患者，连续用药7天，结果提示在发病6小时内加用疏血通注射液可以更好的改善神经功能（MD=-3.65，95%CI[-4.13，-3.17]， $P<0.00001$ ）；③1项随机对照研究在脑梗死常规治疗基础上加用疏血通注射液，共涉及120例患者，连续用药14天，结果提示在发病6小时内加用疏血通注射液可以更好的改善神经功能（MD=-4.24，95%CI[-4.36，-4.12]， $P<0.00001$ ）。<sup>[66]</sup>

1项观察性研究在脑梗死常规治疗基础上加用疏血通注射液，共涉及120例患者，提示疏血通注射液联合阿司匹林、奥扎格雷对急性期不同时间段脑梗死的治疗均有效。其中4h到24h组疗效优于24h到72h（ $P<0.05$ ），且未报告不良反应；而4h内（包括4h）组虽疗效最佳，但共报道不良事件14例。<sup>[67]</sup>

## B. 3 药物联合应用

### B. 3. 1 静脉溶栓药物

2项随机对照研究在急性脑梗死静脉溶栓后在常规治疗基础上加用疏血通注射液，共涉及180例患者，结果提示加用疏血通注射液可降低全血高切黏度（MD=-0.61，95%CI[-0.74，-0.48]， $P<0.00001$ ）、降低全血低切黏度（MD=-1.84，95%CI[-2.06，-1.61]， $P<0.00001$ ）、减少纤维蛋白原（MD=-0.72，95%CI[-1.40，-0.04]， $P<0.00001$ ），不增加出血风险。<sup>[68-69]</sup>

1项随机对照研究在急性脑梗死静脉溶栓后在常规治疗基础上加用疏血通注射液，共涉及90例患者，结果提示加用疏血通注射液不增加出血风险（RR=0.75，95%CI[0.18，3.16]， $P=0.70$ ）。<sup>[70]</sup>

### B. 3. 2 抗血小板聚集药物

3项随机对照研究在脑梗死急性期常规治疗基础上加用疏血通注射液，共涉及345例患者，结果提示抗血小板聚集药物（单抗或双抗）加用疏血通注射液不增加出血风险（RR=1.33，95%CI[0.30，5.82]， $P=0.71$ ）。<sup>[48][51-52]</sup>

### B. 3. 3 抗凝药物

4项随机对照研究在脑梗死急性期常规治疗基础上加用疏血通注射液，共涉及417例患者，结果提示低分子肝素加用疏血通注射液不增加出血风险（RR=1.81，95%CI[0.89，3.67]，P=0.10）。①1项随机对照研究在脑梗死急性期常规治疗基础上加用疏血通注射液，共涉及125例患者，结果提示低分子肝素加用疏血通注射液不增加出血风险（RR=1.57，95%CI[0.55，4.55]，P=0.40）；②3项随机对照研究在脑梗死急性期常规治疗基础上加用疏血通注射液，共涉及292例患者，结果提示低分子肝素加用疏血通注射液不增加出血风险（RR=2.00，95%CI[0.77，5.18]，P=0.15）。

[71-74]

2项随机对照研究在脑梗死急性期常规治疗基础上加用疏血通注射液，共涉及148例患者，结果提示阿加曲班加用疏血通注射液不增加出血风险（RR=1.40，95%CI[0.29，6.88]，P=0.68）。①1项随机对照研究在脑梗死急性期常规治疗基础上加用疏血通注射液，共涉及60例患者，结果提示阿加曲班加用疏血通注射液不增加出血风险（RR=3.00，95%CI[0.13，70.83]，P=0.50）；②1项随机对照研究在脑梗死急性期常规治疗基础上加用疏血通注射液，共涉及88例患者，结果提示阿加曲班加用疏血通注射液不增加出血风险（RR=1.00，95%CI[0.15，6.79]，P=1.00）。

[75-76]

### B. 3.4 降纤药物

3项随机对照研究在脑梗死急性期常规治疗基础上加用疏血通注射液，共涉及232例患者，结果提示巴曲酶加用疏血通注射液不增加出血风险（RR=3.41，95%CI[0.62，18.77]，P=0.16）。

[77-79]

### B. 3.5 其他中成药

目前尚无文献证据支撑，根据专家问卷访谈、专家共识意见会形成以下共识建议：

1）脑梗死患者，应用疏血通注射液，可根据病情、证候、药物功能主治及现代药理学特点，必要时可联合其他活血化瘀类中成药；一般不建议合并使用具有相同功效的活血化瘀类注射液。

2）目前尚未发现与其他活血化瘀类注射液合并应用增加出血风险的报道，如依据病情确需合并应用，用药过程中需注意观察和监测。

## B. 4 特殊人群用药

### B. 4.1 应激性溃疡

目前尚无文献证据支撑，根据专家问卷访谈、专家共识意见会形成以下共识建议：脑梗死急性期合并应激性溃疡患者，如伴活动性出血或穿孔，可参考《应激性溃疡防治专家建议》积极治疗，一般不建议应用疏血通注射液；如仅表现为急性胃粘膜病变、胃液或粪便潜血阳性，

血红蛋白浓度无进行性下降，可使用疏血通注射液，同时加强临床观察与监测。目前尚无疏血通注射液增加应激性溃疡出血的报道。

#### **B. 4. 2 血小板减少**

目前尚无文献证据支撑，根据专家问卷访谈、专家共识意见会形成以下共识建议：脑梗死合并血小板减少的患者，应当明确血小板减少的病因，积极治疗原发病，是否可以应用疏血通注射液尚缺乏相关研究，如血小板计数 $<50 \times 10^9/L$ 或有出血倾向者，不建议使用疏血通注射液。

#### **B. 4. 3 肝肾功能异常**

目前尚无文献证据支撑，根据专家问卷访谈、专家共识意见会形成以下共识建议：脑梗死合并肝肾功能异常者，如果肝功能不超过正常值上限3倍，肾功能不超过正常值上限1.5倍，可以按照常规剂量给药，注意观察和监测肝肾功能；如果合并严重肝肾功能异常，应在严密监测下谨慎使用或避免使用。

#### **B. 4. 4 出血转化**

目前尚无文献证据支撑，根据专家问卷访谈、专家共识意见会形成以下共识建议：

1) 脑梗死急性期合并出血转化的患者，应当参照《中国急性脑梗死后出血转化诊治共识2019》推荐意见进行处理；

2) 对于正在使用疏血通注射液合并症状性出血转化的患者建议暂时停用，注意监测及评估；对于合并无症状出血转化者，是否需要停用有待进一步研究；对尚未使用疏血通注射液的患者，如需使用应当根据出血转化的类型及再出血风险综合考虑。

#### **B. 4. 5 微出血**

目前尚无文献证据支撑，根据专家问卷访谈、专家共识意见会形成以下共识建议：脑梗死急性期患者，如影像学发现微出血，应用疏血通注射液需根据影像学微出血灶的数目、位置及是否有出血倾向综合考虑；如微出血灶数目 $\geq 5$ 个，或微出血灶广泛分布于脑叶及皮层，应谨慎使用疏血通注射液。

### **B. 5 安全性**

#### **B. 5. 1 说明书以外的不良反应**

目前尚无文献证据支撑，根据专家问卷访谈、专家共识意见会形成以下共识建议：基于国家药品不良反应监测系统及大规模医院集中监测研究显示疏血通注射液常见不良反应均在说明书不良反应范围之内，但临床应用中要注意观察目前尚未发现的不良反应。

**B. 5. 2 不良反应处理**

目前尚无文献证据支撑，根据专家问卷访谈、专家共识意见会形成以下共识建议：疏血通注射液使用过程中应当加强观察监测，如出现说明书报道的轻微不良反应，应当停药，更换输液器，加强观察监测；若出现严重不良反应，应当立即停药，更换输液器，并给予相应的抗过敏治疗及相关抢救措施。

**B. 5. 3 过敏体质人群**

目前尚无文献证据支撑，根据专家问卷访谈、专家共识意见会形成以下共识建议：应详细询问患者药物过敏史及家族过敏史，对本品主要成分（水蛭、地龙）过敏者不建议使用；过敏体质者谨慎使用；出现轻度过敏反应应当立即停药并严密观察，出现严重过敏反应除停药外，应积极给予抗过敏治疗。

**B. 6 临床证据概要表**

**B. 6. 1 疏血通注射液对脑梗死急性期患者神经功能缺损症状和日常生活能力的改善作用如何？**

| 共识问题                            | P（研究对象）                                                                                                                   | I（干预措施）       | C（对照措施）                             | O（结局指标）                        |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------|--------------------------------|
| 疏血通注射液对脑梗死急性期患者神经功能缺损症状的改善作用如何？ | 脑梗死急性期患者                                                                                                                  | 疏血通注射液+西医常规治疗 | 西医常规治疗（静脉溶栓、抗血小板聚集、抗凝、降脂、降纤等以及对症治疗） | 关键结局指标：NIHSS 评分（美国国立卫生研究院卒中量表） |
| 研究类型及数量                         | 24项RCT                                                                                                                    |               |                                     |                                |
| 效应值及可信区间                        | MD=-3.80，95%CI[-3.96，-3.63]，P<0.00001<br>①MD=-3.59，95%CI[-3.77，-3.41]，P<0.00001<br>②MD=-5.05，95%CI[-5.50，-4.61]，P<0.00001 |               |                                     |                                |
| 证据等级                            | C级证据                                                                                                                      |               |                                     |                                |
| 是否升级或降级                         | 降级                                                                                                                        |               |                                     |                                |
| 升级或降级因素                         | 严重偏倚风险、严重不一致性                                                                                                             |               |                                     |                                |
| 结论                              | 脑梗死急性期患者，在常规治疗基础上联用疏血通注射液，可改善神经功能。                                                                                        |               |                                     |                                |

| 概况                                                                            |                   | 样本量  |       | 效果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |       |        |                                   |  | 质量评价              |                   |      |       |              | 证据质量 |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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| 数量                                                                            | 研究设计              | 干预组  | 对照组   | Meta分析结果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |       |        |                                   |  | 95%可信区间           | 偏倚风险              | 不一致性 | 间接性   | 不精确性         |      | 其他偏倚  |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| 神经功能缺损 (NIHSS评分) NIHSS < 20分                                                  |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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       |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 18                                                                            | RCT               | 876  | 847   | <table><thead><tr><th>Study or Subgroup</th><th>Experimental Mean</th><th>SD</th><th>Total</th><th>Control Mean</th><th>SD</th><th>Total</th><th>Weight</th><th>Mean Difference IV, Fixed, 95% CI</th></tr></thead><tbody><tr><td colspan="9">1.1.1 NIHSS &lt; 20</td></tr><tr><td>吴雅丽 2014</td><td>7.1</td><td>2.36</td><td>40</td><td>8.93</td><td>2.42</td><td>40</td><td>2.5%</td><td>-1.83 [-2.88, -0.78]</td></tr><tr><td>孙超帅 2017</td><td>12.45</td><td>4.31</td><td>53</td><td>17.54</td><td>4.08</td><td>53</td><td>1.1%</td><td>-5.09 [-6.69, -3.49]</td></tr><tr><td>宋增平 2020</td><td>6.37</td><td>1.1</td><td>44</td><td>10.49</td><td>2.39</td><td>44</td><td>4.5%</td><td>-4.12 [-4.90, -3.34]</td></tr><tr><td>张璇 2005</td><td>3.25</td><td>1.21</td><td>40</td><td>6.04</td><td>2.65</td><td>38</td><td>3.2%</td><td>-2.79 [-3.71, -1.87]</td></tr><tr><td>曹雪冰 2017</td><td>5.32</td><td>0.21</td><td>48</td><td>10.6</td><td>1.1</td><td>48</td><td>27.2%</td><td>-5.28 [-5.60, -4.96]</td></tr><tr><td>李君颜 2021</td><td>9.53</td><td>2.58</td><td>75</td><td>12.39</td><td>2.64</td><td>75</td><td>3.9%</td><td>-2.86 [-3.70, -2.02]</td></tr><tr><td>李宝珍 2017</td><td>8.87</td><td>2.39</td><td>40</td><td>12.55</td><td>4.16</td><td>40</td><td>1.2%</td><td>-3.68 [-5.17, -2.19]</td></tr><tr><td>梁秋溪 2015</td><td>8.37</td><td>1.64</td><td>80</td><td>10.26</td><td>1.85</td><td>80</td><td>9.3%</td><td>-1.89 [-2.43, -1.35]</td></tr><tr><td>熊执波 2021</td><td>9.13</td><td>1.05</td><td>41</td><td>11.04</td><td>1.37</td><td>41</td><td>9.8%</td><td>-1.91 [-2.44, -1.38]</td></tr><tr><td>王小平 2017</td><td>9.81</td><td>1.94</td><td>41</td><td>13.33</td><td>2.38</td><td>41</td><td>3.1%</td><td>-3.52 [-4.46, -2.58]</td></tr><tr><td>王婧 2016</td><td>2.9</td><td>0.5</td><td>55</td><td>6.8</td><td>2.2</td><td>55</td><td>7.7%</td><td>-3.90 [-4.50, -3.30]</td></tr><tr><td>虞冬辉 2017</td><td>4.96</td><td>2.34</td><td>32</td><td>8.29</td><td>5.51</td><td>30</td><td>0.6%</td><td>-3.33 [-5.46, -1.20]</td></tr><tr><td>衣香明 2011</td><td>4.62</td><td>4.85</td><td>74</td><td>7.12</td><td>6.13</td><td>72</td><td>0.8%</td><td>-2.50 [-4.30, -0.70]</td></tr><tr><td>郭磊 2014</td><td>5.6</td><td>2.1</td><td>45</td><td>7.1</td><td>2.4</td><td>22</td><td>2.0%</td><td>-1.50 [-2.68, -0.32]</td></tr><tr><td>陈宁 2017</td><td>9.22</td><td>3.15</td><td>45</td><td>13.32</td><td>3.28</td><td>45</td><td>1.5%</td><td>-4.10 [-5.43, -2.77]</td></tr><tr><td>陈欢 2015</td><td>5.67</td><td>3.02</td><td>67</td><td>8.35</td><td>3.69</td><td>67</td><td>2.1%</td><td>-2.68 [-3.82, -1.54]</td></tr><tr><td>鲁建华 2018</td><td>5.67</td><td>1.75</td><td>30</td><td>8.5</td><td>1.05</td><td>30</td><td>5.1%</td><td>-2.83 [-3.56, -2.10]</td></tr><tr><td>黄美媚 2011</td><td>9.8</td><td>4.4</td><td>26</td><td>13.9</td><td>6.2</td><td>26</td><td>0.3%</td><td>-4.10 [-7.02, -1.18]</td></tr><tr><td>Subtotal (95% CI)</td><td></td><td></td><td>876</td><td></td><td></td><td>847</td><td>86.1%</td><td>-3.59 [-3.77, -3.41]</td></tr><tr><td colspan="9">Heterogeneity: Chi² = 229.79, df = 17 (P &lt; 0.00001); I² = 93%</td></tr><tr><td colspan="9">Test for overall effect: Z = 39.51 (P &lt; 0.00001)</td></tr><tr><td colspan="9">1.1.2 NIHSS ≥ 20</td></tr><tr><td>吕晓涛 2017</td><td>16.32</td><td>2.56</td><td>42</td><td>19.75</td><td>3.31</td><td>42</td><td>1.7%</td><td>-3.43 [-4.70, -2.16]</td></tr><tr><td>吴秋义 2019</td><td>10.25</td><td>2.64</td><td>55</td><td>14.53</td><td>2.93</td><td>55</td><td>2.5%</td><td>-4.28 [-5.32, -3.24]</td></tr><tr><td>步桂芝 2014</td><td>9.51</td><td>2.78</td><td>53</td><td>14.72</td><td>3.12</td><td>52</td><td>2.1%</td><td>-5.21 [-6.34, -4.08]</td></tr><tr><td>潘成德 2013</td><td>6.92</td><td>2.33</td><td>94</td><td>10.97</td><td>4.35</td><td>88</td><td>2.6%</td><td>-4.05 [-5.07, -3.03]</td></tr><tr><td>陈立芬 2021</td><td>9.12</td><td>2.76</td><td>55</td><td>14.17</td><td>3.99</td><td>55</td><td>1.7%</td><td>-5.05 [-6.31, -3.79]</td></tr><tr><td>马征 2014</td><td>9.12</td><td>2.15</td><td>75</td><td>16.34</td><td>3.45</td><td>75</td><td>3.2%</td><td>-7.22 [-8.14, -6.30]</td></tr><tr><td>Subtotal (95% CI)</td><td></td><td></td><td>374</td><td></td><td></td><td>367</td><td>13.9%</td><td>-5.05 [-5.50, -4.61]</td></tr><tr><td colspan="9">Heterogeneity: Chi² = 33.51, df = 5 (P &lt; 0.00001); I² = 85%</td></tr><tr><td colspan="9">Test for overall effect: Z = 22.35 (P &lt; 0.00001)</td></tr><tr><td colspan="9">Total (95% CI)</td></tr><tr><td></td><td></td><td></td><td>1250</td><td></td><td></td><td>1214</td><td>100.0%</td><td>-3.80 [-3.96, -3.63]</td></tr><tr><td colspan="9">Heterogeneity: Chi² = 299.24, df = 23 (P &lt; 0.00001); I² = 92%</td></tr><tr><td colspan="9">Test for overall effect: Z = 44.99 (P &lt; 0.00001)</td></tr><tr><td colspan="9">Test for subgroup differences: Chi² = 35.94, df = 1 (P &lt; 0.00001); I² = 97.2%</td></tr></tbody></table> |      |       |        |                                   |  | Study or Subgroup | Experimental Mean | SD   | Total | Control Mean | SD   | Total | Weight | Mean Difference IV, Fixed, 95% CI | 1.1.1 NIHSS < 20 |  |  |  |  |  |  |  |  | 吴雅丽 2014 | 7.1 | 2.36 | 40 | 8.93 | 2.42 | 40 | 2.5% | -1.83 [-2.88, -0.78] | 孙超帅 2017 | 12.45 | 4.31 | 53 | 17.54 | 4.08 | 53 | 1.1% | -5.09 [-6.69, -3.49] | 宋增平 2020 | 6.37 | 1.1 | 44 | 10.49 | 2.39 | 44 | 4.5% | -4.12 [-4.90, -3.34] | 张璇 2005 | 3.25 | 1.21 | 40 | 6.04 | 2.65 | 38 | 3.2% | -2.79 [-3.71, -1.87] | 曹雪冰 2017 | 5.32 | 0.21 | 48 | 10.6 | 1.1 | 48 | 27.2% | -5.28 [-5.60, -4.96] | 李君颜 2021 | 9.53 | 2.58 | 75 | 12.39 | 2.64 | 75 | 3.9% | -2.86 [-3.70, -2.02] | 李宝珍 2017 | 8.87 | 2.39 | 40 | 12.55 | 4.16 | 40 | 1.2% | -3.68 [-5.17, -2.19] | 梁秋溪 2015 | 8.37 | 1.64 | 80 | 10.26 | 1.85 | 80 | 9.3% | -1.89 [-2.43, -1.35] | 熊执波 2021 | 9.13 | 1.05 | 41 | 11.04 | 1.37 | 41 | 9.8% | -1.91 [-2.44, -1.38] | 王小平 2017 | 9.81 | 1.94 | 41 | 13.33 | 2.38 | 41 | 3.1% | -3.52 [-4.46, -2.58] | 王婧 2016 | 2.9 | 0.5 | 55 | 6.8 | 2.2 | 55 | 7.7% | -3.90 [-4.50, -3.30] | 虞冬辉 2017 | 4.96 | 2.34 | 32 | 8.29 | 5.51 | 30 | 0.6% | -3.33 [-5.46, -1.20] | 衣香明 2011 | 4.62 | 4.85 | 74 | 7.12 | 6.13 | 72 | 0.8% | -2.50 [-4.30, -0.70] | 郭磊 2014 | 5.6 | 2.1 | 45 | 7.1 | 2.4 | 22 | 2.0% | -1.50 [-2.68, -0.32] | 陈宁 2017 | 9.22 | 3.15 | 45 | 13.32 | 3.28 | 45 | 1.5% | -4.10 [-5.43, -2.77] | 陈欢 2015 | 5.67 | 3.02 | 67 | 8.35 | 3.69 | 67 | 2.1% | -2.68 [-3.82, -1.54] | 鲁建华 2018 | 5.67 | 1.75 | 30 | 8.5 | 1.05 | 30 | 5.1% | -2.83 [-3.56, -2.10] | 黄美媚 2011 | 9.8 | 4.4 | 26 | 13.9 | 6.2 | 26 | 0.3% | -4.10 [-7.02, -1.18] | Subtotal (95% CI) |  |  | 876 |  |  | 847 | 86.1% | -3.59 [-3.77, -3.41] | Heterogeneity: Chi² = 229.79, df = 17 (P < 0.00001); I² = 93% |  |  |  |  |  |  |  |  | Test for overall effect: Z = 39.51 (P < 0.00001) |  |  |  |  |  |  |  |  | 1.1.2 NIHSS ≥ 20 |  |  |  |  |  |  |  |  | 吕晓涛 2017 | 16.32 | 2.56 | 42 | 19.75 | 3.31 | 42 | 1.7% | -3.43 [-4.70, -2.16] | 吴秋义 2019 | 10.25 | 2.64 | 55 | 14.53 | 2.93 | 55 | 2.5% | -4.28 [-5.32, -3.24] | 步桂芝 2014 | 9.51 | 2.78 | 53 | 14.72 | 3.12 | 52 | 2.1% | -5.21 [-6.34, -4.08] | 潘成德 2013 | 6.92 | 2.33 | 94 | 10.97 | 4.35 | 88 | 2.6% | -4.05 [-5.07, -3.03] | 陈立芬 2021 | 9.12 | 2.76 | 55 | 14.17 | 3.99 | 55 | 1.7% | -5.05 [-6.31, -3.79] | 马征 2014 | 9.12 | 2.15 | 75 | 16.34 | 3.45 | 75 | 3.2% | -7.22 [-8.14, -6.30] | Subtotal (95% CI) |  |  | 374 |  |  | 367 | 13.9% | -5.05 [-5.50, -4.61] | Heterogeneity: Chi² = 33.51, df = 5 (P < 0.00001); I² = 85% |  |  |  |  |  |  |  |  | Test for overall effect: Z = 22.35 (P < 0.00001) |  |  |  |  |  |  |  |  | Total (95% CI) |  |  |  |  |  |  |  |  |  |  |  | 1250 |  |  | 1214 | 100.0% | -3.80 [-3.96, -3.63] | Heterogeneity: Chi² = 299.24, df = 23 (P < 0.00001); I² = 92% |  |  |  |  |  |  |  |  | Test for overall effect: Z = 44.99 (P < 0.00001) |  |  |  |  |  |  |  |  | Test for subgroup differences: Chi² = 35.94, df = 1 (P < 0.00001); I² = 97.2% |  |  |  |  |  |  |  |  | MD=-3.59 [-3.77, -3.41] | 严重 | 严重 | 不严重 | 不严重 | 不严重 | ⊕⊕○○<br>C级 |
| Study or Subgroup                                                             | Experimental Mean | SD   | Total | Control Mean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SD   | Total | Weight | Mean Difference IV, Fixed, 95% CI |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 1.1.1 NIHSS < 20                                                              |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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       |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 吴雅丽 2014                                                                      | 7.1               | 2.36 | 40    | 8.93                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.42 | 40    | 2.5%   | -1.83 [-2.88, -0.78]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 孙超帅 2017                                                                      | 12.45             | 4.31 | 53    | 17.54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4.08 | 53    | 1.1%   | -5.09 [-6.69, -3.49]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 宋增平 2020                                                                      | 6.37              | 1.1  | 44    | 10.49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2.39 | 44    | 4.5%   | -4.12 [-4.90, -3.34]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 张璇 2005                                                                       | 3.25              | 1.21 | 40    | 6.04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.65 | 38    | 3.2%   | -2.79 [-3.71, -1.87]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 曹雪冰 2017                                                                      | 5.32              | 0.21 | 48    | 10.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.1  | 48    | 27.2%  | -5.28 [-5.60, -4.96]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 李君颜 2021                                                                      | 9.53              | 2.58 | 75    | 12.39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2.64 | 75    | 3.9%   | -2.86 [-3.70, -2.02]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 李宝珍 2017                                                                      | 8.87              | 2.39 | 40    | 12.55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4.16 | 40    | 1.2%   | -3.68 [-5.17, -2.19]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 梁秋溪 2015                                                                      | 8.37              | 1.64 | 80    | 10.26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.85 | 80    | 9.3%   | -1.89 [-2.43, -1.35]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 熊执波 2021                                                                      | 9.13              | 1.05 | 41    | 11.04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.37 | 41    | 9.8%   | -1.91 [-2.44, -1.38]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 王小平 2017                                                                      | 9.81              | 1.94 | 41    | 13.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2.38 | 41    | 3.1%   | -3.52 [-4.46, -2.58]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 王婧 2016                                                                       | 2.9               | 0.5  | 55    | 6.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2.2  | 55    | 7.7%   | -3.90 [-4.50, -3.30]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 虞冬辉 2017                                                                      | 4.96              | 2.34 | 32    | 8.29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5.51 | 30    | 0.6%   | -3.33 [-5.46, -1.20]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 衣香明 2011                                                                      | 4.62              | 4.85 | 74    | 7.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6.13 | 72    | 0.8%   | -2.50 [-4.30, -0.70]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 郭磊 2014                                                                       | 5.6               | 2.1  | 45    | 7.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2.4  | 22    | 2.0%   | -1.50 [-2.68, -0.32]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 陈宁 2017                                                                       | 9.22              | 3.15 | 45    | 13.32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3.28 | 45    | 1.5%   | -4.10 [-5.43, -2.77]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 陈欢 2015                                                                       | 5.67              | 3.02 | 67    | 8.35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.69 | 67    | 2.1%   | -2.68 [-3.82, -1.54]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |      |      |    |       |      |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                             |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |      |  |  |      |        |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  |  |                         |    |    |     |     |     |            |
| 鲁建华 2018                                                                      | 5.67              | 1.75 | 30    | 8.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.05 | 30    | 5.1%   | -2.83 [-3.56, -2.10]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| 黄美媚 2011                                                                      | 9.8               | 4.4  | 26    | 13.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6.2  | 26    | 0.3%   | -4.10 [-7.02, -1.18]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| Subtotal (95% CI)                                                             |                   |      | 876   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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       |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| Heterogeneity: Chi² = 229.79, df = 17 (P < 0.00001); I² = 93%                 |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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     |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| Test for overall effect: Z = 39.51 (P < 0.00001)                              |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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     |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| 1.1.2 NIHSS ≥ 20                                                              |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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     |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| 吕晓涛 2017                                                                      | 16.32             | 2.56 | 42    | 19.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3.31 | 42    | 1.7%   | -3.43 [-4.70, -2.16]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| 吴秋义 2019                                                                      | 10.25             | 2.64 | 55    | 14.53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2.93 | 55    | 2.5%   | -4.28 [-5.32, -3.24]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| 步桂芝 2014                                                                      | 9.51              | 2.78 | 53    | 14.72                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3.12 | 52    | 2.1%   | -5.21 [-6.34, -4.08]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| 潘成德 2013                                                                      | 6.92              | 2.33 | 94    | 10.97                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4.35 | 88    | 2.6%   | -4.05 [-5.07, -3.03]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| 陈立芬 2021                                                                      | 9.12              | 2.76 | 55    | 14.17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3.99 | 55    | 1.7%   | -5.05 [-6.31, -3.79]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| 马征 2014                                                                       | 9.12              | 2.15 | 75    | 16.34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3.45 | 75    | 3.2%   | -7.22 [-8.14, -6.30]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| Subtotal (95% CI)                                                             |                   |      | 374   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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       |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| Heterogeneity: Chi² = 33.51, df = 5 (P < 0.00001); I² = 85%                   |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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     |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| Test for overall effect: Z = 22.35 (P < 0.00001)                              |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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     |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| Total (95% CI)                                                                |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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     |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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|                                                                               |                   |      | 1250  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | 1214  | 100.0% | -3.80 [-3.96, -3.63]              |  |                   |                   |      |       |              |      |       |        |                                   |                  |  |  |  |  |  |  |  |  |          |     |      |    |      |      |    |      |                      |          |       |      |    |       |      |    |      |                      |          |      |     |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |      |     |    |       |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |          |      |      |    |       |      |    |      |                      |         |     |     |    |     |     |    |      |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| Heterogeneity: Chi² = 299.24, df = 23 (P < 0.00001); I² = 92%                 |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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     |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| Test for overall effect: Z = 44.99 (P < 0.00001)                              |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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     |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| Test for subgroup differences: Chi² = 35.94, df = 1 (P < 0.00001); I² = 97.2% |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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     |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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   |
| 神经功能缺损 (NIHSS评分) NIHSS ≥ 20分                                                  |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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     |                      |          |      |      |    |      |      |    |      |                      |          |      |      |    |      |      |    |      |                      |         |     |     |    |     |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |      |      |    |      |      |    |      |                      |          |      |      |    |     |      |    |      |                      |          |     |     |    |      |     |    |      |                      |                   |  |  |     |  |  |     |       |                      |                                                               |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |          |       |      |    |       |      |    |      |                      |          |       |      |    |       |      |    |      |         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|   |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---|-----|-----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6 | RCT | 374 | 367 | <div> <div>Experimental</div> <div>Control</div> <div>Mean Difference</div> <div>Mean Difference</div> <div>MD=-5.05</div> <div>[-5.50, -4.61]</div> <div>严重</div> <div>严重</div> <div>不严重</div> <div>不严重</div> <div>不严重</div> <div>⊕⊕○○</div> <div>C级</div> </div>                                                                                                                                                                                                                                                                                                                    |
|   |     |     |     | <div> <div>Study or Subgroup</div> <div>Mean</div> <div>SD</div> <div>Total</div> <div>Mean</div> <div>SD</div> <div>Total</div> <div>Weight</div> <div>IV, Fixed, 95% CI</div> <div>IV, Fixed, 95% CI</div> </div>                                                                                                                                                                                                                                                                                                                                                                   |
|   |     |     |     | <div> <div>1.1.1 NIHSS &lt;20</div> <div>吴雅丽 2014</div> <div>孙超帅 2017</div> <div>宋增平 2020</div> <div>张璇 2005</div> <div>曹雪冰 2017</div> <div>李君颜 2021</div> <div>李宝珍 2017</div> <div>梁秋溪 2015</div> <div>戚执波 2021</div> <div>王小平 2017</div> <div>王婧 2016</div> <div>唐冬峰 2017</div> <div>农志明 2011</div> <div>郭磊 2014</div> <div>陈宇 2017</div> <div>陈欢 2015</div> <div>鲁建华 2018</div> <div>黄美媚 2011</div> <div>Subtotal (95% CI)</div> <div>Heterogeneity: Chi² = 229.79, df = 17 (P &lt; 0.00001); I² = 93%</div> <div>Test for overall effect: Z = 39.51 (P &lt; 0.00001)</div> </div> |
|   |     |     |     | <div> <div>1.1.2 NIHSS ≥20</div> <div>吕晓凌 2017</div> <div>吴秋义 2019</div> <div>步桂芝 2014</div> <div>潘成德 2013</div> <div>陈亚芬 2021</div> <div>马征 2014</div> <div>Subtotal (95% CI)</div> <div>Heterogeneity: Chi² = 33.51, df = 5 (P &lt; 0.00001); I² = 85%</div> <div>Test for overall effect: Z = 22.35 (P &lt; 0.00001)</div> </div>                                                                                                                                                                                                                                                  |
|   |     |     |     | <div> <div>Total (95% CI)</div> <div>Heterogeneity: Chi² = 299.24, df = 23 (P &lt; 0.00001); I² = 92%</div> <div>Test for overall effect: Z = 44.99 (P &lt; 0.00001)</div> <div>Test for subgroup differences: Chi² = 35.94, df = 1 (P &lt; 0.00001), I² = 97.2%</div> </div>                                                                                                                                                                                                                                                                                                         |

