Table S1. Search strategy for each database.

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| Database | Order | Keywords | Results |
| PubMed | #1 | “Anesthesia, spinal”[MH] | 11817 |
|  | #2 | spinal[TIAB] AND anesth\*[TIAB] | 18013 |
|  | #3 | spinal[TIAB] AND anaesth\*[TIAB] | 6960 |
|  | #4 | #1 OR #2 OR #3 | 27644 |
|  | #5 | lidocaine[MH] | 23737 |
|  | #6 | lidocaine[TIAB] | 21046 |
|  | #7 | lignocaine[TIAB] | 2816 |
|  | #8 | #5 OR #6 OR #7 | 32045 |
|  | #9 | #4 AND #8 | 1635 |
|  | #10 | #9 AND HSSS(S) | 534 |
| EMBASE | #1 | ‘Spinal anesthesia’/exp | 23007 |
|  | #2 | ‘spinal anesth\*’:ab,ti | 9573 |
|  | #3 | ‘spinal anaesth\*’:ab,ti | 4964 |
|  | #4 | #1 OR #2 OR #3 | 25083 |
|  | #5 | lidocaine/exp | 71324 |
|  | #6 | lidocaine:ab,ti | 27452 |
|  | #7 | lignocaine:ab,ti | 3546 |
|  | #8 | #5 OR #6 OR #7 | 75018 |
|  | #9 | #4 AND #8 | 2930 |
|  | #10 | crossover procedure'/exp OR 'crossover procedure' OR 'double blind procedure'/exp OR 'double blind procedure' OR 'randomized controlled trial'/exp OR 'randomized controlled trial' OR 'single blind procedure'/exp OR 'single blind procedure' OR random\* OR factorial\* OR crossover\* OR 'cross over' OR 'cross-over' OR placebo\* OR (doubl\* AND blind\*) OR (singl\* AND blind\*) OR assign\* OR allocat\* OR volunteer\* | 2376305 |
|  | #11 | #9 AND #10 | 760 |
|  | #12 | #11 AND [embase]/lim | 725 |
| CENTRAL | #1 | [mh “Anesthesia, Spinal”] | 2247 |
|  | #2 | spinal:ti,ab,kw AND anesth\*:ti,ab,kw | 8366 |
|  | #3 | spinal:ti,ab,kw AND anaesth\*:ti,ab,kw | 3122 |
|  | #4 | #1 OR #2 OR #3 | 9221 |
|  | #5 | [mh lidocaine] | 5364 |
|  | #6 | lidocaine:ti,ab,kw | 11063 |
|  | #7 | lignocaineti,ab,kw | 1529 |
|  | #8 | #5 OR #6 OR #7 | 11770 |
|  | #9 | #4 AND #8 | 864 |
|  | #10 | #9 in Trials | 860 |
| CINHAL | S1 | MH(Anesthesia, Spinal+) | 998 |
|  | S2 | TI(spinal anesth\*) OR AB(spinal anesth\*) | 410 |
|  | S3 | TI(spinal anaesth\*) OR AB(spinal anaesth\*) | 370 |
|  | S4 | S1 OR S2 OR S3 | 1238 |
|  | S5 | MH(lidocaine+) | 1471 |
|  | S6 | TI(lidocaine) OR AB(lidocaine) | 1207 |
|  | S7 | TI(lignocaine) OR AB(lignocaine) | 98 |
|  | S8 | S5 OR S6 OR S7 | 1946 |
|  | S9 | S4 AND S8 | 39 |
|  | S10 | (MH "Clinical Trials+") OR (PT Clinical trial) OR (TX clinic\* n1 trial\*) OR TX ( (singl\* n1 blind\*) OR (singl\* n1 mask\*) ) OR TX ( (doubl\* n1 blind\*) OR (doubl\* n1 mask\*) ) OR TX ( (tripl\* n1 blind\*) OR (tripl\* n1 mask\*) ) OR TX ( (trebl\* n1 blind\*) or (trebl\* n1 mask\*) ) OR TX randomi\* control\* trial\* OR (MH "Random Assignment") OR TX random\* allocat\* OR TX placebo\* OR (MH "Placebos") OR (MH "Quantitative Studies") OR TX allocat\* random\* | 632655 |
|  | S11 | S9 AND S10 | 24 |
| SCOPUS | #1 | INDEXTERMS(Anesthesia, Spinal) | 27631 |
|  | #2 | TITLE-ABS(spinal anesth\*) | 26845 |
|  | #3 | TITLE-ABS(spinal anaesth\*) | 9119 |
|  | #4 | #1 OR #2 OR #3 | 42656 |
|  | #5 | INDEXTERMS(lidocaine) | 68596 |
|  | #6 | TITLE-ABS(lidocaine) | 25231 |
|  | #7 | TITLE-ABS(lignocaine) | 3481 |
|  | #8 | #5 OR #6 OR #7 | 73904 |
|  | #9 | #4 AND #8 | 4379 |
|  | #10 | (INDEXTERMS(randomized controlled trial) OR INDEXTERMS(controlled clinical trial) OR TITLE-ABS(randomized) OR TITLE-ABS(placebo) OR INDEXTERMS(drug therapy) OR TITLE-ABS(randomly) OR TITLE-ABS(trial) OR TITLE-ABS(groups)) AND NOT (INDEXTERMS(animals) AND NOT INDEXTERMS(humans)) | 8620285 |
|  | #11 | #9 AND #10 | 1604 |
| Web of Science | #1 | TS=(spinal anesth\*) | 19916 |
|  | #2 | TS=(spinall anaesth\*) | 6362 |
|  | #3 | #1 OR #2 | 23658 |
|  | #4 | TS=(lidocaine or lingocaine) | 22984 |
|  | #5 | #3 AND #4 | 1574 |
|  | #6 | TS=(clinical trial\* OR research design OR comparative stud\* OR evaluation stud\* OR controlled trial\* OR follow-up stud\* OR prospective stud\* OR random\* OR placebo\* OR “single blind\*” OR double blind\*) | 4088470 |
|  | #7 | #5 AND #6 | 667 |
|  |  |  |  |
| KoreaMed | #1 | (spinal anesthesia) OR (spinal anesthetic) OR (spinal anesthetics) | 1287 |
|  | #2 | (lidocaine) OR (lingocaine) | 1081 |
|  | #3 | #1 And #2 | 101 |