

Supplementary Table 1. The top-100 cited articles on hemorrhagic stroke

Rank	Article	No. of citations	No. of annual citations	No. of annual citations, rank
1	Fisher CM, Kistler JP, Davis JM. Relation of cerebral vasospasm to subarachnoid hemorrhage visualized by computerized tomographic scanning. <i>Neurosurgery</i> 1980;6:1-9.	1746	48.5	13
2	Broderick JP, Brott TG, Duldner JE, et al. Volume of intracerebral hemorrhage. A powerful and easy-to-use predictor of 30-day mortality. <i>Stroke</i> 1993;24:987-993.	798	36.3	18
3	Mayer SA, Brun NC, Begtrup K, et al. Recombinant activated factor VII for acute intracerebral hemorrhage. <i>N Engl J Med</i> 2005;352:777-785.	794	72.2	4
4	Brott T, Broderick J, Kothari R, et al. Early hemorrhage growth in patients with intracerebral hemorrhage. <i>Stroke</i> 1997;28:1-5.	738	38.8	16
5	Allen GS, Ahn HS, Preziosi TJ, et al. Cerebral arterial spasm--a controlled trial of nimodipine in patients with subarachnoid hemorrhage. <i>N Engl J Med</i> 1983;308:619-624.	731	22.8	39
6	Qureshi AI, Tuhrim S, Broderick JP, et al. Spontaneous Intracerebral Hemorrhage. <i>N Engl J Med</i> 2001;344:1450-1460.	727	51.9	10
7	Locksley HB. Natural history of subarachnoid hemorrhage, intracranial aneurysms and arteriovenous malformations. Based on 6368 cases in the cooperative study. <i>J Neurosurg</i> 1966;25:219-239.	713	14.6	59
8	Kassell NF, Sasaki T, Colohan AR, et al. Cerebral vasospasm following aneurysmal subarachnoid hemorrhage. <i>Stroke</i> 1985;16:562-572.	689	23	37
9	Mendelow AD, Gregson BA, Fernandes HM, et al. Early surgery versus initial conservative treatment in patients with spontaneous supratentorial intracerebral haematomas in the International Surgical Trial in Intracerebral Haemorrhage (STICH): a randomised trial. <i>Lancet</i> 2005;365:387-397.	660	60	6
10	Hylek EM, Singer DE. Risk factors for intracranial hemorrhage in outpatients taking warfarin. <i>Ann Intern Med</i> 1994;120:897-902.	628	29.9	25
11	Morgenstern LB, Hemphill JC 3rd, Anderson C, et al. Guidelines for the Management of Spontaneous Intracerebral Hemorrhage. A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association. <i>Stroke</i> 2010;41:2108-2129.	628	125.6	1
12	Bederson JB, Connolly ES Jr, Batjer HH, et al. Guidelines for the management of aneurysmal subarachnoid hemorrhage: a statement for healthcare professionals from a special writing group of the Stroke Council, American Heart Association. <i>Stroke</i> 2009;40:994-1025	586	97.7	3

	Brott T, Broderick J, Kothari R, et al. Intracerebral hemorrhage after intravenous t-PA therapy for ischemic stroke. The NINDS t-PA Stroke Study Group. <i>Stroke</i> 1997;28:2109-2118.	576	32	23
13	Kothari RU, Brott T, Broderick JP, et al. The ABCs of measuring intracerebral hemorrhage volumes. <i>Stroke</i> 1996;27:1304-1305.	571	30.1	24
14	Broderick JP, Adams HP Jr, Barsan W, et al. Guidelines for the management of spontaneous intracerebral hemorrhage: A statement for healthcare professionals from a special writing group of the Stroke Council, American Heart Association. <i>Stroke</i> 1999;30:905-915.	561	35.1	21
15	Drake CG. Report of World Federation of Neurological Surgeons Committee on a Universal Subarachnoid Hemorrhage Grading Scale. <i>J Neurosurg</i> 1988;68:985-986.	537	19.9	43
