**Supplementary Material 1**

**Detailed search strategy**

**Medline (Ovid):**

3 concepts below which were combined with AND function

1. Stroke [MeSH Terms] and (thrombectomy [MeSH Terms] or (endovascular or thrombectomy) [Free Text.mp]
2. anesthesia, general[MeSH Terms] or anesthesia, inhalation[MeSH Terms] or anesthesia, intravenous[MeSH Terms] or conscious sedation[MeSH Terms] or deep sedation[MeSH Terms]) or propofol[MeSH Terms] or desflurane[MeSH Terms] or sevoflurane[MeSH Terms] or isoflurane[MeSH Terms] or (sedation or an?esthe\* or general an?esthe\* or propofol or desflurane or sevoflurane or isoflurane)[Free Text.mp]
3. ((randomized controlled trial or controlled clinical trial).pt. or randomized.ab. or placebo.ab. or clinical trials as topic.sh. or randomly.ab. or trial.ti.) not (animals not (humans and animals)).sh.

|  |  |
| --- | --- |
| 1. stroke.mp. or exp Stroke/ |  |
| 2. thrombectomy/ |  |
| 3. (endovascular or thrombectomy).mp. |  |
| 4. 1 and (2 or 3) |  |
| 5. exp anesthesia, general/ or anesthesia, inhalation/ or anesthesia, intravenous/ or conscious sedation/ or deep sedation/ |  |
| 6. (sedation or an?esthe\* or general an?esthe\*).mp. |  |
| 7. propofol/ or desflurane/ or sevoflurane/ or isoflurane/ |  |
| 8. (propofol or desflurane or sevoflurane or isoflurane).mp. |  |
| 9. 5 or 6 or 7 or 8 |  |
| 10. ((randomized controlled trial or controlled clinical trial).pt. or randomized.ab. or placebo.ab. or clinical trials as topic.sh. or randomly.ab. or trial.ti.) not (animals not (humans and animals)).sh. 11. 4 and 9 and 10 |  |

**EMBASE (Ovid)**

1. cerebrovascular accident/exp or stroke.mp and thrombectomy/exp or (endovascular or thrombectomy).mp
2. sedation/exp or general anesthesia/exp or intravenous anesthesia/exp or propofol/ or desflurane/ or sevoflurane/ or isoflurane/ or inhalational anesthetic agent/exp or (propofol or desflurane or sevoflurane or isoflurane).mp
3. (random\* or factorial\* or crossover\* or cross over\* or cross-over\* or placebo\* or (doubl\* adj blind\*) or (singl\* adj blind\*) or assign\* or allocate\* or volunteer\*).mp. or crossover procedure/ or double blind procedure/ or randomized controlled trial/ or single blind procedure/
4. 1 and 2 and 3

**Cochrane Central Register of Controlled Trials**

|  |  |
| --- | --- |
| 1. stroke.mp. or exp Stroke/ |  |
| 2. thrombectomy/ |  |
| 3. (endovascular or thrombectomy).mp. [mp=title, original title, abstract, mesh headings, heading words, keyword] |  |
| 4. 1 and (2 or 3) |  |
| 5. exp anesthesia, general/ or anesthesia, inhalation/ or anesthesia, intravenous/ or conscious sedation/ or deep sedation/ or propofol/ or desflurane/ or sevoflurane/ or isoflurane/ |  |
| 6. (sedation or an?esthe$ or general an?esthe$ or propofol or desflurane or sevoflurane or isoflurane).mp. |  |
| 7. 5 or 6  8. 4 and 7  **Section 2**  Risk of bias assessment for individual studies using the Revised Cochrane risk-of-bias tool for randomized trials (RoB 2.0) 5, Version of 9th October 2018.  The five domains assessed were:   1. Risk of bias arising from the randomisation process 2. Risk of bias to deviations from the intended interventions 3. Missing outcome data 4. Risk of bias in measurement of the outcome 5. Risk of bias in selection of the reported result |  |
|  |  |