Erratum

Highly cited works in neurosurgery. Part II: the citation classics

A review

TO THE EDITOR: We write to report an error that was brought to our attention; the error appeared in our paper “Highly cited works in neurosurgery. Part II: the citation classics. A review” (*J Neurosurg* 112:233–246, 2010).

In Table 2 of this paper, the first and second highest cited works were originally listed in the wrong order. Jennett and Bond’s article “Assessment of outcome after severe brain damage. A practical scale” was ranked No. 1, and Teasdale and Jennett’s article “Assessment of coma and impaired consciousness. A practical scale” was ranked No. 2. This was incorrect.

Our method consisted of using search phrases pertinent to neurosurgery; these phrases are listed in Table 1 of our paper. The two seminal papers specified above were omitted using an early collection of search phrases. Recognizing this omission, we added the term “coma” to the search to capture these two papers. In revising the tables, a cut-and-paste error was made.

We are pleased to have the opportunity to correct this error. The corrected table appears on the following pages.

We apologize to the editor and readers. The error has been corrected online as of March 14, 2014.

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TABLE 2: Articles with more than 400 citations, ranked in order of citations received

Rank	Article	No. of Times Cited
1.	Teasdale G, Jennett B: Assessment of coma and impaired consciousness. A practical scale. Lancet 2:81–84, 1974	4199
2.	Jennett B, Bond M: Assessment of outcome after severe brain-damage. A practical scale. Lancet 1:480–484, 1975	3163
3.	Taylor DW: Beneficial effect of carotid endarterectomy in symptomatic patients with high-grade carotid stenosis. North American Symptomatic Carotid Endarterectomy Trial Collaborators. N Engl J Med 325:445–453, 1991	2912
4.	Executive Committee for the Asymptomatic Carotid Atherosclerosis Study: Endarterectomy for asymptomatic carotid artery stenosis. JAMA 273:1421–1428, 1995	2057
5.	Hunt WE, Hess RM: Surgical risk as related to time of intervention in the repair of intracranial aneurysms. J Neurosurg 28:14–20, 1968	1518
6.	Aaslid R, Markwalder TM, Nornes H: Noninvasive transcranial Doppler ultrasound recording of flow velocity in basal cerebral arteries. J Neurosurg 57:769–774, 1982	1464
7.	MRC European Carotid Surgery Trial: Interim results for symptomatic patients with severe (70–99%) or with mild (0–29%) carotid stenosis. European Carotid Surgery Trialists' Collaborative Group. Lancet 337:1235–1243, 1991	1331
8.	Fisher CM, Kistler JP, Davis JM: Relation of cerebral vasospasm to subarachnoid hemorrhage visualized by computerized tomographic scanning. Neurosurgery 6:1–9, 1980	1215
9.	Stupp R, Mason WP, van den Bent MJ, Weller M, Fisher B, Taphoorn MJ, Belanger K, Brandes AA, Marosi C, Bogdahn U, Curschmann J, Janzer RC, Ludwin SK, Gorlia T, Allgeier A, Lacombe D, Cairncross JG, Eisenhauer E, Mirimanoff RO; European Organisation for Research and Treatment of Cancer Brain Tumor and Radiotherapy Groups; National Cancer Institute of Canada Clinical Trials Group: Radiotherapy plus concomitant and adjuvant temozolomide for glioblastoma. N Engl J Med 352:987–996, 2005	1174