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| 共识问题                          | P（研究对象）                                  | I（干预措施）       | C（对照措施）                             | O（结局指标）                           |
|-------------------------------|------------------------------------------|---------------|-------------------------------------|-----------------------------------|
| 疏血通注射液对脑梗死急性期患者日常生活能力的改善作用如何？ | 脑梗死急性期患者                                 | 疏血通注射液+西医常规治疗 | 西医常规治疗（静脉溶栓、抗血小板聚集、抗凝、降脂、降纤等以及对症治疗） | 关键结局指标：BI（Barthel 指数日常生活活动能力评分量表） |
| 研究类型及数量                       | 3项RCT                                    |               |                                     |                                   |
| 效应值及可信区间                      | MD=18.44, 95%CI[17.12, 19.75], P<0.00001 |               |                                     |                                   |
| 证据等级                          | C级证据                                     |               |                                     |                                   |
| 是否升级或降级                       | 降级                                       |               |                                     |                                   |
| 升级或降级因素                       | 严重偏倚风险、严重不精确性                            |               |                                     |                                   |
| 结论                            | 脑梗死急性期患者，在常规治疗基础上联用疏血通注射液，可提高日常生活活动能力。   |               |                                     |                                   |



| 概况                |              | 样本量   |       | 效果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |       |        |                                      | 质量评价                 |              |      |     |         | 证据质量 |      |        |                                      |      |    |       |      |    |       |         |       |      |    |       |      |    |       |                      |          |       |       |    |       |       |    |      |                    |          |       |       |    |       |       |    |      |                     |                |  |     |  |  |     |  |  |        |                      |                           |    |     |     |    |     |            |
|-------------------|--------------|-------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|--------|--------------------------------------|----------------------|--------------|------|-----|---------|------|------|--------|--------------------------------------|------|----|-------|------|----|-------|---------|-------|------|----|-------|------|----|-------|----------------------|----------|-------|-------|----|-------|-------|----|------|--------------------|----------|-------|-------|----|-------|-------|----|------|---------------------|----------------|--|-----|--|--|-----|--|--|--------|----------------------|---------------------------|----|-----|-----|----|-----|------------|
| 数量                | 研究设计         | 干预组   | 对照组   | Meta分析结果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |       |        |                                      | 95%可信区间              | 偏倚风险         | 不一致性 | 间接性 | 不精确性    |      | 其他偏倚 |        |                                      |      |    |       |      |    |       |         |       |      |    |       |      |    |       |                      |          |       |       |    |       |       |    |      |                    |          |       |       |    |       |       |    |      |                     |                |  |     |  |  |     |  |  |        |                      |                           |    |     |     |    |     |            |
| 日常生活活动能力（BI评分）    |              |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       |        |                                      |                      |              |      |     |         |      |      |        |                                      |      |    |       |      |    |       |         |       |      |    |       |      |    |       |                      |          |       |       |    |       |       |    |      |                    |          |       |       |    |       |       |    |      |                     |                |  |     |  |  |     |  |  |        |                      |                           |    |     |     |    |     |            |
| 3                 | RCT          | 166   | 156   | <table><thead><tr><th rowspan="2">Study or Subgroup</th><th colspan="3">Experimental</th><th colspan="3">Control</th><th rowspan="2">Weight</th><th rowspan="2">Mean Difference<br/>IV, Fixed, 95% CI</th></tr><tr><th>Mean</th><th>SD</th><th>Total</th><th>Mean</th><th>SD</th><th>Total</th></tr></thead><tbody><tr><td>张璇 2005</td><td>67.39</td><td>2.84</td><td>40</td><td>48.21</td><td>3.32</td><td>38</td><td>91.7%</td><td>19.18 [17.81, 20.55]</td></tr><tr><td>潘成德 2013</td><td>82.32</td><td>16.83</td><td>94</td><td>73.42</td><td>17.36</td><td>88</td><td>7.0%</td><td>8.90 [3.93, 13.87]</td></tr><tr><td>虞冬辉 2017</td><td>68.64</td><td>21.83</td><td>32</td><td>51.31</td><td>24.56</td><td>30</td><td>1.3%</td><td>17.33 [5.73, 28.93]</td></tr><tr><td colspan="2">Total (95% CI)</td><td colspan="3">166</td><td colspan="3">156</td><td>100.0%</td><td>18.44 [17.12, 19.75]</td></tr></tbody></table> <p>Heterogeneity: Chi<sup>2</sup> = 15.29, df = 2 (P = 0.0005); I<sup>2</sup> = 87%<br/>Test for overall effect: Z = 27.45 (P &lt; 0.00001)</p> |       |       |        |                                      | Study or Subgroup    | Experimental |      |     | Control |      |      | Weight | Mean Difference<br>IV, Fixed, 95% CI | Mean | SD | Total | Mean | SD | Total | 张璇 2005 | 67.39 | 2.84 | 40 | 48.21 | 3.32 | 38 | 91.7% | 19.18 [17.81, 20.55] | 潘成德 2013 | 82.32 | 16.83 | 94 | 73.42 | 17.36 | 88 | 7.0% | 8.90 [3.93, 13.87] | 虞冬辉 2017 | 68.64 | 21.83 | 32 | 51.31 | 24.56 | 30 | 1.3% | 17.33 [5.73, 28.93] | Total (95% CI) |  | 166 |  |  | 156 |  |  | 100.0% | 18.44 [17.12, 19.75] | MD=18.44<br>[17.12,19.75] | 严重 | 不严重 | 不严重 | 严重 | 不严重 | ⊕⊕○○<br>C级 |
| Study or Subgroup | Experimental |       |       | Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |       | Weight | Mean Difference<br>IV, Fixed, 95% CI |                      |              |      |     |         |      |      |        |                                      |      |    |       |      |    |       |         |       |      |    |       |      |    |       |                      |          |       |       |    |       |       |    |      |                    |          |       |       |    |       |       |    |      |                     |                |  |     |  |  |     |  |  |        |                      |                           |    |     |     |    |     |            |
|                   | Mean         | SD    | Total | Mean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SD    | Total |        |                                      |                      |              |      |     |         |      |      |        |                                      |      |    |       |      |    |       |         |       |      |    |       |      |    |       |                      |          |       |       |    |       |       |    |      |                    |          |       |       |    |       |       |    |      |                     |                |  |     |  |  |     |  |  |        |                      |                           |    |     |     |    |     |            |
| 张璇 2005           | 67.39        | 2.84  | 40    | 48.21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.32  | 38    | 91.7%  | 19.18 [17.81, 20.55]                 |                      |              |      |     |         |      |      |        |                                      |      |    |       |      |    |       |         |       |      |    |       |      |    |       |                      |          |       |       |    |       |       |    |      |                    |          |       |       |    |       |       |    |      |                     |                |  |     |  |  |     |  |  |        |                      |                           |    |     |     |    |     |            |
| 潘成德 2013          | 82.32        | 16.83 | 94    | 73.42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 17.36 | 88    | 7.0%   | 8.90 [3.93, 13.87]                   |                      |              |      |     |         |      |      |        |                                      |      |    |       |      |    |       |         |       |      |    |       |      |    |       |                      |          |       |       |    |       |       |    |      |                    |          |       |       |    |       |       |    |      |                     |                |  |     |  |  |     |  |  |        |                      |                           |    |     |     |    |     |            |
| 虞冬辉 2017          | 68.64        | 21.83 | 32    | 51.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 24.56 | 30    | 1.3%   | 17.33 [5.73, 28.93]                  |                      |              |      |     |         |      |      |        |                                      |      |    |       |      |    |       |         |       |      |    |       |      |    |       |                      |          |       |       |    |       |       |    |      |                    |          |       |       |    |       |       |    |      |                     |                |  |     |  |  |     |  |  |        |                      |                           |    |     |     |    |     |            |
| Total (95% CI)    |              | 166   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 156   |       |        | 100.0%                               | 18.44 [17.12, 19.75] |              |      |     |         |      |      |        |                                      |      |    |       |      |    |       |         |       |      |    |       |      |    |       |                      |          |       |       |    |       |       |    |      |                    |          |       |       |    |       |       |    |      |                     |                |  |     |  |  |     |  |  |        |                      |                           |    |     |     |    |     |            |

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[1]张璇,余震,胡长林. 疏血通注射液对急性脑梗死病人疗效及凝血-纤溶系统的影响[J]. 中西医结合心脑血管病杂志, 2005 (06) :471-472.

[2]虞冬辉,王柳青,鲁建华等. 疏血通注射液对急性脑梗死病人血清IL-6、CRP的影响[J]. 中西医结合心脑血管病杂志, 2017, 15 (19) :2463-2465.

[3]潘成德,唐明山,张志坚等. 疏血通注射液治疗缺血性脑卒中的疗效观察[J]. 中国药房, 2013, 24 (24) :2248-2250.

| 共识问题                            | P（研究对象）                                                                                                                          | I（干预措施）       | C（对照措施） | O（结局指标）                                                   |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------|---------|-----------------------------------------------------------|
| 疏血通注射液对脑梗死急性期患者神经功能缺损症状的改善作用如何？ | 进展性卒中患者                                                                                                                          | 疏血通注射液+西医常规治疗 | 西医常规治疗  | 关键结局指标：神经功能：美国国立卫生院卒中量表（NIHSS）、中国脑卒中患者临床神经功能缺损程度评分量表（CSS） |
| 研究类型及数量                         | 14项RCT                                                                                                                           |               |         |                                                           |
| 效应值及可信区间                        | MD=-4.91, 95%CI[-5.68-4.13], P<0.00001<br>①MD=-3.89, 95%CI[-4.34, -3.43], P<0.00001<br>②MD=-5.59, 95%CI[-6.42, -4.76], P<0.00001 |               |         |                                                           |
| 证据等级                            | C级证据                                                                                                                             |               |         |                                                           |
| 是否升级或降级                         | 降级                                                                                                                               |               |         |                                                           |
| 升级或降级因素                         | 严重偏倚风险、严重不一致性/严重不精确性                                                                                                             |               |         |                                                           |
| 结论                              | 脑梗死急性期表现为进展性卒中的患者，在常规治疗基础上联用疏血通注射液，可改善神经功能。                                                                                      |               |         |                                                           |