16	Hop JW, Rinkel GJ, Algra A, et al. Case-fatality rates and functional outcome after subarachnoid hemorrhage: a systematic review. <i>Stroke</i> 1997;28:660-664.	533	29.6	27
17	Hemphill JC 3rd, Bonovich DC, Besmertis L, et al. The ICH score: a simple, reliable grading scale for intracerebral hemorrhage. <i>Stroke</i> 2001;32:891-897.	531	37.9	17
18	Xi G, Keep RF, Hoff JT. Mechanisms of brain injury after intracerebral haemorrhage. <i>Lancet Neurol</i> 2006;5:53-63.	512	51.2	11
19	van Gijn J, Rinkel GJ. Subarachnoid haemorrhage: diagnosis, causes and management. <i>Brain</i> 2001;124:249-278.	508	33.9	22
20	Perret G, Nishioka H. Report on the cooperative study of intracranial aneurysms and subarachnoid hemorrhage. Section VI. Arteriovenous malformations. An analysis of 545 cases of cranio-cerebral arteriovenous malformations and fistulae reported to the cooperative study. <i>J Neurosurg</i> 1966;25:467-490.	506	10.3	74
21	Mayer SA, Brun NC, Begtrup K, et al. Efficacy and safety of recombinant activated factor VII for acute intracerebral hemorrhage. <i>N Engl J Med</i> 2008;358:2127-2137.	489	69.9	5
22	Broderick J, Connolly S, Feldmann E, et al. Guidelines for the Management of Spontaneous Intracerebral Hemorrhage in Adults. <i>Stroke</i> 2007;38:2001-2023.	474	59.3	7
23	Larrue V, von Kummer R R, Müller A, et al. Risk factors for severe hemorrhagic transformation in ischemic stroke patients treated with recombinant tissue plasminogen activator: a secondary analysis of the European-Australasian Acute Stroke Study (ECASS II). <i>Stroke</i> 2001;32:438-441.	428	28.5	28
24	van Gijn J, Kerr RS, Rinkel GJ. Subarachnoid haemorrhage. <i>Lancet</i> 2007;369:306-318.	416	46.2	14

	Locksley HB. Natural history of subarachnoid hemorrhage, intracranial aneurysms and arteriovenous malformations. <i>J Neurosurg</i> 1966;25:321-368.	401	8.2	90
26	Broderick JP, Brott TG, Duldner JE, et al. Initial and recurrent bleeding are the major causes of death following subarachnoid hemorrhage. <i>Stroke</i> 1994;25:1342-1347.	385	18.3	46
27	Davis SM, Broderick J, Hennerici M, et al. Hematoma growth is a determinant of mortality and poor outcome after intracerebral hemorrhage. <i>Neurology</i> 2006;66:1175-1181.	368	40.9	15
28	Greenberg SM, Rebeck GW, Vonsattel JP, et al. Apolipoprotein E epsilon 4 and cerebral hemorrhage associated with amyloid angiopathy. <i>Ann Neurol</i> 1995;38:254-259.	357	17.9	48
29	Molyneux AJ, Kerr RS, Birks J, et al. Risk of recurrent subarachnoid haemorrhage, death, or dependence and standardised mortality ratios after clipping or coiling of an intracranial aneurysm in the International Subarachnoid Aneurysm Trial (ISAT): long-term follow-up. <i>Lancet Neurol</i> 2009;8:427-433.	335	55.8	8
30	Linn FH, Rinkel GJ, Algra A, et al. Incidence of subarachnoid hemorrhage: role of region, year, and rate of computed tomography: a meta-analysis. <i>Stroke</i> 1996;27:625-629.	333	17.5	49
31	Kazui S, Naritomi H, Yamamoto H, et al. Enlargement of spontaneous intracerebral hemorrhage. Incidence and time course. <i>Stroke</i> 1996;27:1783-1787.	331	17.4	51