10.	Barnett HJM, Taylor W, Eliasziw M, Fox AJ, Ferguson GG, Haynes RB, Rankin RN, Clagett GP, Hachinski VC, Sackett DL, Thorpe KE, Meldrum HE, Spence JD: Benefit of carotid endarterectomy in patients with symptomatic moderate or severe stenosis. North American Symptomatic Carotid Endarterectomy Trial Collaborators. N Engl J Med 339:1415–1425, 1998	1110
11.	Bracken MB, Shepard MJ, Collins WF, Holford TR, Young W, Baskin DS, Eisenberg HM, Flamm E, Leo-Summers L, Maroon J, Marshall LF, Perot PL, Piepmeier J, Sonntag VKH, Wagner FC, Wilberger JE, Winn HR: A randomized, controlled trial of methylprednisolone or naloxone in the treatment of acute spinal-cord injury. Results of the Second National Acute Spinal Cord Injury Study. N Engl J Med 322:1405–1411, 1990	1092
12.	European Carotid Surgery Trialists' Collaborative Group: Randomised trial of endarterectomy for recently symptomatic carotid stenosis: final results of the MRC European Carotid Surgery Trial (ECST). Lancet 351:1379–1387, 1998	1027
13.	Furlan A, Higashida R, Wechsler L, Gent M, Rowley H, Kase C, Pessin M, Ahuja A, Callahan F, Clark WM, Silver F, Rivera F: Intra-arterial prourokinase for acute ischemic stroke. The PROACT II study: a randomized controlled trial. Prolyse in Acute Cerebral Thromboembolism. JAMA 282:2003–2011, 1999	1016
14.	Levy RM, Bredesen DE, Rosenblum ML: Neurological manifestations of the acquired immunodeficiency syndrome (AIDS): experience at UCSF and review of the literature. J Neurosurg 62:475–495, 1985	1007
15.	Walker MD, Alexander E Jr, Hunt WE, MacCarty CS, Mahaley MS Jr, Mealey J Jr, Norrell HA, Owens G, Ransohoff J, Wilson CB, Gehan EA, Strike TA: Evaluation of BCNU and/or radiotherapy in the treatment of anaplastic gliomas. A cooperative clinical trial. J Neurosurg 49:333–343, 1978	994
16.	Kleihues P, Burger PC, Scheithauer BW: The new WHO classification of brain tumours. Brain Pathol 3:255–268, 1993	938
17.	Walker MD, Green SB, Byar DP, Alexander E Jr, Batzdorf U, Brooks WH, Hunt WE, MacCarty CS, Mahaley MS Jr, Mealey J Jr, Owens G, Ransohoff J II, Robertson JT, Shapiro WR, Smith KR Jr, Wilson CB, Strike TA: Randomized comparisons of radiotherapy and nitrosoureas for the treatment of malignant glioma after surgery. N Engl J Med 303:1323–1329, 1980	932
18.	Kassell NF, Torner JC, Haley EC Jr, Jane JA, Adams HP, Kongable GL: The International Cooperative Study on the Timing of Aneurysm Surgery. Part 1: overall management results. J Neurosurg 73:18–36, 1990	925
19.	Patchell RA, Tibbs PA, Walsh JW, Dempsey RJ, Maruyama Y, Kryscio RJ, Markesbery WR, MacDonald JS, Young B: A randomized trial of surgery in the treatment of single metastases to the brain. N Engl J Med 322:494–500, 1990	903
20.	Wada J, Rasmussen T: Intracarotid injection of sodium amyltal for the lateralization of cerebral speech dominance. Experimental and clinical observations. J Neurosurg 17:266–282, 1960	876
21.	Freed CR, Greene PE, Breeze RE, Tsai WY, DuMouchel W, Kao R, Dillon S, Winfield H, Culver S, Trojanowski JQ, Eidelberg D, Fahn S: Transplantation of embryonic dopamine neurons for severe Parkinson's disease. N Engl J Med 344:710–719, 2001	797
22.	Limousin P, Krack P, Pollak P, Benazzouz A, Ardouin C, Hoffmann D, Benabid AL: Electrical stimulation of the subthalamic nucleus in advanced Parkinson's disease. N Engl J Med 339:1105–1111, 1998	772

