Supplemental Digital Content 1

Search strategy

Pubmed

#1   MeSH descriptor: [Anesthesia, Intravenous] explode all trees

#2   MeSH descriptor: [Anesthesia, Inhalation] explode all trees

#3   MeSH descriptor: [Anesthetics, Inhalation] explode all trees

#4   MeSH descriptor: [Anesthetics, Intravenous] explode all trees

#5   anesthesia [TIAB] OR anaesthesia [TIAB]

#6   intravenous [TIAB] OR inhalation* [TIAB] OR volatile [TIAB]

#7   #5 AND #6

#8   TIVA [TIAB] OR propofol [TIAB] OR sevoflurane [TIAB] OR enflurane [TIAB]
       OR isoflurane [TIAB] OR desflurane [TIAB] OR halothane [TIAB]

#9   #1 OR #2 OR #3 OR #4 OR #7 OR #8

#10   delirium [TIAB] OR agitation [TIAB] OR excitement [TIAB] OR inadequate
       [TIAB]

#11   emergence [TIAB]

#12   #9 AND #10 AND #11

Medline

#1   TS=(Anesthetics,   Inhalation)   OR   TS=(Anesthetics,   Intravenous)   OR
       TS=(Anesthesia, Intravenous) OR TS=(Anesthesia, Inhalation)

#2   TS=(anesthesia) OR TS=(anaesthesia)

#3   TS=(intravenous) OR TS=(inhalation*) OR TS=(volatile)

#4   #2 AND #3

#5   TS=(TIVA) OR TS=(propofol) OR TS=(sevoflurane) OR TS=(enflurane) OR
       TS=(isoflurane) OR TS=(desflurane) OR TS=(halothane)

#6   #1 OR #4 OR #5

#7   TS=(delirium) OR TS=(agitation) OR TS=(excitement) OR TS=(inadequate)

#8   TS=(emergence)

#9   #6 AND #7 AND #8

Embase and Cochrane Library

#1   intravenous anesthesia [emtree term-exploded] OR inhalation anesthesia [emtree term-exploded]

#2   anesthesia [ti,ab,kw] OR anaesthesia [ti,ab,kw]

#3   intravenous [ti,ab,kw] OR inhalation* [ti,ab,kw] OR volatile [ti,ab,kw]

#4   #2 AND #3

#5   TIVA [ti,ab,kw] OR propofol [ti,ab,kw] OR sevoflurane [ti,ab,kw] OR enflurane [ti,ab,kw] OR isoflurane [ti,ab,kw] OR desflurane [ti,ab,kw] OR halothane [ti,ab,kw]

#6   #1 OR #4 OR #5

#7   delirium [ti,ab,kw] OR agitation [ti,ab,kw] OR excitement [ti,ab,kw] OR inadequate [ti,ab,kw]

#8   emergence [ti,ab,kw]

#9   #6 AND #7 AND #8