

Supplementary material

Search strategy

The following search strategy, using a combination of MeSH terms and free text terms, was used for MEDLINE (via PubMed) and modified for the other electronic database searches. The search was restricted to English language articles.

MEDLINE Search Strategy (via PubMed)

1. brain ischemia[MeSH Terms] or stroke[MeSH Terms] or intracranial embolism and thrombosis [MeSH Terms]
2. (ischemi* and stroke*).tw.
3. #1 or #2
4. reperfusion or interventional or thrombectomy or embolectomy or endovascular procedure or cerebral revascularization
5. (mechanical thrombol* or endovascular).tw.
6. (aspiration or thromboaspiration or embolectomy or thrombectomy or stent or recanalization).tw.
7. #4 or #5 or #6
8. thrombolytic therapy or fibrinolysis or fibrinolytic agents or plasminogen activators
9. (thromboly* or fibrinoly* or recanaliz* or recanaliz*).tw.
10. (tPA or t-PA or rtPA or rt-PA or plasminogen or plasmin or alteplase or actilyse).tw.
11. #8 or #9 or #10
12. balloon guiding catheter or balloon catheter
13. (fatal* or death or mortalit* or complication).tw.
14. Complications
15. Controlled clinical trials as topic[MH]
16. randomized controlled trial.pt.
17. controlled clinical trial.pt.
18. random*.tw.
19. controlled and (trial* or stud*).tw.

EMBASE Search Strategy (via OVID)

1. exp brain ischemia/ or exp brain infarction/ or exp stroke/ or exp brain embolism/
2. (isch?emi\$ adj6 (stroke\$ or apoplexy\$ or cerebral vasc\$ or cerebrovasc\$ or cva)).ti,ab.tw.
3. or/1-2
4. exp(cerebral revascularization or reperfusion or thrombectomy or embolectomy)/
5. exp(endovascular procedure or interventional or stent or catheters)/
6. (mechanical thrombol\$ or thromboaspiration or embolectomy or thrombectomy or recanalization).tw.
7. (angioplasty\$ or stent\$).tw.
8. ((clot or thromb\$ or thrombi or embol\$) adj5 (aspirat\$ or retriev\$ or extract\$)).tw.
9. ((retrieval or extraction) adj5 device\$).tw.
10. or/5-10
11. exp(thrombolytic therapy or fibrinolysis or fibrinolytic agents or plasminogen activators)/
12. (thromboly\$ or fibrinoly\$ or recanaliz\$ or recanaliz\$).tw.
13. ((clot\$ or thrombus) adj4 (lyse or lysis)).tw.
14. (tPA or t-PA or rtPA or rt-PA or plasminogen or plasmin or alteplase).tw.
15. or/11-14
16. exp balloon guiding catheter
17. exp Randomized Controlled Trials/as topic
18. exp random allocation/
19. exp Controlled clinical trials/
20. or/17-20

Cochrane Central Register of Controlled Trials (via OVID)

1. exp brain ischemia/ or exp stroke/
2. (isch?emi\$ adj6 (stroke\$ or cerebral vasc\$)).ti,ab,kw.
3. ((brain or cerebr\$) adj5 (isch?emi\$ or infarct\$ or thrombo\$ or emboli\$)).ti,ab,kw.
4. Or/1-3
5. exp (cerebral revascularization or reperfusion or thrombectomy or embolectomy)/
6. exp(endovascular procedure or interventional or stents or catheters)/
7. (mechanical thrombol\$ or thromboaspiration or embolectomy or thrombectomy or recanalization).ti,ab,kw.
8. (angioplasty\$ or stent\$).ti,ab,kw.
9. or/5-8
10. exp(thrombolytic therapy or fibrinolysis or fibrinolytic agents or plasminogen activators)/
11. (thromboly\$ or fibrinoly\$ or recanaliz\$ or recanaliz\$).ti,ab,kw.
12. ((clot\$ or thrombus) near (lyse or lysis)).ti,ab,kw.
13. (tPA or t-PA or rtPA or rt-PA or plasminogen or plasmin or alteplase).ti,ab,kw.
14. or/10-13
15. exp(balloon guiding catheter)
16. (fatal\$ or death or mortalit\$). ti,ab,kw.
17. or/15-16