(continued)

TABLE 2: Articles with more than 400 citations, ranked in order of citations received (*continued*)

Rank	Article	No. of Times Cited
23.	Molyneux A, Kerr R, Stratton I, Sandercock P, Clarke M, Shrimpton J, Holman R; International Subarachnoid Aneurysm Trial (ISAT) Collaborative Group: International Subarachnoid Aneurysm Trial (ISAT) of neurosurgical clipping versus endovascular coiling in 2143 patients with ruptured intracranial aneurysms: a randomised trial. Lancet 360 :1267–1274, 2002	771
24.	Cloward RB: The anterior approach for removal of ruptured cervical disks. J Neurosurg 15 :602–617, 1958	728
25.	Adams RD, Fisher CM, Hakim S, Ojemann RG, Sweet WH: Symptomatic occult hydrocephalus with “normal” cerebrospinal-fluid pressure. A treatable syndrome. N Engl J Med 273 :117–126, 1965	721
26.	Hobson RW II, Weiss DG, Fields WS, Goldstone J, Moore WS, Towne JB, Wright CB: Efficacy of carotid endarterectomy for asymptomatic carotid stenosis. The Veterans Affairs Cooperative Study Group. N Engl J Med 328 :221–227, 1993	709
27.	Yadav JS, Wholey MH, Kuntz RE, Fayad P, Katzen BT, Mishkel GJ, Bajwa TK, Whitlow P, Strickman NE, Jaff MR, Popma JJ, Snead DB, Cutlip DE, Firth BG, Ouriel K, Stenting and Angioplasty with Protection in Patients at High Risk for Endarterectomy Investigators: Protected carotid-artery stenting versus endarterectomy in high-risk patients. N Engl J Med 351 :1493–1501, 2004	702
28.	Laitinen LV, Bergenheim AT, Hariz MI: Leksell's posteroventral pallidotomy in the treatment of Parkinson's disease. J Neurosurg 76 :53–61, 1992	668
29.	Siesjo BK: Pathophysiology and treatment of focal cerebral ischemia. Part II: mechanisms of damage and treatment. J Neurosurg 77 :337–354, 1992	667
30.	Guglielmi G, Viñuela F, Dion J, Duckwiler G: Electrothrombosis of saccular aneurysms via endovascular approach. Part 2: preliminary clinical experience. J Neurosurg 75 :8–14, 1991	663
31.	Spetzler RF, Martin NA: A proposed grading system for arteriovenous malformations. J Neurosurg 65 :476–483, 1986	657
32a.	Chesnut RM, Marshall LF, Klauber MR, Blunt BA, Baldwin N, Eisenberg HM, Jane JA, Marmarou A, Foulkes MA: The role of secondary brain injury in determining outcome from severe head injury. J Trauma 34 :216–222, 1993	655
32b.	Jensen MC, Brant-Zawadzki MN, Obuchowski N, Modic MT, Malkasian D, Ross JS: Magnetic resonance imaging of the lumbar spine in people without back pain. N Engl J Med 331 :69–73, 1994	655
34.	Marion DW, Penrod LE, Kelsey SF, Obrist WD, Kochanek PM, Palmer AM, Wisniewski SR, DeKosky ST: Treatment of traumatic brain injury with moderate hypothermia. N Engl J Med 336 :540–546, 1997	648