| 概况                                                                                           |                   | 样本量  |       | 效果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |        |                                    | 质量评价                               |                      |                      |       |              | 证据质量 |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |         |      |      |    |       |      |    |       |                      |  |         |       |     |    |       |      |    |      |                     |         |     |     |    |      |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |       |      |    |       |      |    |      |                      |         |       |      |    |       |      |    |      |                      |        |      |     |    |      |      |    |      |                      |         |      |     |    |       |      |    |      |                      |        |       |      |    |       |      |    |      |                      |         |    |   |    |    |   |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                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----|--|--|--|--|--|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|---------|------|------|----|-------|------|----|-------|----------------------|--|---------|-------|-----|----|-------|------|----|------|---------------------|---------|-----|-----|----|------|-----|----|------|----------------------|---------|------|------|----|-------|------|----|------|----------------------|---------|-------|------|----|-------|------|----|------|----------------------|---------|-------|------|----|-------|------|----|------|----------------------|--------|------|-----|----|------|------|----|------|----------------------|---------|------|-----|----|-------|------|----|------|----------------------|--------|-------|------|----|-------|------|----|------|----------------------|---------|----|---|----|----|---|----|------|----------------------|-------------------|--|--|--|--|--|--|--|-----|-------|----------------------|-------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------------------------------|--|--|--|--|--|--|--|--|--|----------------|--|--|--|--|--|--|--|-----|--------|----------------------|----------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------|----|-----|-----|-----|-----|------------|
| 数量                                                                                           | 研究设计              | 干预组  | 对照组   | Meta分析结果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |       |        |                                    | 95%可信区间                            | 偏倚风险                 | 不一致性                 | 间接性   | 不精确性         |      | 其他偏倚  |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |         |      |      |    |       |      |    |       |                      |  |         |       |     |    |       |      |    |      |                     |         |     |     |    |      |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |       |      |    |       |      |    |      |                      |         |       |      |    |       |      |    |      |                      |        |      |     |    |      |      |    |      |                      |         |      |     |    |       |      |    |      |                      |        |       |      |    |       |      |    |      |                      |         |    |   |    |    |   |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                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| 神经功能缺损 (NIHSS评分)                                                                             |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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           |  |  |  |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |     |        |                      |                                                                                              |  |  |  |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |  |  |  |                                                                                             |  |  |  |  |  |  |  |  |  |                         |    |     |     |     |     |            |
| 4                                                                                            | RCT               | 153  | 153   | <table><thead><tr><th>Study or Subgroup</th><th>Experimental Mean</th><th>SD</th><th>Total</th><th>Control Mean</th><th>SD</th><th>Total</th><th>Weight</th><th>Mean Difference IV, Random, 95% CI</th><th>Mean Difference IV, Random, 95% CI</th></tr></thead><tbody><tr><td colspan="10">1.2.1 NIHSS</td></tr><tr><td>吕晓澄2017</td><td>16.32</td><td>2.56</td><td>42</td><td>19.75</td><td>3.31</td><td>42</td><td>9.1%</td><td>-3.43 [-4.70, -2.16]</td><td rowspan="5"></td></tr><tr><td>王小平2017</td><td>9.81</td><td>1.94</td><td>41</td><td>13.33</td><td>2.38</td><td>41</td><td>10.2%</td><td>-3.52 [-4.46, -2.58]</td></tr><tr><td>谭玲2021</td><td>10.16</td><td>1.38</td><td>44</td><td>14.27</td><td>1.38</td><td>44</td><td>11.3%</td><td>-4.11 [-4.69, -3.53]</td></tr><tr><td>贺占海2017</td><td>3.73</td><td>1.04</td><td>43</td><td>6.59</td><td>1.53</td><td>43</td><td></td><td>Not estimable</td></tr><tr><td>黄美娟2011</td><td>9.8</td><td>4.4</td><td>26</td><td>13.9</td><td>6.2</td><td>26</td><td>4.4%</td><td>-4.10 [-7.02, -1.18]</td></tr><tr><td colspan="8">Subtotal (95% CI)</td><td>153</td><td>35.1%</td><td>-3.89 [-4.34, -3.43]</td></tr><tr><td colspan="10">Heterogeneity: <math>\tau^2 = 0.00</math>; <math>\chi^2 = 1.68</math>, <math>df = 3</math> (<math>P = 0.64</math>); <math>I^2 = 0\%</math></td></tr><tr><td colspan="10">Test for overall effect: <math>Z = 16.83</math> (<math>P &lt; 0.00001</math>)</td></tr><tr><td colspan="10">1.2.2 CSS</td></tr><tr><td>于文超2013</td><td>8.32</td><td>2.51</td><td>40</td><td>14.11</td><td>1.74</td><td>38</td><td>10.2%</td><td>-5.79 [-6.74, -4.84]</td><td rowspan="11"></td></tr><tr><td>刘保夫2014</td><td>22.05</td><td>6.5</td><td>50</td><td>24.36</td><td>7.11</td><td>50</td><td>4.9%</td><td>-2.31 [-4.98, 0.36]</td></tr><tr><td>刘文雷2010</td><td>8.4</td><td>4.3</td><td>50</td><td>14.5</td><td>2.1</td><td>50</td><td>8.9%</td><td>-6.10 [-7.43, -4.77]</td></tr><tr><td>夏友华2011</td><td>14.6</td><td>3.31</td><td>16</td><td>18.02</td><td>4.38</td><td>14</td><td>4.7%</td><td>-3.42 [-6.23, -0.61]</td></tr><tr><td>席展英2012</td><td>13.17</td><td>5.23</td><td>62</td><td>18.63</td><td>6.26</td><td>62</td><td>6.6%</td><td>-5.46 [-7.49, -3.43]</td></tr><tr><td>席金荣2012</td><td>14.23</td><td>4.97</td><td>75</td><td>20.11</td><td>7.88</td><td>75</td><td>6.4%</td><td>-5.88 [-7.99, -3.77]</td></tr><tr><td>张俊2008</td><td>7.74</td><td>3.3</td><td>80</td><td>14.9</td><td>5.23</td><td>80</td><td>8.8%</td><td>-7.16 [-8.52, -5.80]</td></tr><tr><td>李永亮2012</td><td>6.12</td><td>4.7</td><td>38</td><td>12.64</td><td>7.76</td><td>38</td><td>4.5%</td><td>-6.52 [-9.40, -3.64]</td></tr><tr><td>张群2011</td><td>11.04</td><td>6.47</td><td>60</td><td>14.85</td><td>7.26</td><td>60</td><td>5.4%</td><td>-3.81 [-6.27, -1.35]</td></tr><tr><td>靳明霞2009</td><td>12</td><td>7</td><td>50</td><td>19</td><td>8</td><td>54</td><td>4.5%</td><td>-7.00 [-9.88, -4.12]</td></tr><tr><td colspan="8">Subtotal (95% CI)</td><td>521</td><td>64.9%</td><td>-5.59 [-6.42, -4.76]</td></tr><tr><td colspan="10">Heterogeneity: <math>\tau^2 = 0.75</math>; <math>\chi^2 = 16.91</math>, <math>df = 9</math> (<math>P = 0.05</math>); <math>I^2 = 47\%</math></td></tr><tr><td colspan="10">Test for overall effect: <math>Z = 13.20</math> (<math>P &lt; 0.00001</math>)</td></tr><tr><td colspan="8">Total (95% CI)</td><td>674</td><td>100.0%</td><td>-4.91 [-5.68, -4.13]</td></tr><tr><td colspan="10">Heterogeneity: <math>\tau^2 = 1.29</math>; <math>\chi^2 = 46.09</math>, <math>df = 13</math> (<math>P &lt; 0.0001</math>); <math>I^2 = 72\%</math></td></tr><tr><td colspan="10">Test for overall effect: <math>Z = 12.44</math> (<math>P &lt; 0.00001</math>)</td></tr><tr><td colspan="10">Test for subgroup differences: <math>\chi^2 = 12.47</math>, <math>df = 1</math> (<math>P = 0.0004</math>), <math>I^2 = 92.0\%</math></td></tr></tbody></table> <td>MD=-3.89 [-4.34, -3.43]</td> <td>严重</td> <td>不严重</td> <td>不严重</td> <td>严重</td> <td>不严重</td> <td>⊕⊕○○<br/>C级</td> |      |       |        |                                    | Study or Subgroup                  | Experimental Mean    | SD                   | Total | Control Mean | SD   | Total | Weight | Mean Difference IV, Random, 95% CI | Mean Difference IV, Random, 95% CI | 1.2.1 NIHSS |  |  |  |  |  |  |  |  |  | 吕晓澄2017 | 16.32 | 2.56 | 42 | 19.75 | 3.31 | 42 | 9.1% | -3.43 [-4.70, -2.16] |  | 王小平2017 | 9.81 | 1.94 | 41 | 13.33 | 2.38 | 41 | 10.2% | -3.52 [-4.46, -2.58] | 谭玲2021 | 10.16 | 1.38 | 44 | 14.27 | 1.38 | 44 | 11.3% | -4.11 [-4.69, -3.53] | 贺占海2017 | 3.73 | 1.04 | 43 | 6.59 | 1.53 | 43 |  | Not estimable | 黄美娟2011 | 9.8 | 4.4 | 26 | 13.9 | 6.2 | 26 | 4.4% | -4.10 [-7.02, -1.18] | Subtotal (95% CI) |  |  |  |  |  |  |  | 153 | 35.1% | -3.89 [-4.34, -3.43] | Heterogeneity: $\tau^2 = 0.00$ ; $\chi^2 = 1.68$ , $df = 3$ ( $P = 0.64$ ); $I^2 = 0\%$ |  |  |  |  |  |  |  |  |  | Test for overall effect: $Z = 16.83$ ( $P < 0.00001$ ) |  |  |  |  |  |  |  |  |  | 1.2.2 CSS |  |  |  |  |  |  |  |  |  | 于文超2013 | 8.32 | 2.51 | 40 | 14.11 | 1.74 | 38 | 10.2% | -5.79 [-6.74, -4.84] |  | 刘保夫2014 | 22.05 | 6.5 | 50 | 24.36 | 7.11 | 50 | 4.9% | -2.31 [-4.98, 0.36] | 刘文雷2010 | 8.4 | 4.3 | 50 | 14.5 | 2.1 | 50 | 8.9% | -6.10 [-7.43, -4.77] | 夏友华2011 | 14.6 | 3.31 | 16 | 18.02 | 4.38 | 14 | 4.7% | -3.42 [-6.23, -0.61] | 席展英2012 | 13.17 | 5.23 | 62 | 18.63 | 6.26 | 62 | 6.6% | -5.46 [-7.49, -3.43] | 席金荣2012 | 14.23 | 4.97 | 75 | 20.11 | 7.88 | 75 | 6.4% | -5.88 [-7.99, -3.77] | 张俊2008 | 7.74 | 3.3 | 80 | 14.9 | 5.23 | 80 | 8.8% | -7.16 [-8.52, -5.80] | 李永亮2012 | 6.12 | 4.7 | 38 | 12.64 | 7.76 | 38 | 4.5% | -6.52 [-9.40, -3.64] | 张群2011 | 11.04 | 6.47 | 60 | 14.85 | 7.26 | 60 | 5.4% | -3.81 [-6.27, -1.35] | 靳明霞2009 | 12 | 7 | 50 | 19 | 8 | 54 | 4.5% | -7.00 [-9.88, -4.12] | Subtotal (95% CI) |  |  |  |  |  |  |  | 521 | 64.9% | -5.59 [-6.42, -4.76] | Heterogeneity: $\tau^2 = 0.75$ ; $\chi^2 = 16.91$ , $df = 9$ ( $P = 0.05$ ); $I^2 = 47\%$ |  |  |  |  |  |  |  |  |  | Test for overall effect: $Z = 13.20$ ( $P < 0.00001$ ) |  |  |  |  |  |  |  |  |  | Total (95% CI) |  |  |  |  |  |  |  | 674 | 100.0% | -4.91 [-5.68, -4.13] | Heterogeneity: $\tau^2 = 1.29$ ; $\chi^2 = 46.09$ , $df = 13$ ( $P < 0.0001$ ); $I^2 = 72\%$ |  |  |  |  |  |  |  |  |  | Test for overall effect: $Z = 12.44$ ( $P < 0.00001$ ) |  |  |  |  |  |  |  |  |  | Test for subgroup differences: $\chi^2 = 12.47$ , $df = 1$ ( $P = 0.0004$ ), $I^2 = 92.0\%$ |  |  |  |  |  |  |  |  |  | MD=-3.89 [-4.34, -3.43] | 严重 | 不严重 | 不严重 | 严重  | 不严重 | ⊕⊕○○<br>C级 |
| Study or Subgroup                                                                            | Experimental Mean | SD   | Total | Control Mean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SD   | Total | Weight | Mean Difference IV, Random, 95% CI | Mean Difference IV, Random, 95% CI |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 1.2.1 NIHSS                                                                                  |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| 吕晓澄2017                                                                                      | 16.32             | 2.56 | 42    | 19.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3.31 | 42    | 9.1%   | -3.43 [-4.70, -2.16]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 王小平2017                                                                                      | 9.81              | 1.94 | 41    | 13.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.38 | 41    | 10.2%  | -3.52 [-4.46, -2.58]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 谭玲2021                                                                                       | 10.16             | 1.38 | 44    | 14.27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.38 | 44    | 11.3%  | -4.11 [-4.69, -3.53]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 贺占海2017                                                                                      | 3.73              | 1.04 | 43    | 6.59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.53 | 43    |        | Not estimable                      |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 黄美娟2011                                                                                      | 9.8               | 4.4  | 26    | 13.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6.2  | 26    | 4.4%   | -4.10 [-7.02, -1.18]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| Subtotal (95% CI)                                                                            |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |       |        | 153                                | 35.1%                              | -3.89 [-4.34, -3.43] |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| Heterogeneity: $\tau^2 = 0.00$ ; $\chi^2 = 1.68$ , $df = 3$ ( $P = 0.64$ ); $I^2 = 0\%$      |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Test for overall effect: $Z = 16.83$ ( $P < 0.00001$ )                                       |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| 1.2.2 CSS                                                                                    |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| 于文超2013                                                                                      | 8.32              | 2.51 | 40    | 14.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.74 | 38    | 10.2%  | -5.79 [-6.74, -4.84]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 刘保夫2014                                                                                      | 22.05             | 6.5  | 50    | 24.36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7.11 | 50    | 4.9%   | -2.31 [-4.98, 0.36]                |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 刘文雷2010                                                                                      | 8.4               | 4.3  | 50    | 14.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2.1  | 50    | 8.9%   | -6.10 [-7.43, -4.77]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 夏友华2011                                                                                      | 14.6              | 3.31 | 16    | 18.02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4.38 | 14    | 4.7%   | -3.42 [-6.23, -0.61]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 席展英2012                                                                                      | 13.17             | 5.23 | 62    | 18.63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6.26 | 62    | 6.6%   | -5.46 [-7.49, -3.43]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 席金荣2012                                                                                      | 14.23             | 4.97 | 75    | 20.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7.88 | 75    | 6.4%   | -5.88 [-7.99, -3.77]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 张俊2008                                                                                       | 7.74              | 3.3  | 80    | 14.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5.23 | 80    | 8.8%   | -7.16 [-8.52, -5.80]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 李永亮2012                                                                                      | 6.12              | 4.7  | 38    | 12.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7.76 | 38    | 4.5%   | -6.52 [-9.40, -3.64]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 张群2011                                                                                       | 11.04             | 6.47 | 60    | 14.85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7.26 | 60    | 5.4%   | -3.81 [-6.27, -1.35]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 靳明霞2009                                                                                      | 12                | 7    | 50    | 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8    | 54    | 4.5%   | -7.00 [-9.88, -4.12]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| Subtotal (95% CI)                                                                            |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |       |        | 521                                |                                    | 64.9%                | -5.59 [-6.42, -4.76] |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| Heterogeneity: $\tau^2 = 0.75$ ; $\chi^2 = 16.91$ , $df = 9$ ( $P = 0.05$ ); $I^2 = 47\%$    |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Test for overall effect: $Z = 13.20$ ( $P < 0.00001$ )                                       |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Total (95% CI)                                                                               |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |       |        | 674                                | 100.0%                             | -4.91 [-5.68, -4.13] |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| Heterogeneity: $\tau^2 = 1.29$ ; $\chi^2 = 46.09$ , $df = 13$ ( $P < 0.0001$ ); $I^2 = 72\%$ |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Test for overall effect: $Z = 12.44$ ( $P < 0.00001$ )                                       |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Test for subgroup differences: $\chi^2 = 12.47$ , $df = 1$ ( $P = 0.0004$ ), $I^2 = 92.0\%$  |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| 神经功能缺损 (CSS评分)                                                                               |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| 10                                                                                           | RCT               | 521  | 521   | <table><thead><tr><th>Study or Subgroup</th><th>Experimental Mean</th><th>SD</th><th>Total</th><th>Control Mean</th><th>SD</th><th>Total</th><th>Weight</th><th>Mean Difference IV, Random, 95% CI</th><th>Mean Difference IV, Random, 95% CI</th></tr></thead><tbody><tr><td colspan="10">1.2.1 NIHSS</td></tr><tr><td>吕晓澄2017</td><td>16.32</td><td>2.56</td><td>42</td><td>19.75</td><td>3.31</td><td>42</td><td>9.1%</td><td>-3.43 [-4.70, -2.16]</td><td rowspan="5"></td></tr><tr><td>王小平2017</td><td>9.81</td><td>1.94</td><td>41</td><td>13.33</td><td>2.38</td><td>41</td><td>10.2%</td><td>-3.52 [-4.46, -2.58]</td></tr><tr><td>谭玲2021</td><td>10.16</td><td>1.38</td><td>44</td><td>14.27</td><td>1.38</td><td>44</td><td>11.3%</td><td>-4.11 [-4.69, -3.53]</td></tr><tr><td>贺占海2017</td><td>3.73</td><td>1.04</td><td>43</td><td>6.59</td><td>1.53</td><td>43</td><td></td><td>Not estimable</td></tr><tr><td>黄美娟2011</td><td>9.8</td><td>4.4</td><td>26</td><td>13.9</td><td>6.2</td><td>26</td><td>4.4%</td><td>-4.10 [-7.02, -1.18]</td></tr><tr><td colspan="8">Subtotal (95% CI)</td><td>153</td><td>35.1%</td><td>-3.89 [-4.34, -3.43]</td></tr><tr><td colspan="10">Heterogeneity: <math>\tau^2 = 0.00</math>; <math>\chi^2 = 1.68</math>, <math>df = 3</math> (<math>P = 0.64</math>); <math>I^2 = 0\%</math></td></tr><tr><td colspan="10">Test for overall effect: <math>Z = 16.83</math> (<math>P &lt; 0.00001</math>)</td></tr><tr><td colspan="10">1.2.2 CSS</td></tr><tr><td>于文超2013</td><td>8.32</td><td>2.51</td><td>40</td><td>14.11</td><td>1.74</td><td>38</td><td>10.2%</td><td>-5.79 [-6.74, -4.84]</td><td rowspan="11"></td></tr><tr><td>刘保夫2014</td><td>22.05</td><td>6.5</td><td>50</td><td>24.36</td><td>7.11</td><td>50</td><td>4.9%</td><td>-2.31 [-4.98, 0.36]</td></tr><tr><td>刘文雷2010</td><td>8.4</td><td>4.3</td><td>50</td><td>14.5</td><td>2.1</td><td>50</td><td>8.9%</td><td>-6.10 [-7.43, -4.77]</td></tr><tr><td>夏友华2011</td><td>14.6</td><td>3.31</td><td>16</td><td>18.02</td><td>4.38</td><td>14</td><td>4.7%</td><td>-3.42 [-6.23, -0.61]</td></tr><tr><td>席展英2012</td><td>13.17</td><td>5.23</td><td>62</td><td>18.63</td><td>6.26</td><td>62</td><td>6.6%</td><td>-5.46 [-7.49, -3.43]</td></tr><tr><td>席金荣2012</td><td>14.23</td><td>4.97</td><td>75</td><td>20.11</td><td>7.88</td><td>75</td><td>6.4%</td><td>-5.88 [-7.99, -3.77]</td></tr><tr><td>张俊2008</td><td>7.74</td><td>3.3</td><td>80</td><td>14.9</td><td>5.23</td><td>80</td><td>8.8%</td><td>-7.16 [-8.52, -5.80]</td></tr><tr><td>李永亮2012</td><td>6.12</td><td>4.7</td><td>38</td><td>12.64</td><td>7.76</td><td>38</td><td>4.5%</td><td>-6.52 [-9.40, -3.64]</td></tr><tr><td>张群2011</td><td>11.04</td><td>6.47</td><td>60</td><td>14.85</td><td>7.26</td><td>60</td><td>5.4%</td><td>-3.81 [-6.27, -1.35]</td></tr><tr><td>靳明霞2009</td><td>12</td><td>7</td><td>50</td><td>19</td><td>8</td><td>54</td><td>4.5%</td><td>-7.00 [-9.88, -4.12]</td></tr><tr><td colspan="8">Subtotal (95% CI)</td><td>521</td><td>64.9%</td><td>-5.59 [-6.42, -4.76]</td></tr><tr><td colspan="10">Heterogeneity: <math>\tau^2 = 0.75</math>; <math>\chi^2 = 16.91</math>, <math>df = 9</math> (<math>P = 0.05</math>); <math>I^2 = 47\%</math></td></tr><tr><td colspan="10">Test for overall effect: <math>Z = 13.20</math> (<math>P &lt; 0.00001</math>)</td></tr><tr><td colspan="8">Total (95% CI)</td><td>674</td><td>100.0%</td><td>-4.91 [-5.68, -4.13]</td></tr><tr><td colspan="10">Heterogeneity: <math>\tau^2 = 1.29</math>; <math>\chi^2 = 46.09</math>, <math>df = 13</math> (<math>P &lt; 0.0001</math>); <math>I^2 = 72\%</math></td></tr><tr><td colspan="10">Test for overall effect: <math>Z = 12.44</math> (<math>P &lt; 0.00001</math>)</td></tr><tr><td colspan="10">Test for subgroup differences: <math>\chi^2 = 12.47</math>, <math>df = 1</math> (<math>P = 0.0004</math>), <math>I^2 = 92.0\%</math></td></tr></tbody></table> <td>MD=-5.59 [-6.42, -4.76]</td> <td>严重</td> <td>严重</td> <td>不严重</td> <td>不严重</td> <td>不严重</td> <td>⊕⊕○○<br/>C级</td> |      |       |        |                                    | Study or Subgroup                  | Experimental Mean    | SD                   | Total | Control Mean | SD   | Total | Weight | Mean Difference IV, Random, 95% CI | Mean Difference IV, Random, 95% CI | 1.2.1 NIHSS |  |  |  |  |  |  |  |  |  | 吕晓澄2017 | 16.32 | 2.56 | 42 | 19.75 | 3.31 | 42 | 9.1% | -3.43 [-4.70, -2.16] |  | 王小平2017 | 9.81 | 1.94 | 41 | 13.33 | 2.38 | 41 | 10.2% | -3.52 [-4.46, -2.58] | 谭玲2021 | 10.16 | 1.38 | 44 | 14.27 | 1.38 | 44 | 11.3% | -4.11 [-4.69, -3.53] | 贺占海2017 | 3.73 | 1.04 | 43 | 6.59 | 1.53 | 43 |  | Not estimable | 黄美娟2011 | 9.8 | 4.4 | 26 | 13.9 | 6.2 | 26 | 4.4% | -4.10 [-7.02, -1.18] | Subtotal (95% CI) |  |  |  |  |  |  |  | 153 | 35.1% | -3.89 [-4.34, -3.43] | Heterogeneity: $\tau^2 = 0.00$ ; $\chi^2 = 1.68$ , $df = 3$ ( $P = 0.64$ ); $I^2 = 0\%$ |  |  |  |  |  |  |  |  |  | Test for overall effect: $Z = 16.83$ ( $P < 0.00001$ ) |  |  |  |  |  |  |  |  |  | 1.2.2 CSS |  |  |  |  |  |  |  |  |  | 于文超2013 | 8.32 | 2.51 | 40 | 14.11 | 1.74 | 38 | 10.2% | -5.79 [-6.74, -4.84] |  | 刘保夫2014 | 22.05 | 6.5 | 50 | 24.36 | 7.11 | 50 | 4.9% | -2.31 [-4.98, 0.36] | 刘文雷2010 | 8.4 | 4.3 | 50 | 14.5 | 2.1 | 50 | 8.9% | -6.10 [-7.43, -4.77] | 夏友华2011 | 14.6 | 3.31 | 16 | 18.02 | 4.38 | 14 | 4.7% | -3.42 [-6.23, -0.61] | 席展英2012 | 13.17 | 5.23 | 62 | 18.63 | 6.26 | 62 | 6.6% | -5.46 [-7.49, -3.43] | 席金荣2012 | 14.23 | 4.97 | 75 | 20.11 | 7.88 | 75 | 6.4% | -5.88 [-7.99, -3.77] | 张俊2008 | 7.74 | 3.3 | 80 | 14.9 | 5.23 | 80 | 8.8% | -7.16 [-8.52, -5.80] | 李永亮2012 | 6.12 | 4.7 | 38 | 12.64 | 7.76 | 38 | 4.5% | -6.52 [-9.40, -3.64] | 张群2011 | 11.04 | 6.47 | 60 | 14.85 | 7.26 | 60 | 5.4% | -3.81 [-6.27, -1.35] | 靳明霞2009 | 12 | 7 | 50 | 19 | 8 | 54 | 4.5% | -7.00 [-9.88, -4.12] | Subtotal (95% CI) |  |  |  |  |  |  |  | 521 | 64.9% | -5.59 [-6.42, -4.76] | Heterogeneity: $\tau^2 = 0.75$ ; $\chi^2 = 16.91$ , $df = 9$ ( $P = 0.05$ ); $I^2 = 47\%$ |  |  |  |  |  |  |  |  |  | Test for overall effect: $Z = 13.20$ ( $P < 0.00001$ ) |  |  |  |  |  |  |  |  |  | Total (95% CI) |  |  |  |  |  |  |  | 674 | 100.0% | -4.91 [-5.68, -4.13] | Heterogeneity: $\tau^2 = 1.29$ ; $\chi^2 = 46.09$ , $df = 13$ ( $P < 0.0001$ ); $I^2 = 72\%$ |  |  |  |  |  |  |  |  |  | Test for overall effect: $Z = 12.44$ ( $P < 0.00001$ ) |  |  |  |  |  |  |  |  |  | Test for subgroup differences: $\chi^2 = 12.47$ , $df = 1$ ( $P = 0.0004$ ), $I^2 = 92.0\%$ |  |  |  |  |  |  |  |  |  | MD=-5.59 [-6.42, -4.76] | 严重 | 严重  | 不严重 | 不严重 | 不严重 | ⊕⊕○○<br>C级 |
| Study or Subgroup                                                                            | Experimental Mean | SD   | Total | Control Mean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SD   | Total | Weight | Mean Difference IV, Random, 95% CI | Mean Difference IV, Random, 95% CI |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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           |  |  |  |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |     |        |                      |                                                                                              |  |  |  |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |  |  |  |                                                                                             |  |  |  |  |  |  |  |  |  |                         |    |     |     |     |     |            |
| 1.2.1 NIHSS                                                                                  |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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|  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |         |      |      |    |       |      |    |       |                      |  |         |       |     |    |       |      |    |      |                     |         |     |     |    |      |     |    |      |                      |         |      |      |    |       |      |    |      |                      |         |       |      |    |       |      |    |      |                      |         |       |      |    |       |      |    |      |                      |        |      |     |    |      |      |    |      |                      |         |      |     |    |       |      |    |      |                      |        |       |      |    |       |      |    |      |                      |         |    |   |    |    |   |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                           |  |  |  |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |     |        |                      |                                                                                              |  |  |  |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |  |  |  |                                                                                             |  |  |  |  |  |  |  |  |  |                         |    |     |     |     |     |            |
| 吕晓澄2017                                                                                      | 16.32             | 2.56 | 42    | 19.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3.31 | 42    | 9.1%   | -3.43 [-4.70, -2.16]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 王小平2017                                                                                      | 9.81              | 1.94 | 41    | 13.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.38 | 41    | 10.2%  | -3.52 [-4.46, -2.58]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 谭玲2021                                                                                       | 10.16             | 1.38 | 44    | 14.27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.38 | 44    | 11.3%  | -4.11 [-4.69, -3.53]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 贺占海2017                                                                                      | 3.73              | 1.04 | 43    | 6.59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.53 | 43    |        | Not estimable                      |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 黄美娟2011                                                                                      | 9.8               | 4.4  | 26    | 13.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6.2  | 26    | 4.4%   | -4.10 [-7.02, -1.18]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| Subtotal (95% CI)                                                                            |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |       |        | 153                                | 35.1%                              | -3.89 [-4.34, -3.43] |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| Heterogeneity: $\tau^2 = 0.00$ ; $\chi^2 = 1.68$ , $df = 3$ ( $P = 0.64$ ); $I^2 = 0\%$      |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Test for overall effect: $Z = 16.83$ ( $P < 0.00001$ )                                       |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| 1.2.2 CSS                                                                                    |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| 于文超2013                                                                                      | 8.32              | 2.51 | 40    | 14.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.74 | 38    | 10.2%  | -5.79 [-6.74, -4.84]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 刘保夫2014                                                                                      | 22.05             | 6.5  | 50    | 24.36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7.11 | 50    | 4.9%   | -2.31 [-4.98, 0.36]                |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 刘文雷2010                                                                                      | 8.4               | 4.3  | 50    | 14.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2.1  | 50    | 8.9%   | -6.10 [-7.43, -4.77]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 夏友华2011                                                                                      | 14.6              | 3.31 | 16    | 18.02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4.38 | 14    | 4.7%   | -3.42 [-6.23, -0.61]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 席展英2012                                                                                      | 13.17             | 5.23 | 62    | 18.63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6.26 | 62    | 6.6%   | -5.46 [-7.49, -3.43]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 席金荣2012                                                                                      | 14.23             | 4.97 | 75    | 20.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7.88 | 75    | 6.4%   | -5.88 [-7.99, -3.77]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 张俊2008                                                                                       | 7.74              | 3.3  | 80    | 14.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5.23 | 80    | 8.8%   | -7.16 [-8.52, -5.80]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 李永亮2012                                                                                      | 6.12              | 4.7  | 38    | 12.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7.76 | 38    | 4.5%   | -6.52 [-9.40, -3.64]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 张群2011                                                                                       | 11.04             | 6.47 | 60    | 14.85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7.26 | 60    | 5.4%   | -3.81 [-6.27, -1.35]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| 靳明霞2009                                                                                      | 12                | 7    | 50    | 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8    | 54    | 4.5%   | -7.00 [-9.88, -4.12]               |                                    |                      |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| Subtotal (95% CI)                                                                            |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |       |        | 521                                |                                    | 64.9%                | -5.59 [-6.42, -4.76] |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| Heterogeneity: $\tau^2 = 0.75$ ; $\chi^2 = 16.91$ , $df = 9$ ( $P = 0.05$ ); $I^2 = 47\%$    |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Test for overall effect: $Z = 13.20$ ( $P < 0.00001$ )                                       |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Total (95% CI)                                                                               |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |       |        | 674                                | 100.0%                             | -4.91 [-5.68, -4.13] |                      |       |              |      |       |        |                                    |                                    |             |  |  |  |  |  |  |  |  |  |         |       |      |    |       |      |    |      |                      |  |         |      |      |    |       |      |    |       |                      |        |       |      |    |       |      |    |       |                      |         |      |      |    |      |      |    |  |               |         |     |     |    |      |     |    |      |                      |                   |  |  |  |  |  |  |  |     |       |                      |                                                                                         |  |  |  |  |  |  |  |  |  |                                                        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| Heterogeneity: $\tau^2 = 1.29$ ; $\chi^2 = 46.09$ , $df = 13$ ( $P < 0.0001$ ); $I^2 = 72\%$ |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Test for overall effect: $Z = 12.44$ ( $P < 0.00001$ )                                       |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Test for subgroup differences: $\chi^2 = 12.47$ , $df = 1$ ( $P = 0.0004$ ), $I^2 = 92.0\%$  |                   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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参考文献:

