

Supplementary Material**Search Term****Search terms for MEDLINE**

1. randomized controlled trial.pt
2. randomized controlled trial\$.mp
3. controlled clinical trial.pt
4. controlled clinical trial\$.mp
5. random allocation.mp
6. exp double-blind method/
7. double-blind.mp
8. exp single-blind method/
9. single-blind.mp
10. or/1-9
11. clinical trial.pt
12. clinical trial\$.mp
13. exp clinical trial/
14. (clin\$ adj25 trial\$).mp
15. ((singl\$ or doubl\$ or tripl\$ or trebl\$) adj25 (blind\$ or mask\$)).mp
16. random\$.mp
17. exp research design/
18. research design.mp
19. or/11-18
20. 10 or 19
21. Case report.tw.
22. Letter.pt.
23. Historical article.pt.
24. Review.pt.
25. or/21-24
26. 20 not 25
27. Exp Emergence delirium/
28. Exp Delirium/
29. Exp Cognition/
30. Cognitive.mp.
31. Mental.mp.
32. Exp Memory/
33. Neuropsycholog*.mp.
34. Or/29-33
35. Dysfunction.mp.
36. Decline.mp.
37. Detoriation.mp.
38. Disorder.mp.
39. Impairment.mp.
40. Or/35-39
41. 34 and 40
42. 27 or 28 or 41
43. Surger*.mp.
44. Surgical.mp.
45. Operati*.mp.
46. Or/43-45
47. 42 and 46
48. POD
49. Postoperative delirium.mp.
50. 47 or 48 or 49
51. 26 and 50

Search terms for EMBASE

1. randomi?ed AND controlled AND trial\$
2. 'controlled clinical trial (topic)'/exp
3. controlled AND clinical AND trials
4. controlled clinical trial\$.mp.
5. 'randomization'/exp
6. 'random allocation'/exp
7. random AND allocation
8. double-blind.mp.
9. single-blind.mp.
10. #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9
11. 'clinical trial (topic)'/exp
12. clinical AND trial\$.mp.
13. random\$.mp.
14. rct
15. #11 OR #12 OR #13 OR #14
16. #10 OR #15
17. 'case study'/exp
18. 'case report'/exp
19. 'abstract report'/exp
20. 'letter'/exp
21. #17 OR #18 OR #19 OR #20
22. #16 NOT #21
23. 'cognitive defect'/exp
24. 'cognition'/exp
25. Cognitive
26. Mental
27. 'memory'/exp
28. Neuropsycholog*
29. #24 OR #25 OR #26 OR #27 OR #28
30. Dysfunction
31. Decline
32. Detoriation
33. Disorder
34. Impairment
35. #30 OR #31 OR #32 OR #33 OR #34
36. #29 AND #35
37. 'surgery'/exp
38. Surgical
39. Operation
40. Operative
41. #37 OR #38 OR #39 OR #40
42. #36 AND #41
43. POD
44. 'postoperative delirium'/exp
45. #42 OR #43 OR #44
46. #22 AND #45