35.	Kleihues P, Louis DN, Scheithauer BW, Rorke LB, Reifenberger G, Burger PC, Cavenee WK: The WHO classification of tumors of the nervous system. J Neuropathol Exp Neurol 61 :215–229, 2002	644
36.	Simpson D: The recurrence of intracranial meningiomas after surgical treatment. J Neurol Neurosurg Psychiatry 20 :22–39, 1957	643
37.	Allen GS, Ahn HS, Preziosi TJ, Battye R, Boone SC, Chou SN, Kelly DL, Weir BK, Crabbe RA, Lavik PJ, Rosenbloom SB, Dorsey FC, Ingram CR, Mellits DE, Bertsch LA, Boisvert DP, Hundley MB, Johnson RK, Strom JA, Transou CR: Cerebral arterial spasm—a controlled trial of nimodipine in patients with subarachnoid hemorrhage. N Engl J Med 308 :619–624, 1983	638
38.	Limousin P, Pollak P, Benazzouz A, Hoffmann D, Le Bas JF, Broussolle E, Perret JE, Benabid AL: Effect of parkinsonian signs and symptoms of bilateral subthalamic nucleus stimulation. Lancet 345 :91–95, 1995	636
39.	Locksley H: Natural history of subarachnoid hemorrhage, intracranial aneurysms and arteriovenous malformations. J Neurosurg 25 :321–368, 1966	626
40.	Lindvall O, Brundin P, Widner H, Rehnström S, Gustavii B, Frackowiak R, Leenders KL, Sawle G, Rothwell JC, Marsden CD, Björklund A: Grafts of fetal dopamine neurons survive and improve motor function in Parkinson's disease. Science 247 :574–577, 1990	611
41.	Cairncross JG, Ueki K, Zlatescu MC, Lisle DK, Finkelstein DM, Hammond RR, Silver JS, Stark PC, Macdonald DR, Ino Y, Ramsay DA, Louis DN: Specific genetic predictors of chemotherapeutic response and survival in patients with anaplastic oligodendrogliomas. J Natl Cancer Inst 90 :1473–1479, 1998	592
42a.	Daumas-Duport C, Scheithauer B, O'Fallon J, Kelly P: Grading of astrocytomas. A simple and reproducible method. Cancer 62 :2152–2165, 1988	590
42b.	Leksell L: The stereotaxic method and radiosurgery of the brain. Acta Chir Scand 102 :316–319, 1951	590
44.	Macdonald DR, Cascino TL, Schold SC Jr, Cairncross JG: Response criteria for phase II studies of supratentorial malignant glioma. J Clin Oncol 8 :1277–1280, 1990	574
45.	International Study of Unruptured Intracranial Aneurysms Investigators: Unruptured intracranial aneurysms—risk of rupture and risks of surgical intervention. N Engl J Med 339 :1725–1733, 1998	566
46.	Hegi ME, Diserens AC, Gorlia T, Hamou MF, de Tribolet N, Weller M, Kros JM, Hainfellner JA, Mason W, Mariani L, Bromberg JE, Hau P, Mirimanoff RO, Cairncross JG, Janzer RC, Stupp R: MGMT gene silencing and benefit from temozolomide in glioblastoma. N Engl J Med 352 :997–1003, 2005	559

