

Supplementary Material 1. Details of search strategy

Search strategy of PUBMED

- 1, Search: "Dexmedetomidine"[MeSH Terms] Sort by: Most Recent
- 2, Search: ((((((MPV-1440[All Fields]) OR (MPV 1440[All Fields])) OR (MPV1440[All Fields])) OR (Precedex[All Fields])) OR (Dexmedetomidine Hydrochloride[All Fields])) OR (Hydrochloride, Dexmedetomidine[All Fields])) OR (5-[(1S)-1-(2,3-dimethylphenyl)ethyl]-1H-imidazole)) OR (Dexmedetomidina)) OR (medetomidine)) OR (Dexmedetomidinum) Sort by: Most Recent
- 3, Search: #1 or #2 Sort by: Most Recent
- 4, Search: (((Epidural Space[MeSH Terms]) OR (analgesia, epidural[MeSH Terms])) OR (injections, epidural[MeSH Terms])) Sort by: Most Recent
- 5, Search: (((((((((((Epidural Spaces) OR (Space, Epidural)) OR (Spaces, Epidural)) OR (Epidural Analgesia)) OR (Extradural Injections)) OR (Peridural Injections)) OR (Peridural Anesthesia)) OR (Injections, Peridural)) OR (Injection, Peridural)) OR (Peridural Injection)) OR (Injections, Extradural)) OR (Extradural Injection)) OR (injection, Extradural)) OR (epidural Injections)) OR (Epidural Injection)) OR (Injection, Epidural) Sort by: Most Recent
- 6, Search: (((((PCEA) OR (Extradural Analgesia)) OR (patient-controlled epidural analgesia)) OR (Patient Control Extradural Analgesia)) OR (epidural analgesia pump)) OR (Epidural administration) Sort by: Most Recent
- 7, Search: #4 or #5 or #6 Sort by: Most Recent
- 8, Search: randomized controlled trial [Publication Type] OR randomized[Title/Abstract] OR placebo[Title/Abstract] Sort by: Most Recent
- 9, Search: #3 and #7 and #8 Sort by: Most Recent

Search strategy of Cochrane

ID	Search	Hits
#1	MeSH descriptor: [Dexmedetomidine] explode all trees	1981
#2	("MPV-1440") OR ("MPV 1440") OR (MPV1440) OR (Precedex) OR ("Dexmedetomidine Hydrochloride") OR ("Hydrochloride, Dexmedetomidine") OR ("5-[(1S)-1-(2,3-dimethylphenyl)ethyl]-1H-imidazole") OR (Dexmedetomidina) OR (medetomidine) OR (Dexmedetomidinum)	310
#3	MeSH descriptor: [Epidural Space] explode all trees	237
#4	MeSH descriptor: [Analgesia, Epidural] explode all trees	2087
#5	MeSH descriptor: [Injections, Epidural] explode all trees	511
#6	("Epidural Spaces") OR ("Space, Epidural") OR ("Spaces, Epidural") OR ("Epidural Analgesia") OR ("Extradural Injections") OR ("Peridural Injections") OR ("Peridural Anesthesia") OR ("Injections, Peridural") OR ("Injection, Peridural") OR ("Peridural Injection") OR ("Injections, Extradural") OR ("Extradural Injection") OR ("injection, Extradural") OR ("epidural Injections") OR ("Epidural Injection") OR ("Injection, Epidural")	5403

#7 (PCEA) OR ("Extradural Analgesia") OR ("patient-controlled epidural analgesia") OR ("Patient Control Extradural Analgesia") OR ("epidural analgesia pump") OR ("Epidural administration") 1363

#8 #1 OR #22226

#9 #3 OR #4 OR #5 OR #6 OR #7 6561

#10 #8 AND #9 36

Search strategy of EMBASE

Embase Session Results

No.	Query	Results
#22	#13 AND #20 AND #21	74
#21	'randomized controlled trial'	923,390
#20	#14 OR #15 OR #17 OR #18 OR #19	28,363
#19	pcea OR 'extradural analgesia' OR 'patient-controlled epidural analgesia' OR 'patient control extradural analgesia' OR 'epidural analgesia pump' OR 'epidural administration'	2,941
#18	'epidural spaces' OR 'space, epidural' OR 'spaces, epidural' OR 'epidural analgesia' OR 'extradural injections' OR 'peridural injections' OR 'peridural anesthesia' OR 'injections, peridural' OR 'injection, peridural' OR 'peridural injection' OR 'injections, extradural' OR 'extradural injection' OR 'injection, extradural' OR 'epidural injections' OR 'epidural injection' OR 'injection, epidural'	16,457
#17	'epidural drug administration'/exp	7,899
#15	'epidural analgesia'/exp	3,336
#14	'epidural space'/exp	6,384
#13	#2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12	16,916
#12	'dexmedetomidinum'	0
#11	'medetomidine'	2,756
#10	'dexmedetomidina'	128
#9	'5-[(1s)-1-(2,3-dimethylphenyl)ethyl]-1h-imidazole'	0
#8	'hydrochloride, dexmedetomidine'	6
#7	'dexmedetomidine hydrochloride'	128
#6	'precedex'	518
#5	'mpv1440'	2
#4	'mpv 1440'	4
#3	'mpv-1440'	4
#1	'dexmedetomidine'/exp	14,405

Search strategy of CBM

序号 检索表达式 命中文献数 检索时间

1) "右美托咪啶"[不加权:扩展] 2399 2022-01-10 17:02:56.0

2) 右美 OR 盐酸右美脱啶 OR 右旋美托咪啶 OR 右美托咪啶 16547 2022-01-10 17:03:11.0

3) "硬膜外腔"[不加权:扩展] OR "镇痛, 硬膜外"[不加权:扩展] OR "注射, 硬膜外"[不加权:扩展] 16275 2022-01-10 17:03:46.0

4) 硬膜外止痛 OR 硬膜外注射 OR 硬膜外泵注 OR 病人自控镇痛 OR 硬膜外 55090 2022-01-10 17:05:49.0

5) "随机对照试验"[不加权:扩展] 491592 2022-01-10 17:06:13.0

- 6) (#2) OR (#1) 16547 2022-01-10 17:06:23.0
- 7) (#4) OR (#3) 55090 2022-01-10 17:06:37.0
- 8) 随机 1724561 2022-01-10 17:07:02.0
- 9) (#8) OR (#5) 1724561 2022-01-10 17:07:14.0
- 10) (#9) AND (#7) AND (#6) 618 2022-01-10 17:07:26.0