

Supplementary Material 1. Search terms used in literature search

1. 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. Heat\$.mp.
28. warm\$.mp.
29. hot.mp.
30. humid\$.mp.
31. moisture.mp.

32. or/27-31
33. exp Anesthesia, Closed-Circuit/
34. exp Respiration, Artificial/
35. mechanical ventilation.mp.
36. exp Intubation, Intratracheal/
37. ((endotracheal or intratracheal or tracheal) and (intubation or tube)).mp.
38. or/33-37
39. 26 and 32 and 38

2. EMBASE

1. randomi?ed AND controlled AND trial\$:ti,ab
2. 'controlled clinical trial (topic)'/exp
3. controlled AND clinical AND trials:ti,ab
4. controlled clinical trial\$:ti,ab
5. 'randomization'/exp
6. 'random allocation'/exp
7. random allocation:ti,ab
8. double-blind:ti,ab
9. single-blind:ti,ab
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\$:ti,ab
13. random\$:ti,ab
14. rct:ti,ab
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. Heat\$:ti,ab
24. warm\$:ti,ab
25. hot:ti,ab
26. humid\$:ti,ab
27. moisture:ti,ab
28. #23 OR #24 OR #25 OR #26 OR #27
29. 'breathing circuit'/exp
30. 'artificial ventilation'/exp
31. mechanical ventilation:ti,ab
32. 'endotracheal intubation'/exp
33. (endotracheal:ti,ab OR intratracheal:ti,ab OR tracheal:ti,ab) AND (intubation:ti,ab
OR tube:ti,ab)
34. #29 OR #30 OR #31 OR #32 OR #33
35. #22 AND #28 AND #34