

Supplementary Material

Search strategy for EMBASE and MEDLINE (Ovid Platform)			
#	Searches	Results1: MEDLINE	Results2: EMBASE
1	exp adrenergic beta-antagonists/	85478	305657
2	propranolol/	32595	91926
3	esmolol/	0	5353
4	atenolol/	5224	31802
5	bisoprolol/	1139	10551
6	metoprolol/	5570	34587
7	Carvedilol/	2733	16281
8	Nebivolol/	814	4131
9	Nadolol/	814	5726
10	Timolol/	3752	11838
11	Pindolol/	3630	10167
12	(propranolol* or esmolol* or atenolol* or bisoprolol* or metoprolol* or carvedilol* or nebivolol* or nadolol* or timolol* or pindolol*).mp	32197	104530
13	(beta adj3 (block* or antagonist*)).mp	82009	179096
14	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13	120580	325014
15	exp craniocerebral trauma/	166534	306995
16	Brain injury/ or acquired brain injury/ or brain concussion/ or brain contusion/ or brain damage/ or brain stem injury/ or cerebellum injury/	61574	140431
17	Traumatic brain injury/	8819	54923
18	Nervous system injury/	1367	8267
19	Brain h?emorrhage/	7605	112064
20	Brain ?edema/	14954	34821
21	Brain hematoma/ or subdural hematoma/ or epidural hematoma/	6933	32470
22	Unconsciousness/ or coma/	17154	44780
23	Intracranial hypertension/	5213	18144
24	Subarachnoid h?emorrhage/	22115	46601
25	((head or crani* or cerebr* or brain* or intracran* or inter-cran* or skull* or intracran* or intercran* or subarachnoid*) adj3 (injur* or trauma* or damag* or wound* or fracture* or contusion* or pressure or damag* or concussion or coma)).ab,ti,kw.	185461	242036
26	((head or crani* or cerebr* or brain* or intracran* or inter-cran* or skull* or intracran* or intercran* or subarachnoid*) adj3 (hematoma* or haematoma* or h?emorrhag* or ?edema* or bleed*)).ab,ti,kw.	72425	102596

27	Or/15-26	359479	624009
28	14 and 27	814	7586
Database(s): Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Daily and Versions(R) 1946 to 2021 October 23; Embase 1974 to 2021 October 23.			

Cochrane Library search strategy

ID	Search	Results
#1	MeSH descriptor: [Adrenergic beta-Antagonists] explode all trees	4597
#2	MeSH descriptor: [Adrenergic beta-1 Receptor Antagonists] explode all trees	210
#3	MeSH descriptor: [Adrenergic beta-1 Receptor Antagonists] explode all trees	210
#4	MeSH descriptor: [Adrenergic beta-2 Receptor Antagonists] explode all trees	24
#5	MeSH descriptor: [Propranolol] explode all trees	2882
#6	MeSH descriptor: [Esmolol] explode all trees	0
#7	MeSH descriptor: [Atenolol] explode all trees	1810
#8	MeSH descriptor: [Bisoprolol] explode all trees	377
#9	MeSH descriptor: [Metoprolol] explode all trees	1633
#10	MeSH descriptor: [Carvedilol] explode all trees	681
#11	MeSH descriptor: [Nebivolol] explode all trees	243
#12	MeSH descriptor: [Nadolol] explode all trees	185
#13	MeSH descriptor: [Timolol] explode all trees	1208
#14	MeSH descriptor: [Pindolol] explode all trees	524
#15	((propranolol* or esmolol* or atenolol* or bisoprolol* or metoprolol* or carvedilol* or nebivolol* or nadolol* or timolol* or pindolol*).mp):ti,ab,kw (Word variations have been searched)	2869
#16	((beta NEAR/3 (block* or antagonist*).mp):ti,ab,kw (Word variations have been searched)	2869
#17	MeSH descriptor: [Brain Injuries] explode all trees	2504
#18	MeSH descriptor: [Brain Edema] explode all trees	205
#19	MeSH descriptor: [Cerebral Hemorrhage, Traumatic] explode all trees	13
#20	MeSH descriptor: [Brain Hemorrhage, Traumatic] explode all trees	18
#21	MeSH descriptor: [Brain Injuries, Diffuse] explode all trees	13
#22	MeSH descriptor: [Head Injuries, Penetrating] explode all trees	2
#23	MeSH descriptor: [Brain Injuries, Traumatic] explode all trees	909
#24	MeSH descriptor: [Brain Concussion] explode all trees	399
#25	MeSH descriptor: [Brain Contusion] explode all trees	4
#26	MeSH descriptor: [Cerebrovascular Trauma] explode all trees	33
#27	MeSH descriptor: [Intracranial Hypertension] explode all trees	208
#28	MeSH descriptor: [Intracranial Hemorrhage, Traumatic] explode all trees	182
#29	MeSH descriptor: [Intracranial Hemorrhage, Traumatic] explode all trees	182
#30	MeSH descriptor: [Brain Stem Hemorrhage, Traumatic] explode all trees	0
#31	MeSH descriptor: [Hematoma, Epidural, Cranial] explode all trees	13
#32	MeSH descriptor: [Hematoma, Subdural, Acute] explode all trees	8
#33	MeSH descriptor: [Hematoma, Subdural, Intracranial] explode all trees	8
#34	MeSH descriptor: [Hematoma, Subdural] explode all trees	135
#35	MeSH descriptor: [Subarachnoid Hemorrhage, Traumatic] explode all trees	2
#36	MeSH descriptor: [Trauma, Nervous System] explode all trees	5629
#37	MeSH descriptor: [Brain Injuries, Traumatic] explode all trees	909
#38	MeSH descriptor: [Craniocerebral Trauma] explode all trees	3814

#39	MeSH descriptor: [Coma, Post-Head Injury] explode all trees	5
#40	MeSH descriptor: [Head Injuries, Closed] explode all trees	471
#41	MeSH descriptor: [Unconsciousness] explode all trees	926
#42	MeSH descriptor: [Coma] explode all trees	300
#43	((head or crani* or cerebr* or brain* or intracran* or intercran* or skull* or intracran* or intercran* or subarachnoid*) NEAR/3 (injur* or trauma* or damag* or wound* or fracture* or contusion* or pressure or damag* or concussion or coma)):ti,ab,kw (Word variations have been searched)	13569
#44	((((head or crani* or cerebr* or brain* or intra-cran* or inter-cran* or skull* or intracran* or intercran* or subarachnoid*) NEAR/3 (hematoma* or haematoma* or hemorrhag* or haemorrhage* or edema* or oedema* or bleed*)))):ti,ab,kw (Word variations have been searched)	11154
#45	{OR #1-#16}	12973
#46	{OR #17-#44}	26486
#47	{AND #45, #46} in Trials	160