**Supplementary Appendix A**

*EMBASE Search Strategy*

1 nerve block/ (26979)

2 regional anesthesia/ (19654)

3 nerve block/ (26979)

4 brachial plexus anesthesia/ (3206)

5 local anesthesia/ (33275)

6 (nerve adj2 block\*).ti,ab,kw. (15034)

7 ((local or regional or brachial plexus or nerve) adj2 an?esthesia\*).ti,ab,kw.

(35646)

8 or/1-7 (84588)

9 suprascapula\*.ti,ab,kw. (1480)

10 scapula\*.ti,ab,kw. (11899)

11 supra scapula\*.ti,ab,kw. (31)

12 or/9-11 (13022)

13 8 and 12 (395)

14 ((supra scapula\* or suprascapula\* or scapula\*) adj2 block\*).ti,ab,kw. (233)

15 13 or 14 (402)

16 quasi experimental study/ (4354)

17 quasiexperimental.ti,ab,kw. (613)

18 quasi experimental.ti,ab,kw. (9565)

19 exp "clinical trial (topic)"/ (274127)

20 clinical trial\*.ti,ab,kw. (397759)

21 random\*.ti,ab,kw. (1175590)

22 rct\*.ti,ab,kw. (46881)

23 ((singl\* or doubl\* or tripl\* or trebl\*) adj3 (blind\* or mask\*)).ti,ab,kw. (200702)

24 single blind procedure/ (28964)

25 double blind procedure/ (140175)

26 non random\*.ti,ab,kw. (20193)

27 or/16-26 (1643394)

28 15 and 27 (84)

29 remove duplicates from 28 (84)

30 remove duplicates from 15 (397)

*MEDLINE Search Strategy*

1 nerve block/ (26979)

2 regional anesthesia/ (19654)

3 nerve block/ (26979)

4 brachial plexus anesthesia/ (3206)

5 local anesthesia/ (33275)

6 (nerve adj2 block\*).ti,ab,kw. (15034)

7 ((local or regional or brachial plexus or nerve) adj2 an?esthesia\*).ti,ab,kw.

(35646)

8 or/1-7 (84588)

9 suprascapula\*.ti,ab,kw. (1480)

10 scapula\*.ti,ab,kw. (11899)

11 supra scapula\*.ti,ab,kw. (31)

12 or/9-11 (13022)

13 8 and 12 (395)

14 ((supra scapula\* or suprascapula\* or scapula\*) adj2 block\*).ti,ab,kw. (233)

15 13 or 14 (402)

16 quasi experimental study/ (4354)

17 quasiexperimental.ti,ab,kw. (613)

18 quasi experimental.ti,ab,kw. (9565)

19 exp "clinical trial (topic)"/ (274127)

20 clinical trial\*.ti,ab,kw. (397759)

21 random\*.ti,ab,kw. (1175590)

22 rct\*.ti,ab,kw. (46881)

23 ((singl\* or doubl\* or tripl\* or trebl\*) adj3 (blind\* or mask\*)).ti,ab,kw. (200702)

24 single blind procedure/ (28964)

25 double blind procedure/ (140175)

26 non random\*.ti,ab,kw. (20193)

27 or/16-26 (1643394)

28 15 and 27 (84)

29 remove duplicates from 28 (84)

30 remove duplicates from 15 (397)

*COCHRANE Search Strategy*

1 (nerve adj2 block\*).ti,ab,kf. (27)

2 ((local or regional or brachial plexus or nerve) adj2 an?esthesia\*).ti,ab,kf. (42)

3 1 or 2 (64)

4 supra scapula\*.ti,ab,kf. (0)

5 suprascapula\*.ti,ab,kf. (0)

6 scapula\*.ti,ab,kf. (1)

7 or/4-6 (1)

8 3 and 7 (0)

9 ((supra scapula\* or suprascapula\* or scapula\*) adj2 block\*).ti,ab,kw. (0)

10 8 or 9 (0)