32	Qureshi AI, Mendelow AD, Hanley DF. Intracerebral haemorrhage. <i>Lancet</i> 2009;373:1632-1644.	327	54.5	9
33	Mayberg MR, Batjer HH, Dacey R, et al. Guidelines for the management of aneurysmal subarachnoid hemorrhage. A statement for healthcare professionals from a special writing group of the Stroke Council, American Heart Association. <i>Stroke</i> 1994;25:2315-2328.	327	15.6	56
34	Broderick JP, Brott T, Tomsick T, et al. Intracerebral hemorrhage more than twice as common as subarachnoid hemorrhage. <i>J Neurosurg</i> 1993;78:188-191.	322	14	62
35	Phillips LH 2nd, Whisnant JP, O'Fallon WM, et al. The unchanging pattern of subarachnoid hemorrhage in a community. <i>Neurology</i> 1980;30:1034-1040.	322	9.2	83
36	Sacco RL, Wolf PA, Bharucha NE, et al. Subarachnoid and intracerebral hemorrhage: natural history, prognosis, and precursive factors in the Framingham Study. <i>Neurology</i> 1984;34:847-854.	314	10.1	76
37	Vonsattel JP, Myers RH, Hedley-Whyte ET, et al. Cerebral amyloid angiopathy without and with cerebral hemorrhages: a comparative histological study. <i>Ann Neurol</i> 1991;30:637-649.	314	13.1	66
38				

	Fang MC, Chang Y, Hylek EM, et al. Advanced age, anticoagulation intensity, and risk for intracranial hemorrhage among patients taking warfarin for atrial fibrillation. <i>Ann Intern Med</i> 2004;141:745-752.	313	28.5	29
39	Rosand J, Eckman MH, Knudsen KA, et al. The effect of warfarin and intensity of anticoagulation on outcome of intracerebral hemorrhage. <i>Arch Intern Med</i> 2004;164:880-884.	313	28.5	30
40	Hart RG, Boop BS, Anderson DC. Oral anticoagulants and intracranial hemorrhage. Facts and hypotheses. <i>Stroke</i> 1995;26:1471-1477.	310	15.5	57
41	van Asch CJ, Luitse MJ, Rinkel GJ, et al. Incidence, case fatality, and functional outcome of intracerebral haemorrhage over time, according to age, sex, and ethnic origin: a systematic review and meta-analysis. <i>Lancet Neurol</i> 2010;9:167-176.	300	50	12
42	Connolly ES Jr, Rabinstein AA, Carhuapoma JR, et al. Guidelines for the management of aneurysmal subarachnoid hemorrhage: a guideline for healthcare professionals from the American Heart Association/american Stroke Association. <i>Stroke</i> 2012;43:1711-1737.	300	100	2
43	Wyle EJ, Hein MF, Adams JE. Intracranial hemorrhage following surgical revascularization for treatment of acute strokes. <i>J Neurosurg</i> 1964;21:212-215.	299	5.9	101
44	Grubb RL Jr, Raichle ME, Eichling JO, et al. Effects of subarachnoid hemorrhage on cerebral blood volume, blood flow, and oxygen utilization in humans. <i>J Neurosurg</i> 1977;46:446-453.	299	7.9	92
45	Suarez JI, Tarr RW, Selman WR. Current concepts: Aneurysmal subarachnoid hemorrhage. <i>N Engl J Med</i> 2006;354:387-396.	297	29.7	26
46	Juvela S, Porras M, Poussa K. Natural history of unruptured intracranial aneurysms: probability of and risk factors for aneurysm rupture. <i>J Neurosurg</i> 2000;93:379-387.	292	19.5	44
47	Dumont AS, Dumont RJ, Chow MM, et al. Cerebral vasospasm after subarachnoid hemorrhage: putative role of inflammation. <i>Neurosurgery</i> 2003;53:123-133.	290	24.2	34
48	Awad IA, Carter LP, Spetzler RF, et al. Clinical vasospasm after subarachnoid hemorrhage: response to hypervolemic hemodilution and arterial hypertension. <i>Stroke</i> 1987;18:365-372.	289	10.3	75