(continued)

TABLE 2: Articles with more than 400 citations, ranked in order of citations received (*continued*)

Rank	Article	No. of Times Cited
47.	Maynard FM Jr, Bracken MB, Creasey G, Ditunno JF Jr, Donovan WH, Ducker TB, Garber SL, Marino RJ, Stover SL, Tator CH, Waters RL, Wilberger JE, Young W: International Standards for Neurological and Functional Classification of Spinal Cord Injury. American Spinal Injury Association. Spinal Cord 35:266–274, 1997	554
48.	Rimel RW, Giordani B, Barth JT, Boll TJ, Jane JA: Disability caused by minor head injury. Neurosurgery 9:221–228, 1981	553
49.	Becker DP, Miller JD, Ward JD, Greenberg RP, Young HF, Sakalas R: The outcome from severe head injury with early diagnosis and intensive management. J Neurosurg 47:491–502, 1977	552
50a.	Kassell NF, Sasaki T, Colohan A, Nazar G: Cerebral vasospasm following aneurysmal subarachnoid hemorrhage. Stroke 16:562–572, 1985	551
50b.	Serbinenko FA: Balloon catheterization and occlusion of major cerebral vessels. J Neurosurg 41:125–145, 1974	551
52.	Denis F: The three column spine and its significance in the classification of acute thoracolumbar spinal injuries. Spine (Phila Pa 1976) 8:817–831, 1983	547
53.	Ojemann G, Ojemann J, Lettich E, Berger M: Cortical language localization in left, dominant hemisphere. An electrical stimulation mapping investigation in 117 patients. J Neurosurg 71:316–326, 1989	542
54.	Taylor DC, Falconer MA, Bruton CJ, Corsellis JA: Focal dysplasia of the cerebral cortex in epilepsy. J Neurol Neurosurg Psychiatry 34:369–387, 1971	540
55.	Obrist WD, Langfitt TW, Jaggi JL, Cruz J, Gennarelli TA: Cerebral blood flow and metabolism in comatose patients with acute head injury. Relationship to intracranial hypertension. J Neurosurg 61:241–253, 1984	537
56.	Brown MM, Rogers J, Bland JM, CAVATAS Investigators: Endovascular versus surgical treatment in patients with carotid stenosis in the Carotid and Vertebral Artery Transluminal Angioplasty Study (CAVATAS): a randomised trial. Lancet 357:1729–1737, 2001	536
57.	Benabid AL, Pollak P, Gao D, Hoffmann D, Limousin P, Gay E, Payen I, Benazzouz A: Chronic electrical stimulation of the ventralis intermedius nucleus of the thalamus as a treatment of movement disorders. J Neurosurg 84:203–214, 1996	534
58.	Fine HA, Dear KB, Loeffler JS, Black PM, Canellos GP: Meta-analysis of radiation therapy with and without adjuvant chemotherapy for malignant gliomas in adults. Cancer 71:2585–2597, 1993	533
59.	Siesjo BK: Pathophysiology and treatment of focal cerebral ischemia. Part I: pathophysiology. J Neurosurg 77:169–184, 1992	531
60.	Halliday A, Mansfield A, Marro J, Peto C, Peto R, Potter J, Thomas D; MRC Asymptomatic Carotid Surgery Trial (ACST) Collaborative Group: Prevention of disabling and fatal strokes by successful carotid endarterectomy in patients without recent neurological symptoms: randomised controlled trial. Lancet 363:1491–1502, 2004	530
61.	Deep-Brain Stimulation for Parkinson's Disease Study Group: Deep-brain stimulation of the subthalamic nucleus or the pars interna of the globus pallidus in Parkinson's disease. N Engl J Med 345:956–963, 2001	527
62.	Madrazo I, Drucker-Colin R, Diaz V, Martinez-Mata J, Torres C, Becerril JJ: Open microsurgical autograft of adrenal medulla to the right caudate nucleus in two patients with intractable Parkinson's disease. N Engl J Med 316:831–834, 1987	524
63.	Tator CH, Fehlings MG: Review of the secondary injury theory of acute spinal cord trauma with emphasis on vascular mechanisms. J Neurosurg 75:15–26, 1991	523
64.	Viñuela F, Duckwiler G, Mawad M: Guglielmi detachable coil embolization of acute intracranial aneurysm: perioperative anatomical and clinical outcome in 403 patients. J Neurosurg 86:475–482, 1997	516
65.	EC/IC Bypass Study Group: Failure of extracranial-intracranial arterial bypass to reduce the risk of ischemic stroke. Results of an international randomized trial. N Engl J Med 313:1191–1200, 1985	509
66.	Brem H, Piantadosi S, Burger PC, Walker M, Selker R, Vick NA, Black K, Sisti M, Brem S, Mohr G, Muller P, Morawetz R, Schold SC: Placebo-controlled trial of safety and efficacy of intraoperative controlled delivery by biodegradable polymers of chemotherapy for recurrent gliomas. Lancet 345:1008–1012, 1995	500
67.	Burger PC, Vogel FS, Green SB, Strike TA: Glioblastoma multiforme and anaplastic astrocytoma. Pathologic criteria and prognostic implications. Cancer 56:1106–1111, 1985	486
68a.	Curran WJ Jr, Scott CB, Horton J, Nelson JS, Weinstein AS, Fischbach AJ, Chang CH, Rotman M, Asbell SO, Krisch RE, Nelson DF: Recursive partitioning analysis of prognostic factors in three Radiation Therapy Oncology Group malignant glioma trials. J Natl Cancer Inst 85:704–710, 1993	485
68b.	Mayberg MR, Wilson SE, Yatsu F, Weiss DG, Messina L, Hershey LA, Colling C, Eskridge J, Deykin D, Winn HR: Carotid endarterectomy and prevention of cerebral ischemia in symptomatic carotid stenosis. Veterans Affairs Cooperative Studies Program 309 Trialist Group. JAMA 266:3289–3294, 1991	485
70.	Mayer SA, Brun NC, Begtrup K, Broderick J, Davis S, Diringer MN, Skolnick BE, Steiner T; Recombinant Activated Factor VII Intracerebral Hemorrhage Trial Investigators: Recombinant activated factor VII for acute intracerebral hemorrhage. N Engl J Med 352:777–785, 2005	483