[1]赵佳源,王小玲,王小芳等. 疏血通注射液治疗进展性卒中有效性的 Meta 分析及 GRADE 证据质量评价[J]. 中国中药杂志, 2022, 47 (03) :807-818.

| 共识问题                          | P（研究对象）                                         | I（干预措施）           | C（对照措施） | O（结局指标）                |
|-------------------------------|-------------------------------------------------|-------------------|---------|------------------------|
| 疏血通注射液对脑梗死急性期患者日常生活能力的改善作用如何？ | 进展性卒中患者                                         | 疏血通注射液+<br>西医常规治疗 | 西医常规治疗  | 关键结局指标：日常生活活动能力量表（ADL） |
| 研究类型及数量                       | 4项RCT                                           |                   |         |                        |
| 效应值及可信区间                      | MD=12.02，95%CI[10.31，13.72]，P<0.00001           |                   |         |                        |
| 证据等级                          | B级证据                                            |                   |         |                        |
| 是否升级或降级                       | 降级                                              |                   |         |                        |
| 升级或降级因素                       | 严重偏倚风险                                          |                   |         |                        |
| 结论                            | 脑梗死急性期表现为进展性卒中的患者，在常规治疗基础上联用疏血通注射液，可提高日常生活活动能力。 |                   |         |                        |

| 概况                |              | 样本量   |       | 效果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |       |        | 质量评价              |                 |                |     |         | 证据质量 |      |        |                 |  |      |    |       |      |    |       |                   |         |      |     |    |      |     |    |       |       |               |         |       |       |    |       |       |    |       |      |               |        |       |      |    |       |      |    |  |               |  |         |       |      |    |      |      |    |       |       |                |        |       |       |    |       |       |    |      |       |               |                |  |  |     |  |  |  |     |        |       |                |  |  |                               |    |     |     |     |     |            |
|-------------------|--------------|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|--------|-------------------|-----------------|----------------|-----|---------|------|------|--------|-----------------|--|------|----|-------|------|----|-------|-------------------|---------|------|-----|----|------|-----|----|-------|-------|---------------|---------|-------|-------|----|-------|-------|----|-------|------|---------------|--------|-------|------|----|-------|------|----|--|---------------|--|---------|-------|------|----|------|------|----|-------|-------|----------------|--------|-------|-------|----|-------|-------|----|------|-------|---------------|----------------|--|--|-----|--|--|--|-----|--------|-------|----------------|--|--|-------------------------------|----|-----|-----|-----|-----|------------|
| 数量                | 研究设计         | 干预组   | 对照组   | Meta分析结果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |       |        | 95%可信区间           | 偏倚风险            | 不一致性           | 间接性 | 不精确性    |      | 其他偏倚 |        |                 |  |      |    |       |      |    |       |                   |         |      |     |    |      |     |    |       |       |               |         |       |       |    |       |       |    |       |      |               |        |       |      |    |       |      |    |  |               |  |         |       |      |    |      |      |    |       |       |                |        |       |       |    |       |       |    |      |       |               |                |  |  |     |  |  |  |     |        |       |                |  |  |                               |    |     |     |     |     |            |
| 日常生活活动能力（ADL评分）   |              |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       |        |                   |                 |                |     |         |      |      |        |                 |  |      |    |       |      |    |       |                   |         |      |     |    |      |     |    |       |       |               |         |       |       |    |       |       |    |       |      |               |        |       |      |    |       |      |    |  |               |  |         |       |      |    |      |      |    |       |       |                |        |       |       |    |       |       |    |      |       |               |                |  |  |     |  |  |  |     |        |       |                |  |  |                               |    |     |     |     |     |            |
| 4                 | RCT          | 213   | 213   | <table><thead><tr><th rowspan="2">Study or Subgroup</th><th colspan="3">Experimental</th><th colspan="3">Control</th><th rowspan="2">Weight</th><th colspan="2">Mean Difference</th></tr><tr><th>Mean</th><th>SD</th><th>Total</th><th>Mean</th><th>SD</th><th>Total</th><th>IV, Fixed, 95% CI</th></tr></thead><tbody><tr><td>李亚楠2016</td><td>76.4</td><td>6.5</td><td>40</td><td>64.5</td><td>6.1</td><td>40</td><td>38.0%</td><td>11.90</td><td>[9.14, 14.66]</td></tr><tr><td>王小平2017</td><td>62.46</td><td>11.16</td><td>41</td><td>53.25</td><td>10.72</td><td>41</td><td>12.9%</td><td>9.21</td><td>[4.47, 13.95]</td></tr><tr><td>崔政2021</td><td>52.29</td><td>7.34</td><td>44</td><td>47.38</td><td>6.35</td><td>44</td><td></td><td colspan="2">Not estimable</td></tr><tr><td>贺占海2017</td><td>64.32</td><td>7.18</td><td>43</td><td>51.2</td><td>4.69</td><td>43</td><td>44.2%</td><td>13.12</td><td>[10.56, 15.68]</td></tr><tr><td>郭宇2014</td><td>68.25</td><td>27.18</td><td>89</td><td>57.84</td><td>25.34</td><td>89</td><td>4.9%</td><td>10.41</td><td>[2.69, 18.13]</td></tr><tr><td colspan="3">Total (95% CI)</td><td>213</td><td colspan="3"></td><td>213</td><td>100.0%</td><td>12.02</td><td>[10.31, 13.72]</td></tr></tbody></table> |       |       |        | Study or Subgroup | Experimental    |                |     | Control |      |      | Weight | Mean Difference |  | Mean | SD | Total | Mean | SD | Total | IV, Fixed, 95% CI | 李亚楠2016 | 76.4 | 6.5 | 40 | 64.5 | 6.1 | 40 | 38.0% | 11.90 | [9.14, 14.66] | 王小平2017 | 62.46 | 11.16 | 41 | 53.25 | 10.72 | 41 | 12.9% | 9.21 | [4.47, 13.95] | 崔政2021 | 52.29 | 7.34 | 44 | 47.38 | 6.35 | 44 |  | Not estimable |  | 贺占海2017 | 64.32 | 7.18 | 43 | 51.2 | 4.69 | 43 | 44.2% | 13.12 | [10.56, 15.68] | 郭宇2014 | 68.25 | 27.18 | 89 | 57.84 | 25.34 | 89 | 4.9% | 10.41 | [2.69, 18.13] | Total (95% CI) |  |  | 213 |  |  |  | 213 | 100.0% | 12.02 | [10.31, 13.72] |  |  | MD=12.02<br>[10.31,<br>13.72] | 严重 | 不严重 | 不严重 | 不严重 | 不严重 | ⊕⊕⊕○<br>B级 |
| Study or Subgroup | Experimental |       |       | Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |       | Weight |                   | Mean Difference |                |     |         |      |      |        |                 |  |      |    |       |      |    |       |                   |         |      |     |    |      |     |    |       |       |               |         |       |       |    |       |       |    |       |      |               |        |       |      |    |       |      |    |  |               |  |         |       |      |    |      |      |    |       |       |                |        |       |       |    |       |       |    |      |       |               |                |  |  |     |  |  |  |     |        |       |                |  |  |                               |    |     |     |     |     |            |
|                   | Mean         | SD    | Total | Mean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SD    | Total |        | IV, Fixed, 95% CI |                 |                |     |         |      |      |        |                 |  |      |    |       |      |    |       |                   |         |      |     |    |      |     |    |       |       |               |         |       |       |    |       |       |    |       |      |               |        |       |      |    |       |      |    |  |               |  |         |       |      |    |      |      |    |       |       |                |        |       |       |    |       |       |    |      |       |               |                |  |  |     |  |  |  |     |        |       |                |  |  |                               |    |     |     |     |     |            |
| 李亚楠2016           | 76.4         | 6.5   | 40    | 64.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6.1   | 40    | 38.0%  | 11.90             | [9.14, 14.66]   |                |     |         |      |      |        |                 |  |      |    |       |      |    |       |                   |         |      |     |    |      |     |    |       |       |               |         |       |       |    |       |       |    |       |      |               |        |       |      |    |       |      |    |  |               |  |         |       |      |    |      |      |    |       |       |                |        |       |       |    |       |       |    |      |       |               |                |  |  |     |  |  |  |     |        |       |                |  |  |                               |    |     |     |     |     |            |
| 王小平2017           | 62.46        | 11.16 | 41    | 53.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10.72 | 41    | 12.9%  | 9.21              | [4.47, 13.95]   |                |     |         |      |      |        |                 |  |      |    |       |      |    |       |                   |         |      |     |    |      |     |    |       |       |               |         |       |       |    |       |       |    |       |      |               |        |       |      |    |       |      |    |  |               |  |         |       |      |    |      |      |    |       |       |                |        |       |       |    |       |       |    |      |       |               |                |  |  |     |  |  |  |     |        |       |                |  |  |                               |    |     |     |     |     |            |
| 崔政2021            | 52.29        | 7.34  | 44    | 47.38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6.35  | 44    |        | Not estimable     |                 |                |     |         |      |      |        |                 |  |      |    |       |      |    |       |                   |         |      |     |    |      |     |    |       |       |               |         |       |       |    |       |       |    |       |      |               |        |       |      |    |       |      |    |  |               |  |         |       |      |    |      |      |    |       |       |                |        |       |       |    |       |       |    |      |       |               |                |  |  |     |  |  |  |     |        |       |                |  |  |                               |    |     |     |     |     |            |
| 贺占海2017           | 64.32        | 7.18  | 43    | 51.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4.69  | 43    | 44.2%  | 13.12             | [10.56, 15.68]  |                |     |         |      |      |        |                 |  |      |    |       |      |    |       |                   |         |      |     |    |      |     |    |       |       |               |         |       |       |    |       |       |    |       |      |               |        |       |      |    |       |      |    |  |               |  |         |       |      |    |      |      |    |       |       |                |        |       |       |    |       |       |    |      |       |               |                |  |  |     |  |  |  |     |        |       |                |  |  |                               |    |     |     |     |     |            |
| 郭宇2014            | 68.25        | 27.18 | 89    | 57.84                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 25.34 | 89    | 4.9%   | 10.41             | [2.69, 18.13]   |                |     |         |      |      |        |                 |  |      |    |       |      |    |       |                   |         |      |     |    |      |     |    |       |       |               |         |       |       |    |       |       |    |       |      |               |        |       |      |    |       |      |    |  |               |  |         |       |      |    |      |      |    |       |       |                |        |       |       |    |       |       |    |      |       |               |                |  |  |     |  |  |  |     |        |       |                |  |  |                               |    |     |     |     |     |            |
| Total (95% CI)    |              |       | 213   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       | 213    | 100.0%            | 12.02           | [10.31, 13.72] |     |         |      |      |        |                 |  |      |    |       |      |    |       |                   |         |      |     |    |      |     |    |       |       |               |         |       |       |    |       |       |    |       |      |               |        |       |      |    |       |      |    |  |               |  |         |       |      |    |      |      |    |       |       |                |        |       |       |    |       |       |    |      |       |               |                |  |  |     |  |  |  |     |        |       |                |  |  |                               |    |     |     |     |     |            |
|                   |              |       |       | Heterogeneity: Chi <sup>2</sup> = 2.23, df = 3 (P = 0.53); I <sup>2</sup> = 0%<br>Test for overall effect: Z = 13.83 (P < 0.00001)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |       |        |                   |                 |                |     |         |      |      |        |                 |  |      |    |       |      |    |       |                   |         |      |     |    |      |     |    |       |       |               |         |       |       |    |       |       |    |       |      |               |        |       |      |    |       |      |    |  |               |  |         |       |      |    |      |      |    |       |       |                |        |       |       |    |       |       |    |      |       |               |                |  |  |     |  |  |  |     |        |       |                |  |  |                               |    |     |     |     |     |            |

参考文献:

[1]赵佳源, 王小玲, 王小芳等. 疏血通注射液治疗进展性卒中有效性的 Meta 分析及 GRADE 证据质量评价[J]. 中国中药杂志, 2022, 47 (03) :807-818.

**B. 6. 2 疏血通注射液在辨证治疗缺血性中风病时，适用于具有哪类中医证候特点的患者？对血瘀证的改善程度是否优于其他证候要素？**

| 共识问题                                                     | P（研究对象）                                                                                 | I（干预措施）       | C（对照措施） | O（结局指标）                          |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------|---------|----------------------------------|
| 疏血通注射液在辨证治疗缺血性中风病时，适用于具有哪类中医证候特点的患者？对血瘀证的改善程度是否优于其他证候要素？ | 缺血性中风病急性期血瘀证患者                                                                          | 疏血通注射液+西医常规治疗 | 西医常规治疗  | 关键结局指标：神经功能：NIHSS、临床疗效（NIHSS减分率） |
| 研究类型及数量                                                  | 1项RCT                                                                                   |               |         |                                  |
| 效应值及可信区间                                                 | ①MD=-3.68，95%CI[-5.17，-2.19]，P<0.00001<br>②RR=1.34，95%CI[1.10，1.64]，P=0.003             |               |         |                                  |
| 证据等级                                                     | D级证据                                                                                    |               |         |                                  |
| 是否升级或降级                                                  | 降级                                                                                      |               |         |                                  |
| 升级或降级因素                                                  | 严重偏倚风险、严重不一致性、严重间接性、严重精确性                                                               |               |         |                                  |
| 结论                                                       | 血瘀是贯穿缺血性中风病始终的基本病机，活血化瘀是缺血性中风的有效治疗方法，疏血通注射液的主要功效是活血化瘀；根据患者证候特点，针对其他证候要素进行综合辨治可以进一步改善预后。 |               |         |                                  |

| 概况                                              |              | 样本量   |          | 效果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |                    |                      | 质量评价              |              |      |          |      | 证据质量   |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
|-------------------------------------------------|--------------|-------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------|--------------------|----------------------|-------------------|--------------|------|----------|------|--------|-----------------|--|--------|-------|--------|-------|--------------------|--------------------|----------|------|------|----|-------|--------|-------------------|----------------|----------------------|----------------|----|--|----|-------------------|--------------|----|--------|----------------------|-------------------------------|--|--|-------------------------------|--|--|--|--|--|-------------------------------------------------|-----------------------------------------------|--|--|--|--|--|--|------------------------|---------------------------|----|----|----|-----|------------|------------|
| 数量                                              | 研究设计         | 干预组   | 对照组      | Meta分析结果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |                    |                    |                      | 95%可信区间           | 偏倚风险         | 不一致性 | 间接性      | 不精确性 |        | 其他偏倚            |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
| 神经功能缺损 (NIHSS评分)                                |              |       |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |                    |                    |                      |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
| 1                                               | RCT          | 40    | 40       | <table><thead><tr><th rowspan="2">Study or Subgroup</th><th colspan="2">常规+奥扎格雷钠+疏电通</th><th colspan="2">常规+奥扎格雷钠</th><th rowspan="2">Weight</th><th colspan="2">Mean Difference</th></tr><tr><th>Mean</th><th>SD</th><th>Mean</th><th>SD</th><th>IV, Fixed, 95% CI</th><th>IV, Fixed, 95% CI</th></tr></thead><tbody><tr><td>李宝珍 2017</td><td>8.87</td><td>2.39</td><td>40</td><td>12.55</td><td>4.16</td><td>40</td><td>100.0%</td><td>-3.68 [-5.17, -2.19]</td></tr><tr><td colspan="2">Total (95% CI)</td><td></td><td>40</td><td></td><td></td><td>40</td><td>100.0%</td><td>-3.68 [-5.17, -2.19]</td></tr><tr><td colspan="9">Heterogeneity: Not applicable</td></tr><tr><td colspan="9">Test for overall effect: Z = 4.85 (P &lt; 0.00001)</td></tr></tbody></table>                                |        |                    |                    |                      | Study or Subgroup | 常规+奥扎格雷钠+疏电通 |      | 常规+奥扎格雷钠 |      | Weight | Mean Difference |  | Mean   | SD    | Mean   | SD    | IV, Fixed, 95% CI  | IV, Fixed, 95% CI  | 李宝珍 2017 | 8.87 | 2.39 | 40 | 12.55 | 4.16   | 40                | 100.0%         | -3.68 [-5.17, -2.19] | Total (95% CI) |    |  | 40 |                   |              | 40 | 100.0% | -3.68 [-5.17, -2.19] | Heterogeneity: Not applicable |  |  |                               |  |  |  |  |  | Test for overall effect: Z = 4.85 (P < 0.00001) |                                               |  |  |  |  |  |  |                        | MD=-3.68<br>[-5.17,-2.19] | 严重 | 严重 | 严重 | 严重  | 不严重        | ⊕○○○<br>D级 |
| Study or Subgroup                               | 常规+奥扎格雷钠+疏电通 |       | 常规+奥扎格雷钠 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Weight | Mean Difference    |                    |                      |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
|                                                 | Mean         | SD    | Mean     | SD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        | IV, Fixed, 95% CI  | IV, Fixed, 95% CI  |                      |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
| 李宝珍 2017                                        | 8.87         | 2.39  | 40       | 12.55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4.16   | 40                 | 100.0%             | -3.68 [-5.17, -2.19] |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
| Total (95% CI)                                  |              |       | 40       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        | 40                 | 100.0%             | -3.68 [-5.17, -2.19] |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
| Heterogeneity: Not applicable                   |              |       |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |                    |                    |                      |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
| Test for overall effect: Z = 4.85 (P < 0.00001) |              |       |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |                    |                    |                      |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
| 临床疗效 (NIHSS疗效)                                  |              |       |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |                    |                    |                      |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
| 1                                               | RCT          | 40    | 40       | <table><thead><tr><th rowspan="2">Study or Subgroup</th><th colspan="2">Experimental</th><th colspan="2">Control</th><th rowspan="2">Weight</th><th colspan="2">Risk Ratio</th></tr><tr><th>Events</th><th>Total</th><th>Events</th><th>Total</th><th>M-H, Fixed, 95% CI</th><th>M-H, Fixed, 95% CI</th></tr></thead><tbody><tr><td>李宝珍 2017</td><td>39</td><td>40</td><td>29</td><td>40</td><td>100.0%</td><td>1.34 [1.10, 1.64]</td></tr><tr><td colspan="2">Total (95% CI)</td><td></td><td>40</td><td></td><td>40</td><td>1.34 [1.10, 1.64]</td></tr><tr><td colspan="2">Total events</td><td>39</td><td></td><td>29</td><td></td><td></td></tr><tr><td colspan="7">Heterogeneity: Not applicable</td></tr><tr><td colspan="7">Test for overall effect: Z = 2.94 (P = 0.003)</td></tr></tbody></table> |        |                    |                    |                      | Study or Subgroup | Experimental |      | Control  |      | Weight | Risk Ratio      |  | Events | Total | Events | Total | M-H, Fixed, 95% CI | M-H, Fixed, 95% CI | 李宝珍 2017 | 39   | 40   | 29 | 40    | 100.0% | 1.34 [1.10, 1.64] | Total (95% CI) |                      |                | 40 |  | 40 | 1.34 [1.10, 1.64] | Total events |    | 39     |                      | 29                            |  |  | Heterogeneity: Not applicable |  |  |  |  |  |                                                 | Test for overall effect: Z = 2.94 (P = 0.003) |  |  |  |  |  |  | RR=1.34<br>[1.10,1.64] | 严重                        | 严重 | 严重 | 严重 | 不严重 | ⊕○○○<br>D级 |            |
| Study or Subgroup                               | Experimental |       | Control  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Weight | Risk Ratio         |                    |                      |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
|                                                 | Events       | Total | Events   | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        | M-H, Fixed, 95% CI | M-H, Fixed, 95% CI |                      |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
| 李宝珍 2017                                        | 39           | 40    | 29       | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 100.0% | 1.34 [1.10, 1.64]  |                    |                      |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
| Total (95% CI)                                  |              |       | 40       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 40     | 1.34 [1.10, 1.64]  |                    |                      |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
| Total events                                    |              | 39    |          | 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |                    |                      |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
| Heterogeneity: Not applicable                   |              |       |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |                    |                    |                      |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |
| Test for overall effect: Z = 2.94 (P = 0.003)   |              |       |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |                    |                    |                      |                   |              |      |          |      |        |                 |  |        |       |        |       |                    |                    |          |      |      |    |       |        |                   |                |                      |                |    |  |    |                   |              |    |        |                      |                               |  |  |                               |  |  |  |  |  |                                                 |                                               |  |  |  |  |  |  |                        |                           |    |    |    |     |            |            |