49	Berger C, Fiorelli M, Steiner T, et al. Hemorrhagic transformation of ischemic brain tissue: asymptomatic or symptomatic? <i>Stroke</i> 2001;32:1330-1335.	287	20.5	41
50	Friedman AH, Drake CG. Subarachnoid hemorrhage from intracranial dissecting aneurysm. <i>J Neurosurg</i> 1984;60:325-334.	284	9.2	84
51				

52	de Rooij NK, Linn FH, van der Plas JA, et al. Incidence of subarachnoid haemorrhage: a systematic review with emphasis on region, age, gender and time trends. <i>J Neurol Neurosurg Psychiatry</i> 2007;78:1365-1372.	284	35.5	20
53	He J, Whelton PK, Vu B, et al. Aspirin and risk of hemorrhagic stroke: a meta-analysis of randomized controlled trials. <i>JAMA</i> 1998;280:1930-1935.	280	16.5	54
54	Donahue RP, Abbott RD, Reed DM, et al. Alcohol and hemorrhagic stroke. The Honolulu Heart Program. <i>JAMA</i> 1986;255:2311-2314.	280	9.7	77
55	Lee KR, Colon GP, Betz AL, et al. Edema from intracerebral hemorrhage: the role of thrombin. <i>J Neurosurg.</i> 1996;84:91-96.	279	14	63
56	Flibotte JJ, Hagan N, O'Donnell J, et al. Warfarin, hematoma expansion, and outcome of intracerebral hemorrhage. <i>Neurology</i> 2004;63:1059-1064.	278	25.3	33
57	O'Donnell HC, Rosand J, Knudsen KA, et al. Apolipoprotein E genotype and the risk of recurrent lobar intracerebral hemorrhage. <i>N Engl J Med</i> 2000;342:240-245.	274	17.1	53
58	Feigin VL, Rinkel GJ, Lawes CM, et al. Risk factors for subarachnoid hemorrhage: an updated systematic review of epidemiological studies. <i>Stroke</i> 2005;36:2773-2780.	272	27.2	32
59	Shibuya M, Suzuki Y, Sugita K, et al. Effect of AT877 on cerebral vasospasm after aneurysmal subarachnoid hemorrhage. Results of a prospective placebo-controlled double-blind trial. <i>J Neurosurg</i> 1992;76:571-577.	272	11.8	71
60	Cloft HJ, Joseph GJ, Dion JE. Risk of cerebral angiography in patients with subarachnoid hemorrhage, cerebral aneurysm, and arteriovenous malformation: a meta-analysis. <i>Stroke</i> 1999;30:317-320.	271	15.9	55
61	Larrue V, von Kummer R, del Zoppo G, et al. Hemorrhagic transformation in acute ischemic stroke. Potential contributing factors in the European Cooperative Acute Stroke Study. <i>Stroke</i> 1997;28:957-960.	269	14.9	58
62	Broderick JP, Brott T, Tomsick T, et al. The risk of subarachnoid and intracerebral hemorrhages in blacks as compared with whites. <i>N Engl J Med</i> 1992;326:733-736.	264	11.5	72
63	Huang FP, Xi G, Keep RF, et al. Brain edema after experimental intracerebral hemorrhage: role of hemoglobin degradation products. <i>J Neurosurg</i> 2002;96:287-293.	264	18.9	45
64	Kernan WN, Viscoli CM, Brass LM, et al. Phenylpropanolamine and the risk of hemorrhagic stroke. <i>N Engl J Med</i> 2000;343:1826-1832.	263	17.5	50
65	Ariesen MJ, Claus SP, Rinkel GJ, et al. Risk factors for intracerebral hemorrhage in the general population: a systematic review. <i>Stroke</i> 2003;34:2060-2065.	260	21.7	40

	Claassen J, Bernardini GL, Kreiter K, et al. Effect of cisternal and ventricular blood on risk of delayed cerebral ischemia after subarachnoid hemorrhage: the Fisher scale revisited. <i>Stroke</i> 2001;32:2012-2020.	255	18.2	47