(continued)

TABLE 2: Articles with more than 400 citations, ranked in order of citations received (*continued*)

Rank	Article	No. of Times Cited
71.	Benabid AL, Benazzouz A, Hoffmann D, Limousin P, Krack P, Pollak P: Long-term electrical inhibition of deep brain targets in movement disorders. Mov Disord 13 (Suppl 3):119–125, 1998	481
72.	Wiebe S, Blume WT, Girvin JP, Eliasziw M: A randomized, controlled trial of surgery for temporal-lobe epilepsy. N Engl J Med 345:311–318, 2001	479
73.	Clifton GL, Miller ER, Choi SC, Levin HS, McCauley S, Smith KR Jr, Muizelaar JP, Wagner FC Jr, Marion DW, Luerksen TG, Chesnut RM, Schwartz M: Lack of effect of induction of hypothermia after acute brain injury. N Engl J Med 344:556–563, 2001	478
74.	Hochberg FH, Miller DC: Primary central nervous system lymphoma. J Neurosurg 68:835–853, 1988	472
75.	Bamford J, Sandercock P, Dennis M, Burn J, Warlow C: A prospective study of acute cerebrovascular disease in the community: the Oxfordshire Community Stroke Project—1981–86. 2. Incidence, case fatality rates and overall outcome at one year of cerebral infarction, primary intracerebral and subarachnoid haemorrhage. J Neurol Neurosurg Psychiatry 53:16–22, 1990	470
76.	Hochberg FH, Pruitt A: Assumptions in the radiotherapy of glioblastoma. Neurology 30:907–911, 1980	467
77.	Weber H: Lumbar disc herniation. A controlled, prospective study with ten years of observation. Spine (Phila Pa 1976) 8:131–140, 1983	465
78.	Kassell NF, Torner JC, Jane JA, Haley EC Jr, Adams HP: The International Cooperative Study on the Timing of Aneurysm Surgery. Part 2. Surgical results. J Neurosurg 73:37–47, 1990	460
79a.	Freed CR, Breeze RE, Rosenberg NL, Schneck SA, Kriek E, Qi JX, Lone T, Zhang YB, Snyder JA, Wells TH, Ramig LO, Thompson L, Mazziotto JC, Huang SC, Grafton ST, Brooks D, Sawle G, Schroter G, Ansari AA: Survival of implanted fetal dopamine cells and neurologic improvement 12 to 46 months after transplantation for Parkinson's disease. N Engl J Med 327:1549–1555, 1992	456
79b.	Sundt TM, Sharbrough FW, Piepgras DG, Kearns TP, Messick JM, O'Fallon WM: Correlation of cerebral blood flow and electroencephalographic changes during carotid endarterectomy: with results of surgery and hemodynamics of cerebral ischemia. Mayo Clin Proc 56:533–543, 1981	456
81a.	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. J Neurosurg 25:467–490, 1966	454
81b.	Ram Z, Culver KW, Oshiro EM, Viola JJ, DeVroom HL, Otto E, Long Z, Chiang Y, McGarrity GJ, Muul LM, Katz D, Blaese RM, Oldfield EH: Therapy of malignant brain tumors by intratumoral implantation of retroviral vector-producing cells. Nat Med 3:1354–1361, 1997	454
83.	Smith GW, Robinson RA: The treatment of certain cervical-spine disorders by anterior removal of the intervertebral disc and interbody fusion. J Bone Joint Surg Am 40-A:607–624, 1958	453
84.	Krack P, Batir A, Van Blercom N, Chabardes S, Fraix V, Ardouin C, Koudsie A, Limousin PD, Benazzouz A, LeBas JF, Benabid AL, Pollak P: Five-year follow-up of bilateral stimulation of the subthalamic nucleus in advanced Parkinson's disease. N Engl J Med 349:1925–1934, 2003	450
85.	Gardner WJ: Hydrodynamic mechanism of syringomyelia: its relationship to myelocoele. J Neurol Neurosurg Psychiatry 28:247–259, 1965	449
86.	Levin HS, Mattis S, Ruff RM, Eisenberg HM, Marshall LF, Tabaddor K, High WM Jr, Frankowski RF: Neurobehavioral outcome following minor head injury: a three-center study. J Neurosurg 66:234–243, 1987	448
87.	Yadav JS, Roubin GS, Iyer S, Vitek J, King P, Jordan WD, Fisher WS: Elective stenting of the extracranial carotid arteries. Circulation 95:376–381, 1997	446
88.	Mirimanoff RO, Dosoretz DE, Linggood RM, Ojemann RG, Martuza RL: Meningioma: analysis of recurrence and progression following neurosurgical resection. J Neurosurg 62:18–24, 1985	442
89.	Adams JH, Graham DI, Murray LS, Scott G: Diffuse axonal injury due to nonmissile head injury in humans: an analysis of 45 cases. Ann Neurol 12:557–563, 1982	439
90a.	Bracken MB, Shepard MJ, Holford TR, Leo-Summers L, Aldrich EF, Fazl M, Fehlings M, Herr DL, Hitchon PW, Marshall LF, Nockels RP, Pascale V, Perot PL Jr, Piepmeier J, Sonntag VKH, Wagner F, Wilberger JE, Winn HR, Young W: Administration of methylprednisolone for 24 or 48 hours or tirilazad mesylate for 48 hours in the treatment of acute spinal cord injury. Results of the Third National Acute Spinal Cord Injury Randomized Controlled Trial. National Acute Spinal Cord Injury Study. JAMA 277:1597–1604, 1997	437
90b.	Gaspar L, Scott C, Rotman M, Asbell S, Phillips T, Wasserman T, McKenna WG, Byhardt R: Recursive partitioning analysis (RPA) of prognostic factors in three Radiation Therapy Oncology Group (RTOG) brain metastases trials. Int J Radiat Oncol Biol Phys 37:745–751, 1997	437

