

Supplementary Table 1. Search strategy for each database

| Database | Order | Keywords                                                                                                                                                                                                                                                                | Results   |
|----------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| PubMed   | #1    | "Remimazolam"[Title/Abstract] OR "Byfavo"[Title/Abstract] OR "CNS-7056"[Title/Abstract]                                                                                                                                                                                 | 558       |
|          | #2    | "Volatile"[Title/Abstract] OR "Inhalation"[Title/Abstract] OR "gas"[Title/Abstract] OR "sevoflurane"[Title/Abstract] OR "desflurane"[Title/Abstract] OR "isoflurane"[Title/Abstract] OR "balanced anesthesia"[Title/Abstract] OR "balanced anaesthesia"[Title/Abstract] | 489,121   |
|          | #3    | "General"[Title/Abstract] OR "General Anesthesia"[Title/Abstract] OR "General Anaesthesia"[Title/Abstract] OR "general an*" [Title/Abstract] OR "Intubation"[Title/Abstract] OR "intubat*" [Title/Abstract]                                                             | 1,252,723 |
|          | #4    | #1 AND #2                                                                                                                                                                                                                                                               | 42        |
|          | #5    | #3 AND #4                                                                                                                                                                                                                                                               | <b>23</b> |
| EMBASE   | #1    | remimazolam:ti,ab,kw OR byfavo:ti,ab,kw OR 'cns-7056':ti,ab,kw                                                                                                                                                                                                          | 593       |
|          | #2    | volatile:ti,ab,kw OR inhalation:ti,ab,kw OR gas:ti,ab,kw OR sevoflurane:ti,ab,kw OR desflurane:ti,ab,kw OR isoflurane:ti,ab,kw OR 'balanced anesthesia':ti,ab,kw OR 'balanced anaesthesia':ti,ab,kw                                                                     | 584,898   |
|          | #3    | general:ti,ab,kw OR 'general anesthesia':ti,ab,kw OR 'general anaesthesia':ti,ab,kw OR 'general an*':ti,ab,kw OR intubation:ti,ab,kw OR intubat*:ti,ab,kw                                                                                                               | 1,671,954 |
|          | #4    | #1 AND #2                                                                                                                                                                                                                                                               | 41        |
|          | #5    | #3 AND #4                                                                                                                                                                                                                                                               | <b>22</b> |
| CENTRAL  | #1    | (Remimazolam OR Byfavo OR CNS-7056):ti,ab,kw                                                                                                                                                                                                                            | 897       |
|          | #2    | (Volatile OR Inhalation OR gas OR sevoflurane OR desflurane OR isoflurane OR "balanced anesthesia" OR "balanced anaesthesia"):ti,ab,kw                                                                                                                                  | 68,614    |
|          | #3    | (General OR "General Anesthesia" OR "General Anaesthesia" OR An* OR Intubation OR Intubat*):ti,ab,kw<br>(Word variations have been searched)                                                                                                                            | 2,161,365 |
|          | #4    | #1 AND #2                                                                                                                                                                                                                                                               | 99        |
|          | #5    | #3 AND #4                                                                                                                                                                                                                                                               | <b>99</b> |
| SCOPUS   | #1    | TITLE-ABS-KEY ( remimazolam OR byfavo OR cns-7056 )                                                                                                                                                                                                                     | 688       |
|          | #2    | TITLE-ABS-KEY ( volatile OR inhalation OR gas OR sevoflurane OR desflurane OR isoflurane OR "balanced anesthesia" OR "balanced anaesthesia" )                                                                                                                           | 3,106,100 |
|          | #3    | TITLE-ABS-KEY ( general OR "general anesthesia" OR "general anaesthesia" OR "general an*" OR intubation OR intubat* )                                                                                                                                                   | 3,953,302 |
|          | #4    | #1 AND #2                                                                                                                                                                                                                                                               | 105       |
|          | #5    | #3 AND #4                                                                                                                                                                                                                                                               | <b>71</b> |