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### B. 6. 3 短暂性脑缺血发作的患者，应用疏血通注射液是否能够降低卒中风险？

| 共识问题                            | P（研究对象）                                                | I（干预措施）       | C（对照措施） | O（结局指标）                      |
|---------------------------------|--------------------------------------------------------|---------------|---------|------------------------------|
| 短暂性脑缺血发作的患者，应用疏血通注射液是否能够降低卒中风险？ | 短暂性脑缺血发作患者                                             | 疏血通注射液+西医常规治疗 | 西医常规治疗  | 关键结局指标：减少TIA患者反复发作TIA症状或卒中转化 |
| 研究类型及数量                         | 6项RCT                                                  |               |         |                              |
| 效应值及可信区间                        | RR=1.20，95%CI[1.11，1.30]，P<0.00001                     |               |         |                              |
| 证据等级                            | C级证据                                                   |               |         |                              |
| 是否升级或降级                         | 降级                                                     |               |         |                              |
| 升级或降级因素                         | 严重偏倚风险、严重间接性                                           |               |         |                              |
| 结论                              | 短暂性脑缺血发作的患者，在常规治疗基础上可以联用疏血通注射液。但需要进一步研究提供降低卒中风险的高级别证据。 |               |         |                              |



| 概况                                                                             |                     | 样本量                |                | 效果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |                               |  | 质量评价              |                     |                    |                |               | 证据质量   |                               |          |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |          |    |    |    |    |       |                   |          |    |    |    |    |       |                   |                       |  |  |  |  |  |                          |              |  |  |  |  |  |         |                                                                                |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |                        |    |     |    |     |     |            |
|--------------------------------------------------------------------------------|---------------------|--------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------|--|-------------------|---------------------|--------------------|----------------|---------------|--------|-------------------------------|----------|----|----|----|----|-------|-------------------|---------|----|----|----|----|-------|-------------------|---------|----|----|----|----|-------|-------------------|---------|----|----|----|----|-------|-------------------|----------|----|----|----|----|-------|-------------------|----------|----|----|----|----|-------|-------------------|-----------------------|--|--|--|--|--|--------------------------|--------------|--|--|--|--|--|---------|--------------------------------------------------------------------------------|--|--|--|--|--|--|-------------------------------------------------|--|--|--|--|--|--|------------------------|----|-----|----|-----|-----|------------|
| 数量                                                                             | 研究设计                | 干预组                | 对照组            | Meta分析结果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                               |  | 95%可信区间           | 偏倚风险                | 不一致性               | 间接性            | 不精确性          |        | 其他偏倚                          |          |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |          |    |    |    |    |       |                   |          |    |    |    |    |       |                   |                       |  |  |  |  |  |                          |              |  |  |  |  |  |         |                                                                                |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |                        |    |     |    |     |     |            |
| 临床疗效（即降低卒中风险）                                                                  |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |                               |  |                   |                     |                    |                |               |        |                               |          |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |          |    |    |    |    |       |                   |          |    |    |    |    |       |                   |                       |  |  |  |  |  |                          |              |  |  |  |  |  |         |                                                                                |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |                        |    |     |    |     |     |            |
| 6                                                                              | RCT                 | 272                | 266            | <table><thead><tr><th>Study or Subgroup</th><th>Experimental Events</th><th>Experimental Total</th><th>Control Events</th><th>Control Total</th><th>Weight</th><th>Risk Ratio M-H, Fixed, 95% CI</th></tr></thead><tbody><tr><td>卢华源 2018</td><td>31</td><td>34</td><td>24</td><td>34</td><td>11.7%</td><td>1.29 [1.02, 1.64]</td></tr><tr><td>姚波 2016</td><td>62</td><td>66</td><td>55</td><td>66</td><td>26.8%</td><td>1.13 [1.00, 1.28]</td></tr><tr><td>李明 2009</td><td>40</td><td>44</td><td>35</td><td>44</td><td>17.1%</td><td>1.14 [0.96, 1.36]</td></tr><tr><td>车丹 2018</td><td>43</td><td>47</td><td>38</td><td>47</td><td>18.5%</td><td>1.13 [0.96, 1.33]</td></tr><tr><td>郭艳芹 2013</td><td>42</td><td>46</td><td>28</td><td>40</td><td>14.6%</td><td>1.30 [1.05, 1.63]</td></tr><tr><td>陈炽邦 2009</td><td>31</td><td>35</td><td>23</td><td>35</td><td>11.2%</td><td>1.35 [1.03, 1.76]</td></tr><tr><td colspan="6"><b>Total (95% CI)</b></td><td><b>1.20 [1.11, 1.30]</b></td></tr><tr><td colspan="6">Total events</td><td>249 203</td></tr><tr><td colspan="6">Heterogeneity: Chi<sup>2</sup> = 3.40, df = 5 (P = 0.64); I<sup>2</sup> = 0%</td><td></td></tr><tr><td colspan="6">Test for overall effect: Z = 4.71 (P &lt; 0.00001)</td><td></td></tr></tbody></table> |        |                               |  | Study or Subgroup | Experimental Events | Experimental Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI | 卢华源 2018 | 31 | 34 | 24 | 34 | 11.7% | 1.29 [1.02, 1.64] | 姚波 2016 | 62 | 66 | 55 | 66 | 26.8% | 1.13 [1.00, 1.28] | 李明 2009 | 40 | 44 | 35 | 44 | 17.1% | 1.14 [0.96, 1.36] | 车丹 2018 | 43 | 47 | 38 | 47 | 18.5% | 1.13 [0.96, 1.33] | 郭艳芹 2013 | 42 | 46 | 28 | 40 | 14.6% | 1.30 [1.05, 1.63] | 陈炽邦 2009 | 31 | 35 | 23 | 35 | 11.2% | 1.35 [1.03, 1.76] | <b>Total (95% CI)</b> |  |  |  |  |  | <b>1.20 [1.11, 1.30]</b> | Total events |  |  |  |  |  | 249 203 | Heterogeneity: Chi <sup>2</sup> = 3.40, df = 5 (P = 0.64); I <sup>2</sup> = 0% |  |  |  |  |  |  | Test for overall effect: Z = 4.71 (P < 0.00001) |  |  |  |  |  |  | RR=1.20<br>[1.11,1.30] | 严重 | 不严重 | 严重 | 不严重 | 不严重 | ⊕⊕○○<br>C级 |
| Study or Subgroup                                                              | Experimental Events | Experimental Total | Control Events | Control Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Weight | Risk Ratio M-H, Fixed, 95% CI |  |                   |                     |                    |                |               |        |                               |          |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |          |    |    |    |    |       |                   |          |    |    |    |    |       |                   |                       |  |  |  |  |  |                          |              |  |  |  |  |  |         |                                                                                |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |                        |    |     |    |     |     |            |
| 卢华源 2018                                                                       | 31                  | 34                 | 24             | 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 11.7%  | 1.29 [1.02, 1.64]             |  |                   |                     |                    |                |               |        |                               |          |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |          |    |    |    |    |       |                   |          |    |    |    |    |       |                   |                       |  |  |  |  |  |                          |              |  |  |  |  |  |         |                                                                                |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |                        |    |     |    |     |     |            |
| 姚波 2016                                                                        | 62                  | 66                 | 55             | 66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 26.8%  | 1.13 [1.00, 1.28]             |  |                   |                     |                    |                |               |        |                               |          |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |          |    |    |    |    |       |                   |          |    |    |    |    |       |                   |                       |  |  |  |  |  |                          |              |  |  |  |  |  |         |                                                                                |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |                        |    |     |    |     |     |            |
| 李明 2009                                                                        | 40                  | 44                 | 35             | 44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 17.1%  | 1.14 [0.96, 1.36]             |  |                   |                     |                    |                |               |        |                               |          |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |          |    |    |    |    |       |                   |          |    |    |    |    |       |                   |                       |  |  |  |  |  |                          |              |  |  |  |  |  |         |                                                                                |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |                        |    |     |    |     |     |            |
| 车丹 2018                                                                        | 43                  | 47                 | 38             | 47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 18.5%  | 1.13 [0.96, 1.33]             |  |                   |                     |                    |                |               |        |                               |          |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |          |    |    |    |    |       |                   |          |    |    |    |    |       |                   |                       |  |  |  |  |  |                          |              |  |  |  |  |  |         |                                                                                |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |                        |    |     |    |     |     |            |
| 郭艳芹 2013                                                                       | 42                  | 46                 | 28             | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 14.6%  | 1.30 [1.05, 1.63]             |  |                   |                     |                    |                |               |        |                               |          |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |          |    |    |    |    |       |                   |          |    |    |    |    |       |                   |                       |  |  |  |  |  |                          |              |  |  |  |  |  |         |                                                                                |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |                        |    |     |    |     |     |            |
| 陈炽邦 2009                                                                       | 31                  | 35                 | 23             | 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 11.2%  | 1.35 [1.03, 1.76]             |  |                   |                     |                    |                |               |        |                               |          |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |          |    |    |    |    |       |                   |          |    |    |    |    |       |                   |                       |  |  |  |  |  |                          |              |  |  |  |  |  |         |                                                                                |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |                        |    |     |    |     |     |            |
| <b>Total (95% CI)</b>                                                          |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        | <b>1.20 [1.11, 1.30]</b>      |  |                   |                     |                    |                |               |        |                               |          |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |          |    |    |    |    |       |                   |          |    |    |    |    |       |                   |                       |  |  |  |  |  |                          |              |  |  |  |  |  |         |                                                                                |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |                        |    |     |    |     |     |            |
| Total events                                                                   |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        | 249 203                       |  |                   |                     |                    |                |               |        |                               |          |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |          |    |    |    |    |       |                   |          |    |    |    |    |       |                   |                       |  |  |  |  |  |                          |              |  |  |  |  |  |         |                                                                                |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |                        |    |     |    |     |     |            |
| Heterogeneity: Chi <sup>2</sup> = 3.40, df = 5 (P = 0.64); I <sup>2</sup> = 0% |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |                               |  |                   |                     |                    |                |               |        |                               |          |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |          |    |    |    |    |       |                   |          |    |    |    |    |       |                   |                       |  |  |  |  |  |                          |              |  |  |  |  |  |         |                                                                                |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |                        |    |     |    |     |     |            |
| Test for overall effect: Z = 4.71 (P < 0.00001)                                |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |                               |  |                   |                     |                    |                |               |        |                               |          |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |         |    |    |    |    |       |                   |          |    |    |    |    |       |                   |          |    |    |    |    |       |                   |                       |  |  |  |  |  |                          |              |  |  |  |  |  |         |                                                                                |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |                        |    |     |    |     |     |            |

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**B. 6. 4 脑梗死急性期患者，发病24小时内使用疏血通注射液是否能够更好地改善神经功能缺损症状？**

| 共识问题                                       | P（研究对象）                                                                                                                                                             | I（干预措施）             | C（对照措施）                 | O（结局指标）                   |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------|---------------------------|
| 脑梗死急性期患者，发病24小时内使用疏血通注射液是否能够更好地改善神经功能缺损症状？ | 脑梗死急性期患者                                                                                                                                                            | 疏血通注射液+西医常规在发病6h内治疗 | 疏血通注射液+西医常规在发病后6~24h内治疗 | 关键结局指标：美国国立卫生院卒中量表（NIHSS） |
| 研究类型及数量                                    | 1项RCT                                                                                                                                                               |                     |                         |                           |
| 效应值及可信区间                                   | MD=-4.12，95%CI[-4.50，-3.74]，P<0.00001<br>①MD=-4.43，95%CI[-4.99，-3.87]，P<0.00001<br>②MD=-3.65，95%CI[-4.13，-3.17]，P<0.00001<br>③MD=-4.24，95%CI[-4.36，-4.12]，P<0.00001 |                     |                         |                           |
| 证据等级                                       | C级证据                                                                                                                                                                |                     |                         |                           |
| 是否升级或降级                                    | 降级                                                                                                                                                                  |                     |                         |                           |
| 升级或降级因素                                    | 严重不一致性、严重不精确性                                                                                                                                                       |                     |                         |                           |
| 结论                                         | 疏血通注射液可以在脑梗死急性期发病24h内开始使用，可改善神经功能缺损症状，发病6小时内应用疗效更为显著。                                                                                                               |                     |                         |                           |

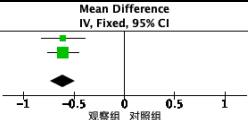
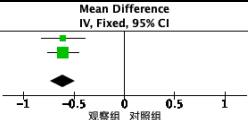
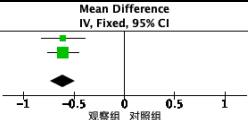
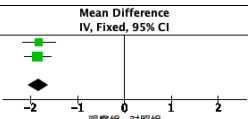
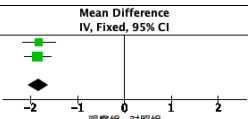
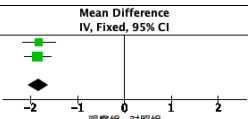
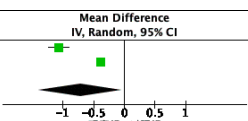
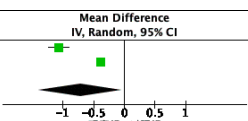
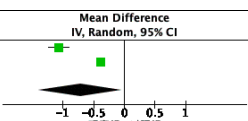
| 概况                                                                                                       |                      | 样本量                  |        | 效果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  | 质量评价              |                      |                      |        |                                       | 证据质量      |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
|----------------------------------------------------------------------------------------------------------|----------------------|----------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-------------------|----------------------|----------------------|--------|---------------------------------------|-----------|------|--|--|--|---------|---------------|---------------|-------|----------------------|-------------------|--|--|----|----------------------|-------------------------------|--|--|--|--|--------------------------------------------------|--|--|--|--|----------|--|--|--|--|---------|--------------|---------------|-------|----------------------|-------------------|--|--|----|----------------------|-------------------------------|--|--|--|--|--------------------------------------------------|--|--|--|--|-----------|--|--|--|--|---------|--------------|--------------|-------|----------------------|-------------------|--|--|----|----------------------|-------------------------------|--|--|--|--|--------------------------------------------------|--|--|--|--|----------------|--|--|--|--|--|-----|-----|--------|----------------------|----------------------------------------------------------------------------------------------------------|--|--|--|--|--------------------------------------------------|--|--|--|--|---------------------------------------------------------------------------------------------------|--|--|--|--|---------------------------|-----|----|-----|----|-----|------------|
| 数量                                                                                                       | 研究设计                 | 干预组                  | 对照组    | Meta分析结果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | 95%可信区间           | 偏倚风险                 | 不一致性                 | 间接性    | 不精确性                                  |           | 其他偏倚 |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| 神经功能缺损 (NIHSS评分)                                                                                         |                      |                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| 1                                                                                                        | RCT                  | 60                   | 60     | <table><thead><tr><th>Study or Subgroup</th><th>观察组<br/>Mean SD Total</th><th>对照组<br/>Mean SD Total</th><th>Weight</th><th>Mean Difference<br/>IV, Random, 95% CI</th></tr></thead><tbody><tr><td colspan="5">2.1.1 24h</td></tr><tr><td>普亚琦2021</td><td>14.13 1.58 60</td><td>18.56 1.56 60</td><td>24.2%</td><td>-4.43 [-4.99, -3.87]</td></tr><tr><td>Subtotal (95% CI)</td><td></td><td></td><td>60</td><td>-4.43 [-4.99, -3.87]</td></tr><tr><td colspan="5">Heterogeneity: Not applicable</td></tr><tr><td colspan="5">Test for overall effect: Z = 15.45 (P &lt; 0.00001)</td></tr><tr><td colspan="5">2.1.2 7天</td></tr><tr><td>普亚琦2021</td><td>9.63 0.41 60</td><td>13.28 1.85 60</td><td>28.1%</td><td>-3.65 [-4.13, -3.17]</td></tr><tr><td>Subtotal (95% CI)</td><td></td><td></td><td>60</td><td>-3.65 [-4.13, -3.17]</td></tr><tr><td colspan="5">Heterogeneity: Not applicable</td></tr><tr><td colspan="5">Test for overall effect: Z = 14.92 (P &lt; 0.00001)</td></tr><tr><td colspan="5">2.1.3 14天</td></tr><tr><td>普亚琦2021</td><td>4.29 0.26 60</td><td>8.53 0.42 60</td><td>47.7%</td><td>-4.24 [-4.36, -4.12]</td></tr><tr><td>Subtotal (95% CI)</td><td></td><td></td><td>60</td><td>-4.24 [-4.36, -4.12]</td></tr><tr><td colspan="5">Heterogeneity: Not applicable</td></tr><tr><td colspan="5">Test for overall effect: Z = 66.49 (P &lt; 0.00001)</td></tr><tr><td colspan="5">Total (95% CI)</td></tr><tr><td></td><td>180</td><td>180</td><td>100.0%</td><td>-4.12 [-4.50, -3.74]</td></tr><tr><td colspan="5">Heterogeneity: Tau<sup>2</sup> = 0.08; Chi<sup>2</sup> = 6.05, df = 2 (P = 0.05); I<sup>2</sup> = 67%</td></tr><tr><td colspan="5">Test for overall effect: Z = 21.06 (P &lt; 0.00001)</td></tr><tr><td colspan="5">Test for subgroup differences: Chi<sup>2</sup> = 6.05, df = 2 (P = 0.05), I<sup>2</sup> = 66.9%</td></tr></tbody></table> |  |  |  | Study or Subgroup | 观察组<br>Mean SD Total | 对照组<br>Mean SD Total | Weight | Mean Difference<br>IV, Random, 95% CI | 2.1.1 24h |      |  |  |  | 普亚琦2021 | 14.13 1.58 60 | 18.56 1.56 60 | 24.2% | -4.43 [-4.99, -3.87] | Subtotal (95% CI) |  |  | 60 | -4.43 [-4.99, -3.87] | Heterogeneity: Not applicable |  |  |  |  | Test for overall effect: Z = 15.45 (P < 0.00001) |  |  |  |  | 2.1.2 7天 |  |  |  |  | 普亚琦2021 | 9.63 0.41 60 | 13.28 1.85 60 | 28.1% | -3.65 [-4.13, -3.17] | Subtotal (95% CI) |  |  | 60 | -3.65 [-4.13, -3.17] | Heterogeneity: Not applicable |  |  |  |  | Test for overall effect: Z = 14.92 (P < 0.00001) |  |  |  |  | 2.1.3 14天 |  |  |  |  | 普亚琦2021 | 4.29 0.26 60 | 8.53 0.42 60 | 47.7% | -4.24 [-4.36, -4.12] | Subtotal (95% CI) |  |  | 60 | -4.24 [-4.36, -4.12] | Heterogeneity: Not applicable |  |  |  |  | Test for overall effect: Z = 66.49 (P < 0.00001) |  |  |  |  | Total (95% CI) |  |  |  |  |  | 180 | 180 | 100.0% | -4.12 [-4.50, -3.74] | Heterogeneity: Tau <sup>2</sup> = 0.08; Chi <sup>2</sup> = 6.05, df = 2 (P = 0.05); I <sup>2</sup> = 67% |  |  |  |  | Test for overall effect: Z = 21.06 (P < 0.00001) |  |  |  |  | Test for subgroup differences: Chi <sup>2</sup> = 6.05, df = 2 (P = 0.05), I <sup>2</sup> = 66.9% |  |  |  |  | MD=-4.12<br>[-4.50,-3.74] | 不严重 | 严重 | 不严重 | 严重 | 不严重 | ⊕⊕○○<br>C级 |
| Study or Subgroup                                                                                        | 观察组<br>Mean SD Total | 对照组<br>Mean SD Total | Weight | Mean Difference<br>IV, Random, 95% CI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| 2.1.1 24h                                                                                                |                      |                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| 普亚琦2021                                                                                                  | 14.13 1.58 60        | 18.56 1.56 60        | 24.2%  | -4.43 [-4.99, -3.87]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| Subtotal (95% CI)                                                                                        |                      |                      | 60     | -4.43 [-4.99, -3.87]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| Heterogeneity: Not applicable                                                                            |                      |                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| Test for overall effect: Z = 15.45 (P < 0.00001)                                                         |                      |                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| 2.1.2 7天                                                                                                 |                      |                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| 普亚琦2021                                                                                                  | 9.63 0.41 60         | 13.28 1.85 60        | 28.1%  | -3.65 [-4.13, -3.17]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| Subtotal (95% CI)                                                                                        |                      |                      | 60     | -3.65 [-4.13, -3.17]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| Heterogeneity: Not applicable                                                                            |                      |                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| Test for overall effect: Z = 14.92 (P < 0.00001)                                                         |                      |                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| 2.1.3 14天                                                                                                |                      |                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| 普亚琦2021                                                                                                  | 4.29 0.26 60         | 8.53 0.42 60         | 47.7%  | -4.24 [-4.36, -4.12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| Subtotal (95% CI)                                                                                        |                      |                      | 60     | -4.24 [-4.36, -4.12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| Heterogeneity: Not applicable                                                                            |                      |                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| Test for overall effect: Z = 66.49 (P < 0.00001)                                                         |                      |                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| Total (95% CI)                                                                                           |                      |                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
|                                                                                                          | 180                  | 180                  | 100.0% | -4.12 [-4.50, -3.74]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| Heterogeneity: Tau <sup>2</sup> = 0.08; Chi <sup>2</sup> = 6.05, df = 2 (P = 0.05); I <sup>2</sup> = 67% |                      |                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| Test for overall effect: Z = 21.06 (P < 0.00001)                                                         |                      |                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |
| Test for subgroup differences: Chi <sup>2</sup> = 6.05, df = 2 (P = 0.05), I <sup>2</sup> = 66.9%        |                      |                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                   |                      |                      |        |                                       |           |      |  |  |  |         |               |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |          |  |  |  |  |         |              |               |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |           |  |  |  |  |         |              |              |       |                      |                   |  |  |    |                      |                               |  |  |  |  |                                                  |  |  |  |  |                |  |  |  |  |  |     |     |        |                      |                                                                                                          |  |  |  |  |                                                  |  |  |  |  |                                                                                                   |  |  |  |  |                           |     |    |     |    |     |            |

