Dexmedetomidine versus propofol sedation in reducing delirium among older adults in the ICU: a systematic review and meta-analysis

Supplemental Digital Content File

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Supplemental figure 1: Search strategy for Ovid Medline

1  exp Dexmedetomidine/
2  (Dexmedetomidin* or Precedex or MPV-1440 or MPV 1440 or mpv1440 or Cepedex or Demesynt or Dextomitor or Dexdor or Dexem or Meproxidina).tw,kf.
3  Dexmedetomidine.rn.
4  Propofol/
5  (Propofol* or diprivan or propoven or aquafol or disoprivan or disoprofol or fresofol or ivofol or recofol).tw,kf.
6  Propofol.rn.
7  or/1-6
8  exp Delirium/
9  Confusion/
10 (delir* or confus*).tw,kf.
11 or/8-10
12 exp specialties, surgical/
13 exp Surgical Procedures, Operative/
14 su.fs.
15 (surg* or operat* or postoperativ*).tw,kf.
16 exp Intensive Care Units/
17 Critical Care/
18 ((intensive or critical) adj2 (care or therap* or treatment*)).tw,kf.
19 (ICU* or ITU* or CCU* or GICU*).tw,kf.
20 (critical* ill* or sever* ill* or serious* ill* or at risk patient* or trauma patient*).tw,kf.
21 or/12-20
22 7 and 11 and 21
23 exp Animals/ not (exp Animals/ and Humans/)
24 22 not 23
25 remove duplicates from 24
Supplemental figure 2: Forest plot of the effects of dexmedetomidine and propofol on delirium incidence after exclusion of cohort studies.
Supplemental figure 3: Forest plot showing the risk of hypotension associated with dexmedetomidine and propofol use after exclusion of cohort studies
Supplemental figure 4: Forest plot showing the effects of dexmedetomidine on intensive care unit length of stay (A) and hospital length of stay (B) after exclusion of cohort studies
Supplemental figure 5: Funnel plot for visual analysis of publication bias