

**[1]Search strategies for
Level of sedation in critically ill adult patients
(A Ceric)
Preliminary searches prepared 21 January 2022**

Cochrane Central Register of Controlled Trials (latest issue) in the Cochrane Library (in 2022, Issue 1: 3354 hits)

- #1 MeSH descriptor: [Critical Illness] explode all trees
- #2 MeSH descriptor: [Critical Care] explode all trees
- #3 MeSH descriptor: [Intensive Care Units] explode all trees
- #4 ((critical* and (care* or ill*)) or intensive care or ICU or respirat* or ventilat*)
- #5 #1 or #2 or #3 or #4
- #6 MeSH descriptor: [Conscious Sedation] explode all trees
- #7 MeSH descriptor: [Deep Sedation] explode all trees
- #8 MeSH descriptor: [Hypnotics and Sedatives] explode all trees
- #9 MeSH descriptor: [Benzodiazepines] explode all trees
- #10 MeSH descriptor: [Propofol] explode all trees
- #11 MeSH descriptor: [Dexmedetomidine] explode all trees
- #12 (sedati* or benzodiazepin* or midazolam or propofol or dexmedetomidin* or lorazepam)
- #13 #6 or #7 or #8 or #9 or #10 or #11 or #12
- #14 #5 and #13
- #15 (adult* or aged or elder* or middle next age* or old next age):ti,ab
- #16 #14 and #15

MEDLINE Ovid (1946 to the date of the search) (on 21 January 2022: 3310 hits)

- 1. exp Critical Illness/
- 2. exp Critical Care/
- 3. exp Intensive Care Units/
- 4. ((critical* and (care* or ill*)) or intensive care or ICU or respirat* or ventilat*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 5. 1 or 2 or 3 or 4
- 6. exp Conscious Sedation/
- 7. exp Deep Sedation/
- 8. exp "Hypnotics and Sedatives"/
- 9. exp Benzodiazepines/
- 10. exp Propofol/
- 11. exp Dexmedetomidine/
- 12. (sedati* or benzodiazepin* or midazolam or propofol or dexmedetomidin* or lorazepam).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 13. 6 or 7 or 8 or 9 or 10 or 11 or 12
- 14. 5 and 13
- 15. (randomized controlled trial or controlled clinical trial or retracted publication or retraction of publication).pt. or clinical trials as topic.sh. or trial.ti.
- 16. (random* or blind* or placebo*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 17. 14 and (15 or 16)
- 18. limit 17 to ("all adult (19 plus years)" or "young adult (19 to 24 years)" or "adult (19 to 44 years)" or "young adult and adult (19-24 and 19-44)" or "middle age (45 to 64 years)" or "middle aged (45 plus years)" or "all aged (65 and over)" or "aged (80 and over)")

Embase Ovid (1974 to the date of the search) (on 21 January 2022: 8782 hits)

- 1. exp critical illness/
- 2. exp critically ill patient/
- 3. exp intensive care/
- 4. exp intensive care unit/

5. ((critical* and (care* or ill*)) or intensive care or ICU or respirat* or ventilat*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
6. 1 or 2 or 3 or 4 or 5
7. exp sedation/
8. exp hypnotic sedative agent/
9. exp benzodiazepine derivative/
10. exp propofol/
11. (sedati* or benzodiazepin* or midazolam or propofol or dexmedetomidin* or lorazepam).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
12. 7 or 8 or 9 or 10 or 11
13. 6 and 12
14. Randomized controlled trial/ or Controlled clinical trial/ or retracted article/ or (erratum or tombstone).pt. or trial.ti. or yes.nr.
15. (random* or blind* or placebo*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
16. 13 and (14 or 15)
17. limit 16 to (adult <18 to 64 years> or aged <65+ years>)

LILACS (Bireme; 1982 to the date of the search) (on 21 January 2022: 125 hits)

((critical\$ and (care\$ or ill\$)) or intensive care or ICU or respirat\$ or ventilat\$) [Words] and (sedati\$ or benzodiazepin\$ or midazolam or propofol or dexmedetomidin\$ or lorazepam) [Words] and (random\$ or blind\$ or placebo\$) [Words]

Science Citation Index Expanded (1900 to the date of the search) and Conference Proceedings Citation Index – Science (1990 to the date of the search) (Web of Science) (on 21 January 2022: 2037 hits)

#7 #5 AND #6

#6 TI=(adult* or aged or elder* or middle next age* or old next age) or AB=(adult* or aged or elder* or middle next age* or old next age)

#5 #3 AND #4

#4 TI=(random* or blind* or placebo* or meta-analys* or trial*) OR TS=(random* or blind* or placebo* or meta-analys*)

#3 #2 AND #1

#2 TS=(sedati* or benzodiazepin* or midazolam or propofol or dexmedetomidin* or lorazepam)

#1 TS=((critical* and (care* or ill*)) or intensive care or ICU or respirat* or ventilat*)

1. Higgins JPT TJ, Chandler J.: **Cochrane Handbook for systematic reviews of interventions version 6.1.** *Cochrane* 2020.