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**B. 6. 5 脑梗死急性期患者，静脉溶栓后24小时内是否可以加用疏血通注射液？是否增加出血风险？**

| 共识问题                                      | P（研究对象）                                                                                                                    | I（干预措施）       | C（对照措施） | O（结局指标）                            |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------|---------|------------------------------------|
| 脑梗死急性期患者，静脉溶栓后24小时内是否可以加用疏血通注射液？是否增加出血风险？ | 脑梗死急性期患者                                                                                                                   | 疏血通注射液+西医常规治疗 | 西医常规治疗  | 关键结局指标：血液流变指标（全血高切黏度、全血低切黏度）、纤维蛋白原 |
| 研究类型及数量                                   | 2项RCT                                                                                                                      |               |         |                                    |
| 效应值及可信区间                                  | ①MD=-0.61，95%CI[-0.74，-0.48]，P<0.00001<br>②MD=-1.84，95%CI[-2.06，-1.61]，P<0.00001<br>③MD=-0.72，95%CI[-1.40，-0.04]，P<0.00001 |               |         |                                    |
| 证据等级                                      | D级证据                                                                                                                       |               |         |                                    |
| 是否升级或降级                                   | 降级                                                                                                                         |               |         |                                    |
| 升级或降级因素                                   | 严重偏倚风险、严重间接性、严重不精确性                                                                                                        |               |         |                                    |
| 结论                                        | 脑梗死急性期患者，静脉溶栓后在常规治疗基础上加用疏血通注射液，不增加出血风险。                                                                                    |               |         |                                    |

| 概况                |              | 样本量  |       | 效果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |       |        | 质量评价                 |                                                                                     |                 |     |         | 证据质量 |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
|-------------------|--------------|------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--------|----------------------|-------------------------------------------------------------------------------------|-----------------|-----|---------|------|------|--------|-----------------|-----------------|------|----|-------|------|----|-------|--------------------|--------------------|---------|------|------|----|------|------|----|-------|----------------------|-------------------------------------------------------------------------------------|---------|------|------|----|------|------|----|-------|----------------------|----------------|----|--|--|--|--|--|----|--------|----------------------|---------------------------|----|-----|----|----|-----|------------|
| 数量                | 研究设计         | 干预组  | 对照组   | Meta分析结果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |       |        | 95%可信区间              | 偏倚风险                                                                                | 不一致性            | 间接性 | 不精确性    |      | 其他偏倚 |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| 血流变 (全血高切黏度)      |              |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |        |                      |                                                                                     |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| 2                 | RCT          | 90   | 90    | <table><thead><tr><th rowspan="2">Study or Subgroup</th><th colspan="3">Experimental</th><th colspan="3">Control</th><th rowspan="2">Weight</th><th>Mean Difference</th><th>Mean Difference</th></tr><tr><th>Mean</th><th>SD</th><th>Total</th><th>Mean</th><th>SD</th><th>Total</th><th>IV, Fixed, 95% CI</th><th>IV, Fixed, 95% CI</th></tr></thead><tbody><tr><td>于璇 2021</td><td>4.47</td><td>0.46</td><td>38</td><td>5.08</td><td>0.5</td><td>38</td><td>34.2%</td><td>-0.61 [-0.83, -0.39]</td><td rowspan="2"></td></tr><tr><td>张惠 2018</td><td>4.5</td><td>0.39</td><td>52</td><td>5.11</td><td>0.42</td><td>52</td><td>65.8%</td><td>-0.61 [-0.77, -0.45]</td></tr><tr><td>Total (95% CI)</td><td colspan="6">90</td><td>90</td><td>100.0%</td><td>-0.61 [-0.74, -0.48]</td></tr></tbody></table> <p>Heterogeneity: Chi<sup>2</sup> = 0.00, df = 1 (P = 1.00); I<sup>2</sup> = 0%<br/>Test for overall effect: Z = 9.46 (P &lt; 0.00001)</p>                              |      |       |        | Study or Subgroup    | Experimental                                                                        |                 |     | Control |      |      | Weight | Mean Difference | Mean Difference | Mean | SD | Total | Mean | SD | Total | IV, Fixed, 95% CI  | IV, Fixed, 95% CI  | 于璇 2021 | 4.47 | 0.46 | 38 | 5.08 | 0.5  | 38 | 34.2% | -0.61 [-0.83, -0.39] |  | 张惠 2018 | 4.5  | 0.39 | 52 | 5.11 | 0.42 | 52 | 65.8% | -0.61 [-0.77, -0.45] | Total (95% CI) | 90 |  |  |  |  |  | 90 | 100.0% | -0.61 [-0.74, -0.48] | MD=-0.61<br>[-0.74,-0.48] | 严重 | 不严重 | 严重 | 严重 | 不严重 | ⊕○○○<br>D级 |
| Study or Subgroup | Experimental |      |       | Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |       | Weight |                      | Mean Difference                                                                     | Mean Difference |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
|                   | Mean         | SD   | Total | Mean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SD   | Total |        | IV, Fixed, 95% CI    | IV, Fixed, 95% CI                                                                   |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| 于璇 2021           | 4.47         | 0.46 | 38    | 5.08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.5  | 38    | 34.2%  | -0.61 [-0.83, -0.39] |  |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| 张惠 2018           | 4.5          | 0.39 | 52    | 5.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.42 | 52    | 65.8%  | -0.61 [-0.77, -0.45] |                                                                                     |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| Total (95% CI)    | 90           |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       | 90     | 100.0%               | -0.61 [-0.74, -0.48]                                                                |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| 血流变 (全血低切黏度)      |              |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |        |                      |                                                                                     |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| 2                 | RCT          | 90   | 90    | <table><thead><tr><th rowspan="2">Study or Subgroup</th><th colspan="3">Experimental</th><th colspan="3">Control</th><th rowspan="2">Weight</th><th>Mean Difference</th><th>Mean Difference</th></tr><tr><th>Mean</th><th>SD</th><th>Total</th><th>Mean</th><th>SD</th><th>Total</th><th>IV, Fixed, 95% CI</th><th>IV, Fixed, 95% CI</th></tr></thead><tbody><tr><td>于璇 2021</td><td>5.24</td><td>0.82</td><td>52</td><td>7.06</td><td>0.98</td><td>52</td><td>41.5%</td><td>-1.82 [-2.17, -1.47]</td><td rowspan="2"></td></tr><tr><td>张惠 2018</td><td>5.17</td><td>0.62</td><td>38</td><td>7.02</td><td>0.68</td><td>38</td><td>58.5%</td><td>-1.85 [-2.14, -1.56]</td></tr><tr><td>Total (95% CI)</td><td colspan="6">90</td><td>90</td><td>100.0%</td><td>-1.84 [-2.06, -1.61]</td></tr></tbody></table> <p>Heterogeneity: Chi<sup>2</sup> = 0.02, df = 1 (P = 0.90); I<sup>2</sup> = 0%<br/>Test for overall effect: Z = 16.10 (P &lt; 0.00001)</p>                           |      |       |        | Study or Subgroup    | Experimental                                                                        |                 |     | Control |      |      | Weight | Mean Difference | Mean Difference | Mean | SD | Total | Mean | SD | Total | IV, Fixed, 95% CI  | IV, Fixed, 95% CI  | 于璇 2021 | 5.24 | 0.82 | 52 | 7.06 | 0.98 | 52 | 41.5% | -1.82 [-2.17, -1.47] |  | 张惠 2018 | 5.17 | 0.62 | 38 | 7.02 | 0.68 | 38 | 58.5% | -1.85 [-2.14, -1.56] | Total (95% CI) | 90 |  |  |  |  |  | 90 | 100.0% | -1.84 [-2.06, -1.61] | MD=-1.84<br>[-2.06,-1.61] | 严重 | 不严重 | 严重 | 严重 | 不严重 | ⊕○○○<br>D级 |
| Study or Subgroup | Experimental |      |       | Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |       | Weight |                      | Mean Difference                                                                     | Mean Difference |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
|                   | Mean         | SD   | Total | Mean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SD   | Total |        | IV, Fixed, 95% CI    | IV, Fixed, 95% CI                                                                   |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| 于璇 2021           | 5.24         | 0.82 | 52    | 7.06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.98 | 52    | 41.5%  | -1.82 [-2.17, -1.47] |  |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| 张惠 2018           | 5.17         | 0.62 | 38    | 7.02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.68 | 38    | 58.5%  | -1.85 [-2.14, -1.56] |                                                                                     |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| Total (95% CI)    | 90           |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       | 90     | 100.0%               | -1.84 [-2.06, -1.61]                                                                |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| 纤维蛋白原             |              |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |        |                      |                                                                                     |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| 2                 | RCT          | 90   | 90    | <table><thead><tr><th rowspan="2">Study or Subgroup</th><th colspan="3">Experimental</th><th colspan="3">Control</th><th rowspan="2">Weight</th><th>Mean Difference</th><th>Mean Difference</th></tr><tr><th>Mean</th><th>SD</th><th>Total</th><th>Mean</th><th>SD</th><th>Total</th><th>IV, Random, 95% CI</th><th>IV, Random, 95% CI</th></tr></thead><tbody><tr><td>于璇 2021</td><td>2.82</td><td>0.4</td><td>38</td><td>3.89</td><td>0.35</td><td>38</td><td>49.3%</td><td>-1.07 [-1.24, -0.90]</td><td rowspan="2"></td></tr><tr><td>张惠 2018</td><td>2.89</td><td>0.13</td><td>52</td><td>3.27</td><td>0.15</td><td>52</td><td>50.7%</td><td>-0.38 [-0.43, -0.33]</td></tr><tr><td>Total (95% CI)</td><td colspan="6">90</td><td>90</td><td>100.0%</td><td>-0.72 [-1.40, -0.04]</td></tr></tbody></table> <p>Heterogeneity: Tau<sup>2</sup> = 0.23; Chi<sup>2</sup> = 58.12, df = 1 (P &lt; 0.00001); I<sup>2</sup> = 98%<br/>Test for overall effect: Z = 2.09 (P = 0.04)</p> |      |       |        | Study or Subgroup    | Experimental                                                                        |                 |     | Control |      |      | Weight | Mean Difference | Mean Difference | Mean | SD | Total | Mean | SD | Total | IV, Random, 95% CI | IV, Random, 95% CI | 于璇 2021 | 2.82 | 0.4  | 38 | 3.89 | 0.35 | 38 | 49.3% | -1.07 [-1.24, -0.90] |  | 张惠 2018 | 2.89 | 0.13 | 52 | 3.27 | 0.15 | 52 | 50.7% | -0.38 [-0.43, -0.33] | Total (95% CI) | 90 |  |  |  |  |  | 90 | 100.0% | -0.72 [-1.40, -0.04] | MD=-0.72<br>[-1.40,-0.04] | 严重 | 不严重 | 严重 | 严重 | 不严重 | ⊕○○○<br>D级 |
| Study or Subgroup | Experimental |      |       | Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |       | Weight |                      | Mean Difference                                                                     | Mean Difference |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
|                   | Mean         | SD   | Total | Mean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SD   | Total |        | IV, Random, 95% CI   | IV, Random, 95% CI                                                                  |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| 于璇 2021           | 2.82         | 0.4  | 38    | 3.89                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.35 | 38    | 49.3%  | -1.07 [-1.24, -0.90] |  |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| 张惠 2018           | 2.89         | 0.13 | 52    | 3.27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.15 | 52    | 50.7%  | -0.38 [-0.43, -0.33] |                                                                                     |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |
| Total (95% CI)    | 90           |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       | 90     | 100.0%               | -0.72 [-1.40, -0.04]                                                                |                 |     |         |      |      |        |                 |                 |      |    |       |      |    |       |                    |                    |         |      |      |    |      |      |    |       |                      |                                                                                     |         |      |      |    |      |      |    |       |                      |                |    |  |  |  |  |  |    |        |                      |                           |    |     |    |    |     |            |

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[1] 张惠, 张朝辉, 吴乔洋. 疏血通注射液联合rt-PA静脉溶栓对急性脑梗死患者NIHSS评分及血液流变学的影响[J]. 医药论坛杂志, 2018, 39(10):3.

[2] 于璇, 王金艳. rt-PA早期静脉溶栓联合疏血通对急性缺血性脑卒中患者神经功能及MAS评分的影响[J]. 2023(6).

| 共识问题                                      | P（研究对象）                                  | I（干预措施）       | C（对照措施） | O（结局指标）                  |
|-------------------------------------------|------------------------------------------|---------------|---------|--------------------------|
| 脑梗死急性期患者，静脉溶栓后24小时内是否可以加用疏血通注射液？是否增加出血风险？ | 脑梗死急性期患者                                 | 疏血通注射液+西医常规治疗 | 西医常规治疗  | 关键结局指标：症状性颅内出血（SICH）发生情况 |
| 研究类型及数量                                   | 1项RCT                                    |               |         |                          |
| 效应值及可信区间                                  | RR=0.75，95%CI[0.18, 3.16]，P=0.70         |               |         |                          |
| 证据等级                                      | C级证据                                     |               |         |                          |
| 是否升级或降级                                   | 降级                                       |               |         |                          |
| 升级或降级因素                                   | 严重不一致性、严重不精确性                            |               |         |                          |
| 结论                                        | 脑梗死急性期患者，静脉溶栓后在常规治疗基础上加用疏血通注射液，未见增加出血风险。 |               |         |                          |

| 概 况                 |                     | 样 本 量              |                | 效 果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                               |  |  | 质 量 评 价           |                     |                    |                |               | 证 据 质 量 |                               |         |   |    |   |    |        |                   |                |  |    |  |    |        |                   |              |   |  |   |  |  |  |                                                                                 |  |  |     |    |     |    |     |            |
|---------------------|---------------------|--------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------|--|--|-------------------|---------------------|--------------------|----------------|---------------|---------|-------------------------------|---------|---|----|---|----|--------|-------------------|----------------|--|----|--|----|--------|-------------------|--------------|---|--|---|--|--|--|---------------------------------------------------------------------------------|--|--|-----|----|-----|----|-----|------------|
| 数量                  | 研究设计                | 干预组                | 对照组            | Meta分析结果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                               |  |  | 95%可信区间           | 偏倚风险                | 不一致性               | 间接性            | 不精确性          |         | 其他偏倚                          |         |   |    |   |    |        |                   |                |  |    |  |    |        |                   |              |   |  |   |  |  |  |                                                                                 |  |  |     |    |     |    |     |            |
| 症状性颅内出血 (SICH) 发生情况 |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                               |  |  |                   |                     |                    |                |               |         |                               |         |   |    |   |    |        |                   |                |  |    |  |    |        |                   |              |   |  |   |  |  |  |                                                                                 |  |  |     |    |     |    |     |            |
| 1                   | RCT                 | 45                 | 45             | <table><thead><tr><th>Study or Subgroup</th><th>Experimental Events</th><th>Experimental Total</th><th>Control Events</th><th>Control Total</th><th>Weight</th><th>Risk Ratio M-H, Fixed, 95% CI</th></tr></thead><tbody><tr><td>方期 2019</td><td>3</td><td>45</td><td>4</td><td>45</td><td>100.0%</td><td>0.75 [0.18, 3.16]</td></tr><tr><td>Total (95% CI)</td><td></td><td>45</td><td></td><td>45</td><td>100.0%</td><td>0.75 [0.18, 3.16]</td></tr><tr><td>Total events</td><td>3</td><td></td><td>4</td><td></td><td></td><td></td></tr></tbody></table> |        |                               |  |  | Study or Subgroup | Experimental Events | Experimental Total | Control Events | Control Total | Weight  | Risk Ratio M-H, Fixed, 95% CI | 方期 2019 | 3 | 45 | 4 | 45 | 100.0% | 0.75 [0.18, 3.16] | Total (95% CI) |  | 45 |  | 45 | 100.0% | 0.75 [0.18, 3.16] | Total events | 3 |  | 4 |  |  |  | <p>Risk Ratio M-H, Fixed, 95% CI</p> <p>RR=0.75 [0.18, 3.16]</p> <p>观察组 对照组</p> |  |  | 不严重 | 严重 | 不严重 | 严重 | 不严重 | ⊕⊕○○<br>C级 |
| Study or Subgroup   | Experimental Events | Experimental Total | Control Events | Control Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Weight | Risk Ratio M-H, Fixed, 95% CI |  |  |                   |                     |                    |                |               |         |                               |         |   |    |   |    |        |                   |                |  |    |  |    |        |                   |              |   |  |   |  |  |  |                                                                                 |  |  |     |    |     |    |     |            |
| 方期 2019             | 3                   | 45                 | 4              | 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 100.0% | 0.75 [0.18, 3.16]             |  |  |                   |                     |                    |                |               |         |                               |         |   |    |   |    |        |                   |                |  |    |  |    |        |                   |              |   |  |   |  |  |  |                                                                                 |  |  |     |    |     |    |     |            |
| Total (95% CI)      |                     | 45                 |                | 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 100.0% | 0.75 [0.18, 3.16]             |  |  |                   |                     |                    |                |               |         |                               |         |   |    |   |    |        |                   |                |  |    |  |    |        |                   |              |   |  |   |  |  |  |                                                                                 |  |  |     |    |     |    |     |            |
| Total events        | 3                   |                    | 4              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                               |  |  |                   |                     |                    |                |               |         |                               |         |   |    |   |    |        |                   |                |  |    |  |    |        |                   |              |   |  |   |  |  |  |                                                                                 |  |  |     |    |     |    |     |            |
|                     |                     |                    |                | Heterogeneity: Not applicable<br>Test for overall effect: Z = 0.39 (P = 0.70)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                               |  |  |                   |                     |                    |                |               |         |                               |         |   |    |   |    |        |                   |                |  |    |  |    |        |                   |              |   |  |   |  |  |  |                                                                                 |  |  |     |    |     |    |     |            |

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[1] 方明. 重组组织型纤溶酶原激活剂联合疏血通注射液治疗急性脑梗死的临床疗效及其对患者神经功能的影响[J]. 临床合理用药杂志, 2019(9):2.

**B. 6. 6 脑梗死急性期患者，应用疏血通注射液合并抗血小板聚集药物（单抗或双抗时），是否增加出血风险？**

| 共识问题                                          | P（研究对象）                                                                     | I（干预措施）       | C（对照措施） | O（结局指标）          |
|-----------------------------------------------|-----------------------------------------------------------------------------|---------------|---------|------------------|
| 脑梗死急性期患者，应用疏血通注射液合并抗血小板聚集药物（单抗或双抗时），是否增加出血风险？ | 脑梗死急性期患者                                                                    | 疏血通注射液+西医常规治疗 | 西医常规治疗  | 关键结局指标：发生出血事件的例数 |
| 研究类型及数量                                       | 3项RCT                                                                       |               |         |                  |
| 效应值及可信区间                                      | RR=1.33，95%CI[0.30，5.82]，P=0.71                                             |               |         |                  |
| 证据等级                                          | C级证据                                                                        |               |         |                  |
| 是否升级或降级                                       | 降级                                                                          |               |         |                  |
| 升级或降级因素                                       | 严重偏倚风险、严重不一致性、严重不精确性                                                        |               |         |                  |
| 结论                                            | 脑梗死急性期患者，根据临床病情需要，疏血通注射液可以与抗血小板聚集药物（单抗或双抗）联合使用，尚未发现增加出血风险的报道，使用过程中要注意观察和监测。 |               |         |                  |



| 概况                                                     |                     | 样本量                |                | 效果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                               |  | 质量评价              |                     |                    |                |               | 证据质量   |                               |          |   |    |   |    |       |                    |          |   |    |   |    |       |                   |         |   |    |   |    |       |                    |                |  |     |     |        |                   |  |              |  |   |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                         |    |    |     |    |     |                               |
|--------------------------------------------------------|---------------------|--------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|--|-------------------|---------------------|--------------------|----------------|---------------|--------|-------------------------------|----------|---|----|---|----|-------|--------------------|----------|---|----|---|----|-------|-------------------|---------|---|----|---|----|-------|--------------------|----------------|--|-----|-----|--------|-------------------|--|--------------|--|---|---|--|--|--|--------------------------------------------------------|--|--|--|--|--|--|----------------------------------------------|--|--|--|--|--|--|-------------------------|----|----|-----|----|-----|-------------------------------|
| 数量                                                     | 研究设计                | 干预组                | 对照组            | Meta分析结果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                               |  | 95%可信区间           | 偏倚风险                | 不一致性               | 间接性            | 不精确性          |        | 其他偏倚                          |          |   |    |   |    |       |                    |          |   |    |   |    |       |                   |         |   |    |   |    |       |                    |                |  |     |     |        |                   |  |              |  |   |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                         |    |    |     |    |     |                               |
| 出血例数                                                   |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |  |                   |                     |                    |                |               |        |                               |          |   |    |   |    |       |                    |          |   |    |   |    |       |                   |         |   |    |   |    |       |                    |                |  |     |     |        |                   |  |              |  |   |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                         |    |    |     |    |     |                               |
| 3                                                      | RCT                 | 173                | 172            | <table><thead><tr><th>Study or Subgroup</th><th>Experimental Events</th><th>Experimental Total</th><th>Control Events</th><th>Control Total</th><th>Weight</th><th>Risk Ratio M-H, Fixed, 95% CI</th></tr></thead><tbody><tr><td>李君颜 2021</td><td>1</td><td>75</td><td>0</td><td>75</td><td>16.6%</td><td>3.00 [0.12, 72.49]</td></tr><tr><td>步桂芝 2014</td><td>0</td><td>53</td><td>1</td><td>52</td><td>50.2%</td><td>0.33 [0.01, 7.85]</td></tr><tr><td>陈宁 2017</td><td>2</td><td>45</td><td>1</td><td>45</td><td>33.2%</td><td>2.00 [0.19, 21.28]</td></tr><tr><td colspan="2">Total (95% CI)</td><td>173</td><td>172</td><td>100.0%</td><td>1.33 [0.30, 5.82]</td><td></td></tr><tr><td colspan="2">Total events</td><td>3</td><td>2</td><td colspan="3"></td></tr><tr><td colspan="7">Heterogeneity: Chi² = 1.11, df = 2 (P = 0.57); I² = 0%</td></tr><tr><td colspan="7">Test for overall effect: Z = 0.37 (P = 0.71)</td></tr></tbody></table> |                   |                               |  | Study or Subgroup | Experimental Events | Experimental Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI | 李君颜 2021 | 1 | 75 | 0 | 75 | 16.6% | 3.00 [0.12, 72.49] | 步桂芝 2014 | 0 | 53 | 1 | 52 | 50.2% | 0.33 [0.01, 7.85] | 陈宁 2017 | 2 | 45 | 1 | 45 | 33.2% | 2.00 [0.19, 21.28] | Total (95% CI) |  | 173 | 172 | 100.0% | 1.33 [0.30, 5.82] |  | Total events |  | 3 | 2 |  |  |  | Heterogeneity: Chi² = 1.11, df = 2 (P = 0.57); I² = 0% |  |  |  |  |  |  | Test for overall effect: Z = 0.37 (P = 0.71) |  |  |  |  |  |  | RR=1.33<br>[0.30, 5.82] | 严重 | 严重 | 不严重 | 严重 | 不严重 | <div>⊕○○○</div> <div>D级</div> |
| Study or Subgroup                                      | Experimental Events | Experimental Total | Control Events | Control Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Weight            | Risk Ratio M-H, Fixed, 95% CI |  |                   |                     |                    |                |               |        |                               |          |   |    |   |    |       |                    |          |   |    |   |    |       |                   |         |   |    |   |    |       |                    |                |  |     |     |        |                   |  |              |  |   |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                         |    |    |     |    |     |                               |
| 李君颜 2021                                               | 1                   | 75                 | 0              | 75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16.6%             | 3.00 [0.12, 72.49]            |  |                   |                     |                    |                |               |        |                               |          |   |    |   |    |       |                    |          |   |    |   |    |       |                   |         |   |    |   |    |       |                    |                |  |     |     |        |                   |  |              |  |   |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                         |    |    |     |    |     |                               |
| 步桂芝 2014                                               | 0                   | 53                 | 1              | 52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 50.2%             | 0.33 [0.01, 7.85]             |  |                   |                     |                    |                |               |        |                               |          |   |    |   |    |       |                    |          |   |    |   |    |       |                   |         |   |    |   |    |       |                    |                |  |     |     |        |                   |  |              |  |   |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                         |    |    |     |    |     |                               |
| 陈宁 2017                                                | 2                   | 45                 | 1              | 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 33.2%             | 2.00 [0.19, 21.28]            |  |                   |                     |                    |                |               |        |                               |          |   |    |   |    |       |                    |          |   |    |   |    |       |                   |         |   |    |   |    |       |                    |                |  |     |     |        |                   |  |              |  |   |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                         |    |    |     |    |     |                               |
| Total (95% CI)                                         |                     | 173                | 172            | 100.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.33 [0.30, 5.82] |                               |  |                   |                     |                    |                |               |        |                               |          |   |    |   |    |       |                    |          |   |    |   |    |       |                   |         |   |    |   |    |       |                    |                |  |     |     |        |                   |  |              |  |   |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                         |    |    |     |    |     |                               |
| Total events                                           |                     | 3                  | 2              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |  |                   |                     |                    |                |               |        |                               |          |   |    |   |    |       |                    |          |   |    |   |    |       |                   |         |   |    |   |    |       |                    |                |  |     |     |        |                   |  |              |  |   |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                         |    |    |     |    |     |                               |
| Heterogeneity: Chi² = 1.11, df = 2 (P = 0.57); I² = 0% |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |  |                   |                     |                    |                |               |        |                               |          |   |    |   |    |       |                    |          |   |    |   |    |       |                   |         |   |    |   |    |       |                    |                |  |     |     |        |                   |  |              |  |   |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                         |    |    |     |    |     |                               |
| Test for overall effect: Z = 0.37 (P = 0.71)           |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |  |                   |                     |                    |                |               |        |                               |          |   |    |   |    |       |                    |          |   |    |   |    |       |                   |         |   |    |   |    |       |                    |                |  |     |     |        |                   |  |              |  |   |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                         |    |    |     |    |     |                               |
|                                                        |                     |                    |                | <div>0.01 0.1 1 10 100</div> <div>对照组 观察组</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |  |                   |                     |                    |                |               |        |                               |          |   |    |   |    |       |                    |          |   |    |   |    |       |                   |         |   |    |   |    |       |                    |                |  |     |     |        |                   |  |              |  |   |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                         |    |    |     |    |     |                               |

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[1] 李君颜. 疏血通注射液配合奥扎格雷在急性脑梗死治疗中的应用观察[J]. 实用中西医结合临床, 2021, 21(6):2.