(continued)

TABLE 2: Articles with more than 400 citations, ranked in order of citations received (*continued*)

Rank	Article	No. of Times Cited
92.	Rosner MJ, Rosner SD, Johnson AH: Cerebral perfusion pressure: management protocol and clinical results. J Neurosurg 83: 949–962, 1995	435
93.	Muizelaar JP, Marmarou A, Ward JD, Kontos HA, Choi SC, Becker DP, Gruemer H, Young HF: Adverse effects of prolonged hyperventilation in patients with severe head injury: a randomized clinical trial. J Neurosurg 75:731–739, 1991	433
94.	Pickard JD, Murray GD, Illingworth R, Shaw MD, Teasdale GM, Foy PM, Humphrey PR, Lang DA, Nelson R, Richards P, Sinar J, Bailey S, Skene A: Effect of oral nimodipine on cerebral infarction and outcome after subarachnoid haemorrhage: British aneurysm nimodipine trial. BMJ 298:636–642, 1989	426
95a.	del Zoppo GJ, Higashida RT, Furlan AJ, Pessin MS, Rowley HA, Gent M: PROACT: a phase II randomized trial of recombinant pro-urokinase by direct arterial delivery in acute middle cerebral artery stroke. PROACT Investigators. Polyse in Acute Cerebral Thromboembolism. Stroke 29:4–11, 1998	424
95b.	Miller JD, Becker DP, Ward JD, Sullivan HG, Adams WE, Rosner MJ: Significance of intracranial hypertension in severe head injury. J Neurosurg 47:503–516, 1977	424
97a.	Baron MS, Vitek JL, Bakay RA, Green J, Kaneoke Y, Hashimoto T, Turner RS, Woodard JL, Cole SA, McDonald WM, De-long MR: Treatment of advanced Parkinson's disease by posterior GPi pallidotomy: 1-year results of a pilot study. Ann Neurol 40:355–366, 1996	420
97b.	Hylek EM, Singer DE: Risk factors for intracranial hemorrhage in outpatients taking warfarin. Ann Intern Med 120:897–902, 1994	420
99.	Lozano AM, Lang AE, Galvez-Jimenez N, Miyasaki J, Duff J, Hutchinson WD, Dostrovsky JO: Effect of GPi pallidotomy on motor function in Parkinson's disease. Lancet 346:1383–1387, 1995	418
100.	West J, Fitzpatrick JM, Wang MY, Dawant BM, Maurer CR Jr, Kessler RM, Maciunas RJ, Barillot C, Lemoine D, Collignon A, Maes F, Suetens P, Vandermeulen D, van den Elsen PA, Napel S, Sumanaweera TS, Harkness B, Hemler PF, Hill DL, Hawkes DJ, Studholme C, Maintz JBA, Viergever MA, Malandain G, Pennec X, Noz ME, Maguire GQ, Pollack M, Pelizzari CA, Robb RA, Hanson D, Woods RP: Comparison and evaluation of retrospective intermodality brain image registration techniques. J Comput Assist Tomogr 21:554–566, 1997	416
101.	Walker MD, Strike TA, Sheline GE: An analysis of dose-effect relationship in the radiotherapy of malignant gliomas. Int J Radiat Oncol Biol Phys 5:1725–1731, 1979	415
102.	Drake CG: Report of World Federation of Neurological Surgeons committee on a universal subarachnoid hemorrhage grading scale. J Neurosurg 68:985–986, 1988	410
103.	Backlund EO, Granberg PO, Hamberger B, Knutsson E, Mårtensson A, Sedvall G, Seiger A, Olson L: Transplantation of adrenal medullary tissue to striatum in parkinsonism. First clinical trials. J Neurosurg 62:169–173, 1985	406
104.	Rappaport M, Hall KM, Hopkins K, Belleza T, Cope DN: Disability rating scale for severe head trauma: coma to community. Arch Phys Med Rehabil 63:118–123, 1982	404
105.	Baron JC, Bousser MG, Rey A, Guillard A, Comar D, Castaigne P: Reversal of focal "misery-perfusion syndrome" by extra-intracranial arterial bypass in hemodynamic cerebral ischemia. A case study with 15O positron emission tomography. Stroke 12:454–459, 1981	403
106.	Racine R: Kindling: the first decade. Neurosurgery 3:234–252, 1978	402