66	Greenberg SM, Eng JA, Ning M, et al. Hemorrhage burden predicts recurrent intracerebral hemorrhage after lobar hemorrhage. <i>Stroke</i> 2004;35:1415-1420.	253	23	38
67	Juvela S, Heiskanen O, Poranen A, et al. The treatment of spontaneous intracerebral hemorrhage. A prospective randomized trial of surgical and conservative treatment. <i>J Neurosurg</i> 1989;70:755-758.	253	9.7	78
68	Greenhoot JH, Reichenbach DD. Cardiac injury and subarachnoid hemorrhage. A clinical, pathological, and physiological correlation. <i>J Neurosurg</i> 1969;30:521-531.	253	5.5	102
69	Heros RC, Zervas NT, Varsos V. Cerebral vasospasm after subarachnoid hemorrhage: an update. <i>Ann Neurol</i> 1983;14:599-608.	252	7.9	93
70	Hughes JT, Schianchi PM. Cerebral artery spasm. A histological study at necropsy of the blood vessels in cases of subarachnoid hemorrhage. <i>J Neurosurg</i> 1978;48:515-525.	250	6.8	98
71	Macdonald RL, Kassell NF, Mayer S, et al. Clazosentan to overcome neurological ischemia and infarction occurring after subarachnoid hemorrhage (CONSCIOUS-1): randomized, double-blind, placebo-controlled phase 2 dose-finding trial. <i>Stroke</i> 2008;39:3015-3021.	249	35.6	19
72	Mizutani T, Aruga T, Kirino T, et al. Recurrent subarachnoid hemorrhage from untreated ruptured vertebrobasilar dissecting aneurysms. <i>Neurosurgery</i> 1995;36:905-911.	246	12.3	68
73	van Gijn J, Hijdra A, Wijdicks EF, et al. Acute hydrocephalus after aneurysmal subarachnoid hemorrhage. <i>J Neurosurg</i> 1985;63:355-362.	246	8.2	91
74	Vespa PM, O'Phelan K, Shah M, et al. Acute seizures after intracerebral hemorrhage: a factor in progressive midline shift and outcome. <i>Neurology</i> 2003;60:1441-1446.	245	20.4	42
75	Teasdale GM, Drake CG, Hunt W, et al. A universal subarachnoid hemorrhage scale: report of a committee of the World Federation of Neurosurgical Societies. <i>J Neurol Neurosurg Psychiatry</i> 1988;51:1457.	245	9.1	85
76	Kassell NF, Haley EC Jr, Apperson-Hansen C, et al. Randomized, double-blind, vehicle-controlled trial of tirilazad mesylate in patients with aneurysmal subarachnoid hemorrhage: a cooperative study in Europe, Australia, and New Zealand. <i>J Neurosurg</i> 1996;84:221-228.	244	12.2	69
77	Alberts MJ, Graffagnino C, McClenney C, et al. ApoE genotype and survival from intracerebral haemorrhage. <i>Lancet</i> 1995;346:575.	238	11.9	70
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79	Gray F, Dubas F, Roulet E, et al. Leukoencephalopathy in diffuse hemorrhagic cerebral amyloid angiopathy. <i>Ann Neurol</i> 1985;18:54-59.	238	7.9	94
80	Daverat P, Castel JP, Dartigues JF, et al. Death and functional outcome after spontaneous intracerebral hemorrhage. A prospective study of 166 cases using multivariate analysis. <i>Stroke</i> 1991;22:1-6.	236	9.4	82
81	Demchuk AM, Morgenstern LB, Krieger DW, et al. Serum glucose level and diabetes predict tissue plasminogen activator-related intracerebral hemorrhage in acute ischemic stroke. <i>Stroke</i> 1999;30:34-39.	233	13.7	65
82	van Gijn J, van Dongen KJ, Vermeulen M, et al. Perimesencephalic hemorrhage: a nonaneurysmal and benign form of subarachnoid hemorrhage. <i>Neurology</i> 1985;35:493-497.	230	7.7	95