[2] 陈宁, 王文安. 疏血通注射液联合奥扎格雷对急性脑梗死患者的影响[J]. 实用心脑血管病杂志, 2017, 25(10):135-137.

[3] 步桂芝. 疏血通注射液与奥扎格雷钠治疗脑血栓的临床探讨[J]. 中国卫生产业, 2014, 11(02):81-82.

**B. 6. 7 脑梗死急性期患者，应用疏血通注射液合并抗凝药物（华法林、低分子肝素、新型抗凝药等），是否增加出血风险？**

| 共识问题                                                | P（研究对象）                                                                                                          | I（干预措施）             | C（对照措施）             | O（结局指标）          |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|------------------|
| 脑梗死急性期患者，应用疏血通注射液合并抗凝药物（华法林、低分子肝素、新型抗凝药等），是否增加出血风险？ | 脑梗死急性期患者                                                                                                         | 疏血通注射液+低分子肝素+西医常规治疗 | 低分子肝素/疏血通注射液+西医常规治疗 | 关键结局指标：发生出血事件的例数 |
| 研究类型及数量                                             | 4项RCT                                                                                                            |                     |                     |                  |
| 效应值及可信区间                                            | RR=1.81, 95%CI[0.89, 3.67], P=0.10<br>①RR=1.57, 95%CI[0.55, 4.55], P=0.40<br>②RR=2.00, 95%CI[0.77, 5.18], P=0.15 |                     |                     |                  |
| 证据等级                                                | D级证据                                                                                                             |                     |                     |                  |
| 是否升级或降级                                             | 降级                                                                                                               |                     |                     |                  |
| 升级或降级因素                                             | 严重偏倚风险、严重不一致性、严重不精确性                                                                                             |                     |                     |                  |
| 结论                                                  | 脑梗死急性期患者，根据临床病情需要，疏血通注射液可与抗凝药物（华法林、低分子肝素、新型抗凝药等）联合使用，但应提前对患者的出血风险进行评估，监测凝血功能。目前应用疏血通注射液合并低分子肝素尚未见增加出血风险的报道。      |                     |                     |                  |

| 概况                                                                     |                     | 样本量                |                | 效果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |                    |  | 质量评价              |                     |                    |                |               | 证据质量   |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
|------------------------------------------------------------------------|---------------------|--------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------|--|-------------------|---------------------|--------------------|----------------|---------------|--------|--------------------|-----------------------------------|--|--|--|--|--|--|----------|---|----|---|----|-------|-------------------|-------------------|---|----|---|----|-------|-------------------|--------------|---|--|---|--|--|--|-------------------------------|--|--|--|--|--|--|----------------------------------------------|--|--|--|--|--|--|---------------------------------|--|--|--|--|--|--|----------|---|----|---|----|-------|-------------------|---------|---|----|---|----|------|--------------------|----------|---|----|---|----|-------|-------------------|-------------------|----|-----|---|-----|-------|-------------------|--------------|----|--|---|--|--|--|--------------------------------------------------------|--|--|--|--|--|--|----------------------------------------------|--|--|--|--|--|--|----------------|--|--|--|--|--|--|--|----|-----|----|-----|--------|-------------------|--------------|--|--|--|--|--|--|--------------------------------------------------------|--|--|--|--|--|--|----------------------------------------------|--|--|--|--|--|--|------------------------------------------------------------------------|--|--|--|--|--|--|-------------------------|----|----|-----|----|-----|------------|
| 数量                                                                     | 研究设计                | 干预组                | 对照组            | Meta分析结果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                    |  | 95%可信区间           | 偏倚风险                | 不一致性               | 间接性            | 不精确性          |        | 其他偏倚               |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 出血例数（常规+低分子肝素vs常规+低分子肝素+疏血通）                                           |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 1                                                                      | RCT                 | 63                 | 62             | <table><thead><tr><th>Study or Subgroup</th><th>Experimental Events</th><th>Experimental Total</th><th>Control Events</th><th>Control Total</th><th>Weight</th><th>M-H, Fixed, 95% CI</th></tr></thead><tbody><tr><td colspan="7">1.1.1 常规+低分子肝素vs常规+低分子肝素+疏血通（4ml）</td></tr><tr><td>孙保军 2008</td><td>8</td><td>63</td><td>5</td><td>62</td><td>45.7%</td><td>1.57 [0.55, 4.55]</td></tr><tr><td>Subtotal (95% CI)</td><td>8</td><td>63</td><td>5</td><td>62</td><td>45.7%</td><td>1.57 [0.55, 4.55]</td></tr><tr><td>Total events</td><td>8</td><td></td><td>5</td><td></td><td></td><td></td></tr><tr><td colspan="7">Heterogeneity: Not applicable</td></tr><tr><td colspan="7">Test for overall effect: Z = 0.84 (P = 0.40)</td></tr><tr><td colspan="7">1.1.2 常规+疏血通vs常规+疏血通+低分子肝素（6ml）</td></tr><tr><td>冯春雷 2019</td><td>1</td><td>51</td><td>2</td><td>51</td><td>18.1%</td><td>0.50 [0.05, 5.34]</td></tr><tr><td>叶勇 2008</td><td>4</td><td>35</td><td>1</td><td>35</td><td>9.1%</td><td>4.00 [0.47, 34.02]</td></tr><tr><td>王丽英 2007</td><td>7</td><td>60</td><td>3</td><td>60</td><td>27.2%</td><td>2.33 [0.63, 8.60]</td></tr><tr><td>Subtotal (95% CI)</td><td>12</td><td>146</td><td>6</td><td>146</td><td>54.3%</td><td>2.00 [0.77, 5.18]</td></tr><tr><td>Total events</td><td>12</td><td></td><td>6</td><td></td><td></td><td></td></tr><tr><td colspan="7">Heterogeneity: Chi² = 1.77, df = 2 (P = 0.41); I² = 0%</td></tr><tr><td colspan="7">Test for overall effect: Z = 1.43 (P = 0.15)</td></tr><tr><td colspan="7">Total (95% CI)</td></tr><tr><td></td><td>20</td><td>209</td><td>11</td><td>208</td><td>100.0%</td><td>1.81 [0.89, 3.67]</td></tr><tr><td colspan="7">Total events</td></tr><tr><td colspan="7">Heterogeneity: Chi² = 1.87, df = 3 (P = 0.60); I² = 0%</td></tr><tr><td colspan="7">Test for overall effect: Z = 1.64 (P = 0.10)</td></tr><tr><td colspan="7">Test for subgroup differences: Chi² = 0.11, df = 1 (P = 0.74), I² = 0%</td></tr></tbody></table> |        |                    |  | Study or Subgroup | Experimental Events | Experimental Total | Control Events | Control Total | Weight | M-H, Fixed, 95% CI | 1.1.1 常规+低分子肝素vs常规+低分子肝素+疏血通（4ml） |  |  |  |  |  |  | 孙保军 2008 | 8 | 63 | 5 | 62 | 45.7% | 1.57 [0.55, 4.55] | Subtotal (95% CI) | 8 | 63 | 5 | 62 | 45.7% | 1.57 [0.55, 4.55] | Total events | 8 |  | 5 |  |  |  | Heterogeneity: Not applicable |  |  |  |  |  |  | Test for overall effect: Z = 0.84 (P = 0.40) |  |  |  |  |  |  | 1.1.2 常规+疏血通vs常规+疏血通+低分子肝素（6ml） |  |  |  |  |  |  | 冯春雷 2019 | 1 | 51 | 2 | 51 | 18.1% | 0.50 [0.05, 5.34] | 叶勇 2008 | 4 | 35 | 1 | 35 | 9.1% | 4.00 [0.47, 34.02] | 王丽英 2007 | 7 | 60 | 3 | 60 | 27.2% | 2.33 [0.63, 8.60] | Subtotal (95% CI) | 12 | 146 | 6 | 146 | 54.3% | 2.00 [0.77, 5.18] | Total events | 12 |  | 6 |  |  |  | Heterogeneity: Chi² = 1.77, df = 2 (P = 0.41); I² = 0% |  |  |  |  |  |  | Test for overall effect: Z = 1.43 (P = 0.15) |  |  |  |  |  |  | Total (95% CI) |  |  |  |  |  |  |  | 20 | 209 | 11 | 208 | 100.0% | 1.81 [0.89, 3.67] | Total events |  |  |  |  |  |  | Heterogeneity: Chi² = 1.87, df = 3 (P = 0.60); I² = 0% |  |  |  |  |  |  | Test for overall effect: Z = 1.64 (P = 0.10) |  |  |  |  |  |  | Test for subgroup differences: Chi² = 0.11, df = 1 (P = 0.74), I² = 0% |  |  |  |  |  |  | RR=1.57<br>[0.55, 4.55] | 严重 | 严重 | 不严重 | 严重 | 不严重 | ⊕○○○<br>D级 |
| Study or Subgroup                                                      | Experimental Events | Experimental Total | Control Events | Control Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Weight | M-H, Fixed, 95% CI |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 1.1.1 常规+低分子肝素vs常规+低分子肝素+疏血通（4ml）                                      |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 孙保军 2008                                                               | 8                   | 63                 | 5              | 62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 45.7%  | 1.57 [0.55, 4.55]  |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Subtotal (95% CI)                                                      | 8                   | 63                 | 5              | 62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 45.7%  | 1.57 [0.55, 4.55]  |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Total events                                                           | 8                   |                    | 5              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Heterogeneity: Not applicable                                          |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Test for overall effect: Z = 0.84 (P = 0.40)                           |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 1.1.2 常规+疏血通vs常规+疏血通+低分子肝素（6ml）                                        |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 冯春雷 2019                                                               | 1                   | 51                 | 2              | 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 18.1%  | 0.50 [0.05, 5.34]  |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 叶勇 2008                                                                | 4                   | 35                 | 1              | 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9.1%   | 4.00 [0.47, 34.02] |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 王丽英 2007                                                               | 7                   | 60                 | 3              | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 27.2%  | 2.33 [0.63, 8.60]  |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Subtotal (95% CI)                                                      | 12                  | 146                | 6              | 146                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 54.3%  | 2.00 [0.77, 5.18]  |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Total events                                                           | 12                  |                    | 6              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Heterogeneity: Chi² = 1.77, df = 2 (P = 0.41); I² = 0%                 |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Test for overall effect: Z = 1.43 (P = 0.15)                           |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Total (95% CI)                                                         |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
|                                                                        | 20                  | 209                | 11             | 208                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 100.0% | 1.81 [0.89, 3.67]  |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Total events                                                           |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Heterogeneity: Chi² = 1.87, df = 3 (P = 0.60); I² = 0%                 |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Test for overall effect: Z = 1.64 (P = 0.10)                           |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Test for subgroup differences: Chi² = 0.11, df = 1 (P = 0.74), I² = 0% |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 出血例数（常规+疏血通vs常规+疏血通+低分子肝素）                                             |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 3                                                                      | RCT                 | 146                | 146            | <table><thead><tr><th>Study or Subgroup</th><th>Experimental Events</th><th>Experimental Total</th><th>Control Events</th><th>Control Total</th><th>Weight</th><th>M-H, Fixed, 95% CI</th></tr></thead><tbody><tr><td colspan="7">1.1.1 常规+低分子肝素vs常规+低分子肝素+疏血通（4ml）</td></tr><tr><td>孙保军 2008</td><td>8</td><td>63</td><td>5</td><td>62</td><td>45.7%</td><td>1.57 [0.55, 4.55]</td></tr><tr><td>Subtotal (95% CI)</td><td>8</td><td>63</td><td>5</td><td>62</td><td>45.7%</td><td>1.57 [0.55, 4.55]</td></tr><tr><td>Total events</td><td>8</td><td></td><td>5</td><td></td><td></td><td></td></tr><tr><td colspan="7">Heterogeneity: Not applicable</td></tr><tr><td colspan="7">Test for overall effect: Z = 0.84 (P = 0.40)</td></tr><tr><td colspan="7">1.1.2 常规+疏血通vs常规+疏血通+低分子肝素（6ml）</td></tr><tr><td>冯春雷 2019</td><td>1</td><td>51</td><td>2</td><td>51</td><td>18.1%</td><td>0.50 [0.05, 5.34]</td></tr><tr><td>叶勇 2008</td><td>4</td><td>35</td><td>1</td><td>35</td><td>9.1%</td><td>4.00 [0.47, 34.02]</td></tr><tr><td>王丽英 2007</td><td>7</td><td>60</td><td>3</td><td>60</td><td>27.2%</td><td>2.33 [0.63, 8.60]</td></tr><tr><td>Subtotal (95% CI)</td><td>12</td><td>146</td><td>6</td><td>146</td><td>54.3%</td><td>2.00 [0.77, 5.18]</td></tr><tr><td>Total events</td><td>12</td><td></td><td>6</td><td></td><td></td><td></td></tr><tr><td colspan="7">Heterogeneity: Chi² = 1.77, df = 2 (P = 0.41); I² = 0%</td></tr><tr><td colspan="7">Test for overall effect: Z = 1.43 (P = 0.15)</td></tr><tr><td colspan="7">Total (95% CI)</td></tr><tr><td></td><td>20</td><td>209</td><td>11</td><td>208</td><td>100.0%</td><td>1.81 [0.89, 3.67]</td></tr><tr><td colspan="7">Total events</td></tr><tr><td colspan="7">Heterogeneity: Chi² = 1.87, df = 3 (P = 0.60); I² = 0%</td></tr><tr><td colspan="7">Test for overall effect: Z = 1.64 (P = 0.10)</td></tr><tr><td colspan="7">Test for subgroup differences: Chi² = 0.11, df = 1 (P = 0.74), I² = 0%</td></tr></tbody></table> |        |                    |  | Study or Subgroup | Experimental Events | Experimental Total | Control Events | Control Total | Weight | M-H, Fixed, 95% CI | 1.1.1 常规+低分子肝素vs常规+低分子肝素+疏血通（4ml） |  |  |  |  |  |  | 孙保军 2008 | 8 | 63 | 5 | 62 | 45.7% | 1.57 [0.55, 4.55] | Subtotal (95% CI) | 8 | 63 | 5 | 62 | 45.7% | 1.57 [0.55, 4.55] | Total events | 8 |  | 5 |  |  |  | Heterogeneity: Not applicable |  |  |  |  |  |  | Test for overall effect: Z = 0.84 (P = 0.40) |  |  |  |  |  |  | 1.1.2 常规+疏血通vs常规+疏血通+低分子肝素（6ml） |  |  |  |  |  |  | 冯春雷 2019 | 1 | 51 | 2 | 51 | 18.1% | 0.50 [0.05, 5.34] | 叶勇 2008 | 4 | 35 | 1 | 35 | 9.1% | 4.00 [0.47, 34.02] | 王丽英 2007 | 7 | 60 | 3 | 60 | 27.2% | 2.33 [0.63, 8.60] | Subtotal (95% CI) | 12 | 146 | 6 | 146 | 54.3% | 2.00 [0.77, 5.18] | Total events | 12 |  | 6 |  |  |  | Heterogeneity: Chi² = 1.77, df = 2 (P = 0.41); I² = 0% |  |  |  |  |  |  | Test for overall effect: Z = 1.43 (P = 0.15) |  |  |  |  |  |  | Total (95% CI) |  |  |  |  |  |  |  | 20 | 209 | 11 | 208 | 100.0% | 1.81 [0.89, 3.67] | Total events |  |  |  |  |  |  | Heterogeneity: Chi² = 1.87, df = 3 (P = 0.60); I² = 0% |  |  |  |  |  |  | Test for overall effect: Z = 1.64 (P = 0.10) |  |  |  |  |  |  | Test for subgroup differences: Chi² = 0.11, df = 1 (P = 0.74), I² = 0% |  |  |  |  |  |  | RR=2.00<br>[0.77, 5.18] | 严重 | 严重 | 不严重 | 严重 | 不严重 | ⊕○○○<br>D级 |
| Study or Subgroup                                                      | Experimental Events | Experimental Total | Control Events | Control Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Weight | M-H, Fixed, 95% CI |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 1.1.1 常规+低分子肝素vs常规+低分子肝素+疏血通（4ml）                                      |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 孙保军 2008                                                               | 8                   | 63                 | 5              | 62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 45.7%  | 1.57 [0.55, 4.55]  |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Subtotal (95% CI)                                                      | 8                   | 63                 | 5              | 62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 45.7%  | 1.57 [0.55, 4.55]  |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Total events                                                           | 8                   |                    | 5              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Heterogeneity: Not applicable                                          |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Test for overall effect: Z = 0.84 (P = 0.40)                           |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 1.1.2 常规+疏血通vs常规+疏血通+低分子肝素（6ml）                                        |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 冯春雷 2019                                                               | 1                   | 51                 | 2              | 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 18.1%  | 0.50 [0.05, 5.34]  |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 叶勇 2008                                                                | 4                   | 35                 | 1              | 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9.1%   | 4.00 [0.47, 34.02] |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| 王丽英 2007                                                               | 7                   | 60                 | 3              | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 27.2%  | 2.33 [0.63, 8.60]  |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Subtotal (95% CI)                                                      | 12                  | 146                | 6              | 146                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 54.3%  | 2.00 [0.77, 5.18]  |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Total events                                                           | 12                  |                    | 6              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Heterogeneity: Chi² = 1.77, df = 2 (P = 0.41); I² = 0%                 |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Test for overall effect: Z = 1.43 (P = 0.15)                           |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Total (95% CI)                                                         |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
|                                                                        | 20                  | 209                | 11             | 208                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 100.0% | 1.81 [0.89, 3.67]  |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Total events                                                           |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Heterogeneity: Chi² = 1.87, df = 3 (P = 0.60); I² = 0%                 |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Test for overall effect: Z = 1.64 (P = 0.10)                           |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |
| Test for subgroup differences: Chi² = 0.11, df = 1 (P = 0.74), I² = 0% |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                    |  |                   |                     |                    |                |               |        |                    |                                   |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                 |  |  |  |  |  |  |          |   |    |   |    |       |                   |         |   |    |   |    |      |                    |          |   |    |   |    |       |                   |                   |    |     |   |     |       |                   |              |    |  |   |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |    |     |    |     |        |                   |              |  |  |  |  |  |  |                                                        |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |                         |    |    |     |    |     |            |

