

**PubMed from 2015 to June 01, 2022**

#No.	Results	Searches
1	1,550,609	Brain Ischemia OR Stroke OR Cerebral Ischemic Stroke OR Cerebral Infarction OR cerebrovascular disease OR cerebr* stroke OR cerebr* Ischemia OR cerebr* Infarct* OR "CIS"[tw] OR "CI"[tw] OR ("Ischemic Stroke"[Mesh])
2	7172	((("Cerebrovascular Disorders"[Mesh]) OR ("Intracranial Arteriosclerosis"[Mesh])) AND ("Atherosclerosis"[Mesh])) OR (intracranial atherosclerotic stenosis OR "ICAS"[tw] OR atherosclerotic intracranial arterial stenosis OR (intracranial artery stenosis AND intracranial artery atherosclerosis))
3	1,551,138	1 OR 2
4	134,368	(Stent* OR stent* retrieval thrombectomy OR stent* retriever OR direct* stent* OR stent* implantation OR "PTAS"[tw]) OR ("Stents"[Mesh])
5	89,095	(direct* angioplasty OR percutaneous transluminal angioplasty OR "PTA"[tw]) OR ("Angioplasty"[Mesh])
6	190,105	4 OR 5
7	49,719	mechanical thrombectomy OR Mechanical* thrombectom* OR "MT"[TW] OR Mechanical Thrombolysis
8	1522	3 AND 6 AND 7
9	5,035,618	animals [mh] NOT humans [mh]
10	1498	8 NOT 9
11	9,411,185	((Chinese[Language]) OR (English[Language])) AND ("2015/01/01"[Date - Publication] : "2022/06/01"[Date - Publication])
12	10,995,396	“Clinical Trial” [pt] OR “Clinical Trials as Topic” [Mesh] OR “Random Allocation” [Mesh] OR “Case-Control Studies” [Mesh] OR “Cohort Studies” [Mesh] OR “Comparative study” [pt] OR “Comparative Effectiveness Research” [Mesh] OR random*[tw] OR

placebo[tw] OR groups[tw] OR trail[tw] OR cohort\*[tw] OR follow up\*[tw] OR case control\*[tw] OR compar\*[tw] OR “comparative study” [filter] OR “clinical trial” [filter] OR “multicenter study” [filter]

13 761 10 AND 11 AND 12

### Cochrane Central Register of Controlled Trials (CENTRAL) from 2015 to 2022

#No.	Results	Searches
1	78875	MeSH descriptor: [Ischemic Stroke] explode all trees
2	17426	MeSH descriptor: [Cerebrovascular Disorders] explode all trees
3	122	(intracranial atherosclerotic stenosis):ti,ab,kw
4	103	(ICAS):ti,ab,kw
5	36	(atherosclerotic intracranial arterial stenosis):ti,ab,kw
6	337	(intracranial artery stenosis):ti,ab,kw
7	131	(intracranial artery atherosclerosis):ti,ab,kw
8	228	#3 or #4 or #5 or (#6 and #7)
9	17567	#8 or #2 or #1
10	4567	MeSH descriptor: [Stents] explode all trees
11	17062	(Stent*):ti,ab,kw
12	21	(stent* retrieval thrombectomy):ti,ab,kw
13	233	(stent* retriever):ti,ab,kw
14	1017	(direct* stent*):ti,ab,kw
15	3650	(stent* implantation):ti,ab,kw
16	60	(PTAS):ti,ab,kw
17	17096	#10 or #11 or #12 or #13 or #14 or #15 or #16
18	4538	MeSH descriptor: [Angioplasty] explode all trees
19	661	(direct* angioplasty):ti,ab,kw
20	2565	(percutaneous transluminal angioplasty):ti,ab,kw
21	1253	(PTA):ti,ab,kw
22	21309	#17 or #18 or #19 or #20 or #21

23	671	(mechanical thrombectomy):ti,ab,kw
24	676	(Mechanical* thrombectom*):ti,ab,kw
25	3130	(MT):ti,ab,kw
26	459	(Mechanical Thrombolysis):ti,ab,kw
27	3798	#23 or #24 or #25 or #26
28	68	#9 and #22 and #27
29	56	#28 with Publication Year from 2015 to 2022, in Trials

#### Web of Science from 2015 to June 01, 2022

#No.	Results	Searches
1	692,739	TS=(acute ischemic stroke OR Brain Ischemia OR Stroke OR Cerebral Ischemic Stroke OR Cerebral Infarction OR cerebrovascular disease OR cerebr* stroke OR cerebr* Ischemia OR cerebr* Infarct* ) OR AB=(CIS OR CI)
2	4,567	TS=(Cerebrovascular Disorders OR intracranial atherosclerotic stenosis OR atherosclerotic intracranial arterial stenosis) OR TS=(intracranial artery stenosis AND intracranial artery atherosclerosis) OR TS=(Intracranial Arteriosclerosis AND Atherosclerosis)
3	693,292	#2 OR #1
4	14,393	TS=(Stent*OR stent* retrieval thrombectomy OR stent* retriever OR direct* stent* OR stent* implantation) OR AB=PTAS
5	17,922	TS=(Angioplasty OR direct* angioplasty OR percutaneous transluminal angioplasty) OR AB=PTA
6	29,815	#5 OR #4
7	33,841	TS=(mechanical thrombectomy OR Mechanical* thrombectom* OR Mechanical Thrombolysis) OR AB= MT
8	1,149	#7 AND #6 AND #3

#### Embase from 2015 to June 01, 2022

#No.	Results	Searches
1	5,407	'acute ischemic stroke'/exp
2	852,109	'cerebrovascular disease'/exp
3	7,092	'atherosclerosis'/exp AND 'brain atherosclerosis'/exp
4	179,049	(((((brain AND ischemia OR stroke OR cerebral) AND ischemic AND stroke OR cerebral) AND infarction OR cerebrovascular) AND disease OR cerebr*) AND stroke OR cerebr*) AND ischemia OR cerebr*) AND infarct*
5	1,891	((intracranial AND atherosclerotic AND stenosis OR atherosclerotic) AND intracranial AND arterial AND stenosis OR intracranial) AND stenosis AND intracranial AND artery AND atherosclerosis
6	866,656	#1 OR #2 OR #3 OR #4 OR #5
7	203,012	'stent'/exp
8	99,033	'angioplasty'/exp
9	38,923	((stent* AND retrieval AND thrombectomy OR stent*) AND retriever OR direct*) AND stent* OR stent*) AND implantation OR 'ptas'
10	65,156	(direct* AND angioplasty OR percutaneous) AND transluminal AND angioplasty OR 'pta'
11	285,580	#7 OR #8 OR #9 OR #10
12	7,274	((mechanical AND thrombectomy OR mechanical*) AND thrombectom* OR 'mt' OR mechanical) AND thrombolysis
13	1,408	#6 AND #11 AND #12
14	859	#13 AND ([chinese]/lim OR [english]/lim) AND [2015-2022]/py