83	Okada Y, Yamaguchi T, Minematsu K, et al. Hemorrhagic transformation in cerebral embolism. <i>Stroke</i> 1989;20:598-603.	230	8.8	86
84	Fiorelli M, Bastianello S, von Kummer R, et al. Hemorrhagic transformation within 36 hours of a cerebral infarct: relationships with early clinical deterioration and 3-month outcome in the European Cooperative Acute Stroke Study I (ECASS I) cohort. <i>Stroke</i> 1999;30:2280-2284.	229	14.3	60
85	Piepgras DG, Morgan MK, Sundt TM Jr, et al. Intracerebral hemorrhage after carotid endarterectomy. <i>J Neurosurg</i> 1988;68:532-536.	227	8.4	89
86	Yano K, Reed DM, MacLean CJ. Serum cholesterol and hemorrhagic stroke in the Honolulu Heart Program. <i>Stroke</i> 1989;20:1460-1465.	226	8.7	87
87	Woo D, Sauerbeck LR, Kissela BM, et al. Genetic and environmental risk factors for intracerebral hemorrhage: preliminary results of a population-based study. <i>Stroke</i> 2002;33:1190-1195.	225	17.3	52
88	Edlow JA, Caplan LR. Avoiding pitfalls in the diagnosis of subarachnoid hemorrhage. <i>N Engl J Med</i> 2000;342:29-36.	224	14	64
89	Wang J, Doré S. Inflammation after intracerebral hemorrhage. <i>J Cereb Blood Flow Metab</i> 2007;27:894-908.	223	27.9	31
90	Masaoka H, Suzuki R, Hirata Y, et al. Raised plasma endothelin in aneurysmal subarachnoid haemorrhage. <i>Lancet</i> 1989;2:1402.	220	8.5	88
91	Teunissen LL, Rinkel GJ, Algra A, et al. Risk factors for subarachnoid hemorrhage: a systematic review. <i>Stroke</i> 1996;27:544-549.	219	11.5	73
92	Brott T, Thalinger K, Hertzberg V. Hypertension as a risk factor for spontaneous intracerebral hemorrhage. <i>Stroke</i> 1986;17:1078-1083.	215	7.4	96
93	Kelly DF, Gonzalo IT, Cohan P, et al. Hypopituitarism following traumatic brain injury and aneurysmal subarachnoid hemorrhage: a preliminary report. <i>J Neurosurg</i> 2000;93:743-752.	215	14.3	61

	Simoons ML, Maggioni AP, Knatterud G, et al. Individual risk assessment				
94	for intracranial haemorrhage during thrombolytic therapy. Lancet	214	9.7	79	
	1993;342:1523-1528.				
95	Wakai S, Yamakawa K, Manaka S, et al. Spontaneous intracranial hemorrhage caused by brain tumor: its incidence and clinical significance. Neurosurgery	212	6.4	100	
	1982;10:437-444.				
96	Steiner T, Kaste M, Forsting M, et al. Recommendations for the management of intracranial haemorrhage - part I: spontaneous intracerebral haemorrhage. The European Stroke Initiative Writing Committee and the Writing Committee for the EUSI Executive Committee. Cerebrovasc Dis	212	23.6	35	
	2006;22:294-316.				
97	Alexander MP, Freedman M. Amnesia after anterior communicating artery aneurysm rupture. Neurology	212	6.8	99	
	1984;34:752-757.				
98	Fujii Y, Tanaka R, Takeuchi S, et al. Hematoma enlargement in spontaneous intracerebral hemorrhage. J Neurosurg	211	9.6	80	
	1994;80:51-57.				
99	Longstreth WT Jr, Nelson LM, Koepsell TD, et al. Clinical course of spontaneous subarachnoid hemorrhage: a population-based study in King County, Washington. Neurology	211	9.6	81	
	1993;43:712-718.				
100	Dreier JP, Woitzik J, Fabricius M, et al. Delayed ischaemic neurological deficits after subarachnoid haemorrhage are associated with clusters of spreading depolarizations. Brain	211	23.4	36	
	2006;129:3224-3237.				