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| 共识问题                                                | P（研究对象）                                                                                                           | I（干预措施）            | C（对照措施）            | O（结局指标）          |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|------------------|
| 脑梗死急性期患者，应用疏血通注射液合并抗凝药物（华法林、低分子肝素、新型抗凝药等），是否增加出血风险？ | 脑梗死急性期患者                                                                                                          | 疏血通注射液+阿加曲班+西医常规治疗 | 阿加曲班/疏血通注射液+西医常规治疗 | 关键结局指标：发生出血事件的例数 |
| 研究类型及数量                                             | 2项RCT                                                                                                             |                    |                    |                  |
| 效应值及可信区间                                            | RR=1.40, 95%CI[0.29, 6.88], P=0.68<br>①RR=3.00, 95%CI[0.13, 70.83], P=0.50<br>②RR=1.00, 95%CI[0.15, 6.79], P=1.00 |                    |                    |                  |
| 证据等级                                                | D级证据                                                                                                              |                    |                    |                  |
| 是否升级或降级                                             | 降级                                                                                                                |                    |                    |                  |
| 升级或降级因素                                             | 严重偏倚风险、严重不一致性、严重不精确性                                                                                              |                    |                    |                  |
| 结论                                                  | 脑梗死急性期患者，根据临床病情需要，疏血通注射液可与抗凝药物（华法林、低分子肝素、新型抗凝药等）联合使用，但应提前对患者的出血风险进行评估，监测凝血功能。目前应用疏血通注射液合并阿加曲班尚未见增加出血风险的报道。        |                    |                    |                  |

| 概况                                                                                             |                     | 样本量                |                | 效果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                    |  | 质量评价              |                     |                    |                |               | 证据质量   |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
|------------------------------------------------------------------------------------------------|---------------------|--------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------|--|-------------------|---------------------|--------------------|----------------|---------------|--------|--------------------|---------------------------|--|--|--|--|--|--|---------|---|----|---|----|-------|--------------------|-------------------|---|----|---|----|-------|--------------------|--------------|---|--|---|--|--|--|-------------------------------|--|--|--|--|--|--|----------------------------------------------|--|--|--|--|--|--|----------------------------|--|--|--|--|--|--|----------|---|----|---|----|-------|-------------------|-------------------|---|----|---|----|-------|-------------------|--------------|---|--|---|--|--|--|-------------------------------|--|--|--|--|--|--|----------------------------------------------|--|--|--|--|--|--|----------------|--|--|--|--|--|--|--|---|----|---|----|--------|-------------------|--------------|---|--|---|--|--|--|--------------------------------------------------------------------------------|--|--|--|--|--|--|----------------------------------------------|--|--|--|--|--|--|------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--------------------------|-----|----|-----|----|-----|------------|
| 数量                                                                                             | 研究设计                | 干预组                | 对照组            | Meta分析结果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |                    |  | 95%可信区间           | 偏倚风险                | 不一致性               | 间接性            | 不精确性          |        | 其他偏倚               |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| 出血例数（常规+阿加曲班vs常规+阿加曲班+疏血通）                                                                     |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| 1                                                                                              | RCT                 | 30                 | 30             | <table><thead><tr><th>Study or Subgroup</th><th>Experimental Events</th><th>Experimental Total</th><th>Control Events</th><th>Control Total</th><th>Weight</th><th>M-H, Fixed, 95% CI</th></tr></thead><tbody><tr><td colspan="7">1.2.1 常规+疏血通vs常规+疏血通+阿加曲班</td></tr><tr><td>李华 2007</td><td>1</td><td>30</td><td>0</td><td>30</td><td>20.0%</td><td>3.00 [0.13, 70.83]</td></tr><tr><td>Subtotal (95% CI)</td><td>1</td><td>30</td><td>0</td><td>30</td><td>20.0%</td><td>3.00 [0.13, 70.83]</td></tr><tr><td>Total events</td><td>1</td><td></td><td>0</td><td></td><td></td><td></td></tr><tr><td colspan="7">Heterogeneity: Not applicable</td></tr><tr><td colspan="7">Test for overall effect: Z = 0.68 (P = 0.50)</td></tr><tr><td colspan="7">1.2.2 常规+阿加曲班vs常规+阿加曲班+疏血通</td></tr><tr><td>张铁衍 2020</td><td>2</td><td>44</td><td>2</td><td>44</td><td>80.0%</td><td>1.00 [0.15, 6.79]</td></tr><tr><td>Subtotal (95% CI)</td><td>2</td><td>44</td><td>2</td><td>44</td><td>80.0%</td><td>1.00 [0.15, 6.79]</td></tr><tr><td>Total events</td><td>3</td><td></td><td>2</td><td></td><td></td><td></td></tr><tr><td colspan="7">Heterogeneity: Not applicable</td></tr><tr><td colspan="7">Test for overall effect: Z = 0.00 (P = 1.00)</td></tr><tr><td colspan="7">Total (95% CI)</td></tr><tr><td></td><td>3</td><td>74</td><td>2</td><td>74</td><td>100.0%</td><td>1.40 [0.29, 6.88]</td></tr><tr><td>Total events</td><td>3</td><td></td><td>2</td><td></td><td></td><td></td></tr><tr><td colspan="7">Heterogeneity: Chi<sup>2</sup> = 0.34, df = 1 (P = 0.56); I<sup>2</sup> = 0%</td></tr><tr><td colspan="7">Test for overall effect: Z = 0.41 (P = 0.68)</td></tr><tr><td colspan="7">Test for subgroup differences: Chi<sup>2</sup> = 0.34, df = 1 (P = 0.56), I<sup>2</sup> = 0%</td></tr></tbody></table> |        |                    |  | Study or Subgroup | Experimental Events | Experimental Total | Control Events | Control Total | Weight | M-H, Fixed, 95% CI | 1.2.1 常规+疏血通vs常规+疏血通+阿加曲班 |  |  |  |  |  |  | 李华 2007 | 1 | 30 | 0 | 30 | 20.0% | 3.00 [0.13, 70.83] | Subtotal (95% CI) | 1 | 30 | 0 | 30 | 20.0% | 3.00 [0.13, 70.83] | Total events | 1 |  | 0 |  |  |  | Heterogeneity: Not applicable |  |  |  |  |  |  | Test for overall effect: Z = 0.68 (P = 0.50) |  |  |  |  |  |  | 1.2.2 常规+阿加曲班vs常规+阿加曲班+疏血通 |  |  |  |  |  |  | 张铁衍 2020 | 2 | 44 | 2 | 44 | 80.0% | 1.00 [0.15, 6.79] | Subtotal (95% CI) | 2 | 44 | 2 | 44 | 80.0% | 1.00 [0.15, 6.79] | Total events | 3 |  | 2 |  |  |  | Heterogeneity: Not applicable |  |  |  |  |  |  | Test for overall effect: Z = 0.00 (P = 1.00) |  |  |  |  |  |  | Total (95% CI) |  |  |  |  |  |  |  | 3 | 74 | 2 | 74 | 100.0% | 1.40 [0.29, 6.88] | Total events | 3 |  | 2 |  |  |  | Heterogeneity: Chi <sup>2</sup> = 0.34, df = 1 (P = 0.56); I <sup>2</sup> = 0% |  |  |  |  |  |  | Test for overall effect: Z = 0.41 (P = 0.68) |  |  |  |  |  |  | Test for subgroup differences: Chi <sup>2</sup> = 0.34, df = 1 (P = 0.56), I <sup>2</sup> = 0% |  |  |  |  |  |  |  | RR=3.00<br>[0.13, 70.83] | 严重  | 严重 | 不严重 | 严重 | 不严重 | ⊕○○○<br>D级 |
| Study or Subgroup                                                                              | Experimental Events | Experimental Total | Control Events | Control Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Weight | M-H, Fixed, 95% CI |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| 1.2.1 常规+疏血通vs常规+疏血通+阿加曲班                                                                      |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| 李华 2007                                                                                        | 1                   | 30                 | 0              | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20.0%  | 3.00 [0.13, 70.83] |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Subtotal (95% CI)                                                                              | 1                   | 30                 | 0              | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20.0%  | 3.00 [0.13, 70.83] |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Total events                                                                                   | 1                   |                    | 0              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Heterogeneity: Not applicable                                                                  |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Test for overall effect: Z = 0.68 (P = 0.50)                                                   |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| 1.2.2 常规+阿加曲班vs常规+阿加曲班+疏血通                                                                     |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| 张铁衍 2020                                                                                       | 2                   | 44                 | 2              | 44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 80.0%  | 1.00 [0.15, 6.79]  |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Subtotal (95% CI)                                                                              | 2                   | 44                 | 2              | 44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 80.0%  | 1.00 [0.15, 6.79]  |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Total events                                                                                   | 3                   |                    | 2              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Heterogeneity: Not applicable                                                                  |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Test for overall effect: Z = 0.00 (P = 1.00)                                                   |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Total (95% CI)                                                                                 |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
|                                                                                                | 3                   | 74                 | 2              | 74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 100.0% | 1.40 [0.29, 6.88]  |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Total events                                                                                   | 3                   |                    | 2              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Heterogeneity: Chi <sup>2</sup> = 0.34, df = 1 (P = 0.56); I <sup>2</sup> = 0%                 |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Test for overall effect: Z = 0.41 (P = 0.68)                                                   |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Test for subgroup differences: Chi <sup>2</sup> = 0.34, df = 1 (P = 0.56), I <sup>2</sup> = 0% |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| 出血例数（常规+疏血通vs常规+疏血通+阿加曲班）                                                                      |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| 1                                                                                              | RCT                 | 44                 | 44             | <table><thead><tr><th>Study or Subgroup</th><th>Experimental Events</th><th>Experimental Total</th><th>Control Events</th><th>Control Total</th><th>Weight</th><th>M-H, Fixed, 95% CI</th></tr></thead><tbody><tr><td colspan="7">1.2.1 常规+疏血通vs常规+疏血通+阿加曲班</td></tr><tr><td>李华 2007</td><td>1</td><td>30</td><td>0</td><td>30</td><td>20.0%</td><td>3.00 [0.13, 70.83]</td></tr><tr><td>Subtotal (95% CI)</td><td>1</td><td>30</td><td>0</td><td>30</td><td>20.0%</td><td>3.00 [0.13, 70.83]</td></tr><tr><td>Total events</td><td>1</td><td></td><td>0</td><td></td><td></td><td></td></tr><tr><td colspan="7">Heterogeneity: Not applicable</td></tr><tr><td colspan="7">Test for overall effect: Z = 0.68 (P = 0.50)</td></tr><tr><td colspan="7">1.2.2 常规+阿加曲班vs常规+阿加曲班+疏血通</td></tr><tr><td>张铁衍 2020</td><td>2</td><td>44</td><td>2</td><td>44</td><td>80.0%</td><td>1.00 [0.15, 6.79]</td></tr><tr><td>Subtotal (95% CI)</td><td>2</td><td>44</td><td>2</td><td>44</td><td>80.0%</td><td>1.00 [0.15, 6.79]</td></tr><tr><td>Total events</td><td>3</td><td></td><td>2</td><td></td><td></td><td></td></tr><tr><td colspan="7">Heterogeneity: Not applicable</td></tr><tr><td colspan="7">Test for overall effect: Z = 0.00 (P = 1.00)</td></tr><tr><td colspan="7">Total (95% CI)</td></tr><tr><td></td><td>3</td><td>74</td><td>2</td><td>74</td><td>100.0%</td><td>1.40 [0.29, 6.88]</td></tr><tr><td>Total events</td><td>3</td><td></td><td>2</td><td></td><td></td><td></td></tr><tr><td colspan="7">Heterogeneity: Chi<sup>2</sup> = 0.34, df = 1 (P = 0.56); I<sup>2</sup> = 0%</td></tr><tr><td colspan="7">Test for overall effect: Z = 0.41 (P = 0.68)</td></tr><tr><td colspan="7">Test for subgroup differences: Chi<sup>2</sup> = 0.34, df = 1 (P = 0.56), I<sup>2</sup> = 0%</td></tr></tbody></table> |        |                    |  | Study or Subgroup | Experimental Events | Experimental Total | Control Events | Control Total | Weight | M-H, Fixed, 95% CI | 1.2.1 常规+疏血通vs常规+疏血通+阿加曲班 |  |  |  |  |  |  | 李华 2007 | 1 | 30 | 0 | 30 | 20.0% | 3.00 [0.13, 70.83] | Subtotal (95% CI) | 1 | 30 | 0 | 30 | 20.0% | 3.00 [0.13, 70.83] | Total events | 1 |  | 0 |  |  |  | Heterogeneity: Not applicable |  |  |  |  |  |  | Test for overall effect: Z = 0.68 (P = 0.50) |  |  |  |  |  |  | 1.2.2 常规+阿加曲班vs常规+阿加曲班+疏血通 |  |  |  |  |  |  | 张铁衍 2020 | 2 | 44 | 2 | 44 | 80.0% | 1.00 [0.15, 6.79] | Subtotal (95% CI) | 2 | 44 | 2 | 44 | 80.0% | 1.00 [0.15, 6.79] | Total events | 3 |  | 2 |  |  |  | Heterogeneity: Not applicable |  |  |  |  |  |  | Test for overall effect: Z = 0.00 (P = 1.00) |  |  |  |  |  |  | Total (95% CI) |  |  |  |  |  |  |  | 3 | 74 | 2 | 74 | 100.0% | 1.40 [0.29, 6.88] | Total events | 3 |  | 2 |  |  |  | Heterogeneity: Chi <sup>2</sup> = 0.34, df = 1 (P = 0.56); I <sup>2</sup> = 0% |  |  |  |  |  |  | Test for overall effect: Z = 0.41 (P = 0.68) |  |  |  |  |  |  | Test for subgroup differences: Chi <sup>2</sup> = 0.34, df = 1 (P = 0.56), I <sup>2</sup> = 0% |  |  |  |  |  |  |  | RR=1.00<br>[0.15, 6.79]  | 不严重 | 严重 | 不严重 | 严重 | 不严重 | ⊕⊕○○<br>C级 |
| Study or Subgroup                                                                              | Experimental Events | Experimental Total | Control Events | Control Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Weight | M-H, Fixed, 95% CI |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| 1.2.1 常规+疏血通vs常规+疏血通+阿加曲班                                                                      |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| 李华 2007                                                                                        | 1                   | 30                 | 0              | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20.0%  | 3.00 [0.13, 70.83] |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Subtotal (95% CI)                                                                              | 1                   | 30                 | 0              | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20.0%  | 3.00 [0.13, 70.83] |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Total events                                                                                   | 1                   |                    | 0              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Heterogeneity: Not applicable                                                                  |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Test for overall effect: Z = 0.68 (P = 0.50)                                                   |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| 1.2.2 常规+阿加曲班vs常规+阿加曲班+疏血通                                                                     |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| 张铁衍 2020                                                                                       | 2                   | 44                 | 2              | 44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 80.0%  | 1.00 [0.15, 6.79]  |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Subtotal (95% CI)                                                                              | 2                   | 44                 | 2              | 44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 80.0%  | 1.00 [0.15, 6.79]  |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Total events                                                                                   | 3                   |                    | 2              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Heterogeneity: Not applicable                                                                  |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Test for overall effect: Z = 0.00 (P = 1.00)                                                   |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Total (95% CI)                                                                                 |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
|                                                                                                | 3                   | 74                 | 2              | 74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 100.0% | 1.40 [0.29, 6.88]  |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Total events                                                                                   | 3                   |                    | 2              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Heterogeneity: Chi <sup>2</sup> = 0.34, df = 1 (P = 0.56); I <sup>2</sup> = 0%                 |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Test for overall effect: Z = 0.41 (P = 0.68)                                                   |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |
| Test for subgroup differences: Chi <sup>2</sup> = 0.34, df = 1 (P = 0.56), I <sup>2</sup> = 0% |                     |                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |  |                   |                     |                    |                |               |        |                    |                           |  |  |  |  |  |  |         |   |    |   |    |       |                    |                   |   |    |   |    |       |                    |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                            |  |  |  |  |  |  |          |   |    |   |    |       |                   |                   |   |    |   |    |       |                   |              |   |  |   |  |  |  |                               |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                |  |  |  |  |  |  |  |   |    |   |    |        |                   |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                                                                                |  |  |  |  |  |  |  |                          |     |    |     |    |     |            |

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#### B. 6. 8 脑梗死患者，应用疏血通注射液合并降纤药物，是否增加出血风险？

| 共识问题                              | P（研究对象）                                    | I（干预措施）           | C（对照措施）       | O（结局指标）          |
|-----------------------------------|--------------------------------------------|-------------------|---------------|------------------|
| 脑梗死急性期患者，应用疏血通注射液合并降纤药物，是否增加出血风险？ | 脑梗死急性期患者                                   | 疏血通注射液+巴曲酶+西医常规治疗 | 疏血通注射液+西医常规治疗 | 关键结局指标：发生出血事件的例数 |
| 研究类型及数量                           | 3项RCT                                      |                   |               |                  |
| 效应值及可信区间                          | RR=3.41，95%CI[0.62，18.77]，P=0.16           |                   |               |                  |
| 证据等级                              | D级证据                                       |                   |               |                  |
| 是否升级或降级                           | 降级                                         |                   |               |                  |
| 升级或降级因素                           | 严重偏倚风险、严重不一致性、严重不精确性                       |                   |               |                  |
| 结论                                | 脑梗死急性期患者，根据病情需要，疏血通注射液可以与降纤药物联合使用，不增加出血风险。 |                   |               |                  |

| 概况                                                                             |              | 样本量         |             | 效果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |                                  |  |  | 质量评价              |              |          |         |          | 证据质量   |                                  |        |       |        |       |          |   |    |   |    |       |                     |         |   |    |   |    |       |                    |          |   |    |   |    |  |               |                |  |     |  |     |        |                    |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                     |    |    |         |    |         |             |
|--------------------------------------------------------------------------------|--------------|-------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------------|--|--|-------------------|--------------|----------|---------|----------|--------|----------------------------------|--------|-------|--------|-------|----------|---|----|---|----|-------|---------------------|---------|---|----|---|----|-------|--------------------|----------|---|----|---|----|--|---------------|----------------|--|-----|--|-----|--------|--------------------|--------------|---|--|---|--|--|--|--------------------------------------------------------------------------------|--|--|--|--|--|--|----------------------------------------------|--|--|--|--|--|--|-------------------------------------|----|----|---------|----|---------|-------------|
| 数量                                                                             | 研究设计         | 干<br>预<br>组 | 对<br>照<br>组 | Meta分析结果                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                                  |  |  | 95%<br>可信<br>区间   | 偏倚<br>风险     | 不一<br>致性 | 间接性     | 不精<br>确性 |        | 其他<br>偏倚                         |        |       |        |       |          |   |    |   |    |       |                     |         |   |    |   |    |       |                    |          |   |    |   |    |  |               |                |  |     |  |     |        |                    |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                     |    |    |         |    |         |             |
|                                                                                |              |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                                  |  |  |                   |              |          |         |          |        |                                  |        |       |        |       |          |   |    |   |    |       |                     |         |   |    |   |    |       |                    |          |   |    |   |    |  |               |                |  |     |  |     |        |                    |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                     |    |    |         |    |         |             |
| 出血例数                                                                           |              |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                                  |  |  |                   |              |          |         |          |        |                                  |        |       |        |       |          |   |    |   |    |       |                     |         |   |    |   |    |       |                    |          |   |    |   |    |  |               |                |  |     |  |     |        |                    |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                     |    |    |         |    |         |             |
| 3                                                                              | RC<br>T      | 12<br>7     | 10<br>5     | <table><thead><tr><th rowspan="2">Study or Subgroup</th><th colspan="2">Experimental</th><th colspan="2">Control</th><th rowspan="2">Weight</th><th rowspan="2">Risk Ratio<br/>M-H, Fixed, 95% CI</th></tr><tr><th>Events</th><th>Total</th><th>Events</th><th>Total</th></tr></thead><tbody><tr><td>区保刚 2015</td><td>3</td><td>35</td><td>0</td><td>35</td><td>29.1%</td><td>7.00 [0.37, 130.69]</td></tr><tr><td>夏磊 2009</td><td>3</td><td>62</td><td>1</td><td>40</td><td>70.9%</td><td>1.94 [0.21, 17.96]</td></tr><tr><td>张瑞杰 2016</td><td>0</td><td>30</td><td>0</td><td>30</td><td></td><td>Not estimable</td></tr><tr><td>Total (95% CI)</td><td></td><td>127</td><td></td><td>105</td><td>100.0%</td><td>3.41 [0.62, 18.77]</td></tr><tr><td>Total events</td><td>6</td><td></td><td>1</td><td></td><td></td><td></td></tr><tr><td colspan="7">Heterogeneity: Chi<sup>2</sup> = 0.48, df = 1 (P = 0.49); I<sup>2</sup> = 0%</td></tr><tr><td colspan="7">Test for overall effect: Z = 1.41 (P = 0.16)</td></tr></tbody></table> |        |                                  |  |  | Study or Subgroup | Experimental |          | Control |          | Weight | Risk Ratio<br>M-H, Fixed, 95% CI | Events | Total | Events | Total | 区保刚 2015 | 3 | 35 | 0 | 35 | 29.1% | 7.00 [0.37, 130.69] | 夏磊 2009 | 3 | 62 | 1 | 40 | 70.9% | 1.94 [0.21, 17.96] | 张瑞杰 2016 | 0 | 30 | 0 | 30 |  | Not estimable | Total (95% CI) |  | 127 |  | 105 | 100.0% | 3.41 [0.62, 18.77] | Total events | 6 |  | 1 |  |  |  | Heterogeneity: Chi <sup>2</sup> = 0.48, df = 1 (P = 0.49); I <sup>2</sup> = 0% |  |  |  |  |  |  | Test for overall effect: Z = 1.41 (P = 0.16) |  |  |  |  |  |  | RR=3<br>.41<br>[0.62<br>,<br>18.77] | 严重 | 严重 | 不<br>严重 | 严重 | 不<br>严重 | ⊕○○○○<br>D级 |
| Study or Subgroup                                                              | Experimental |             | Control     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Weight | Risk Ratio<br>M-H, Fixed, 95% CI |  |  |                   |              |          |         |          |        |                                  |        |       |        |       |          |   |    |   |    |       |                     |         |   |    |   |    |       |                    |          |   |    |   |    |  |               |                |  |     |  |     |        |                    |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                     |    |    |         |    |         |             |
|                                                                                | Events       | Total       | Events      | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |                                  |  |  |                   |              |          |         |          |        |                                  |        |       |        |       |          |   |    |   |    |       |                     |         |   |    |   |    |       |                    |          |   |    |   |    |  |               |                |  |     |  |     |        |                    |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                     |    |    |         |    |         |             |
| 区保刚 2015                                                                       | 3            | 35          | 0           | 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 29.1%  | 7.00 [0.37, 130.69]              |  |  |                   |              |          |         |          |        |                                  |        |       |        |       |          |   |    |   |    |       |                     |         |   |    |   |    |       |                    |          |   |    |   |    |  |               |                |  |     |  |     |        |                    |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                     |    |    |         |    |         |             |
| 夏磊 2009                                                                        | 3            | 62          | 1           | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 70.9%  | 1.94 [0.21, 17.96]               |  |  |                   |              |          |         |          |        |                                  |        |       |        |       |          |   |    |   |    |       |                     |         |   |    |   |    |       |                    |          |   |    |   |    |  |               |                |  |     |  |     |        |                    |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                     |    |    |         |    |         |             |
| 张瑞杰 2016                                                                       | 0            | 30          | 0           | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | Not estimable                    |  |  |                   |              |          |         |          |        |                                  |        |       |        |       |          |   |    |   |    |       |                     |         |   |    |   |    |       |                    |          |   |    |   |    |  |               |                |  |     |  |     |        |                    |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                     |    |    |         |    |         |             |
| Total (95% CI)                                                                 |              | 127         |             | 105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 100.0% | 3.41 [0.62, 18.77]               |  |  |                   |              |          |         |          |        |                                  |        |       |        |       |          |   |    |   |    |       |                     |         |   |    |   |    |       |                    |          |   |    |   |    |  |               |                |  |     |  |     |        |                    |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                     |    |    |         |    |         |             |
| Total events                                                                   | 6            |             | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                                  |  |  |                   |              |          |         |          |        |                                  |        |       |        |       |          |   |    |   |    |       |                     |         |   |    |   |    |       |                    |          |   |    |   |    |  |               |                |  |     |  |     |        |                    |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                     |    |    |         |    |         |             |
| Heterogeneity: Chi <sup>2</sup> = 0.48, df = 1 (P = 0.49); I <sup>2</sup> = 0% |              |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                                  |  |  |                   |              |          |         |          |        |                                  |        |       |        |       |          |   |    |   |    |       |                     |         |   |    |   |    |       |                    |          |   |    |   |    |  |               |                |  |     |  |     |        |                    |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                     |    |    |         |    |         |             |
| Test for overall effect: Z = 1.41 (P = 0.16)                                   |              |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                                  |  |  |                   |              |          |         |          |        |                                  |        |       |        |       |          |   |    |   |    |       |                     |         |   |    |   |    |       |                    |          |   |    |   |    |  |               |                |  |     |  |     |        |                    |              |   |  |   |  |  |  |                                                                                |  |  |  |  |  |  |                                              |  |  |  |  |  |  |                                     |    |    |         |    |         |             |

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