Online Supplementary Appendix:

A. Studies not showing a significant association between surgery or anesthesia, and persistent (> 6 months) postoperative cognitive decline (POCD) or incident dementia

1. Systematic Reviews
Newman¹, Cormack², Seitz³, Avidan⁴, Scott⁵, Guay⁶, Fink⁷

2. Randomized Controlled Trials
Sauer⁸, Wahrborg⁹, Hlatky¹⁰, Williams-Russo¹¹

3. Controlled Cohort Studies
Simpson¹², Gilberstadt¹³, Goldstein¹⁴, Abildsrom¹⁵, Tyas¹⁶, Avidan¹⁷, Selnes¹⁸, Sweet¹⁹, van Dijk²⁰, Fischer²¹, Ritchie²², Mutch²³, Potter²⁴, Mielke²⁵, Alosco²⁶, Hayden²⁷, Dokkedal²⁸

4. Case Control Studies
Bohnen²⁹, Gasparini³⁰, Yip³¹, Knopman³², French³³, Harmanci³⁴, Sprung³⁵, de Oliveira³⁶, Zuo³⁷, Kokmen³⁸, Kokmen³⁹, CSHA⁴⁰

5. Uncontrolled Cohort Studies
Shroyer⁴¹, van den Goor⁴²

B. Studies showing an association between surgery or anesthesia, and persistent (> 6 months) POCD or incident dementia

1. Systematic Reviews
None found
2. Randomized Controlled Trials

None found

3. Controlled Cohort Studies

Farrag\textsuperscript{43}, Ballard\textsuperscript{44}, Zimpfer\textsuperscript{45}, Lee\textsuperscript{46}, Chen\textsuperscript{47}, Liu\textsuperscript{48}, Lyketsos\textsuperscript{49}, Silbert\textsuperscript{50}

4. Case Control Studies

Chen\textsuperscript{51}

5. Uncontrolled Cohort Studies

Newman\textsuperscript{52}, McDonough\textsuperscript{53}, Stockton\textsuperscript{54}, Silbert\textsuperscript{55}, Bedford\textsuperscript{56}

References:


4. Avidan MS, Evers AS: Review of clinical evidence for persistent cognitive decline or incident dementia attributable to surgery or general anesthesia. J Alzheimers Dis 2011; 24: 201-16


Alzheimer disease and vascular dementia: the Cache County study. Alzheimer Dis Assoc Disord 2006; 20: 93-100


bypass graft surgery (CABG) and cognitive decline: the Cache County study. Int J Geriatr Psychiatry 2006; 21: 509-18


