References:

- 1. Aaslid R: Transcranial Doppler assessment of cerebral vasospasm. Eur J Ultrasound 16:3, 2002
- 2. Ackerstaff RG, Moons KG, Van de Lasakker CJ et al: Association of intraoperative transcranial Doppler monitoring variables with stroke from carotid endarterectomy. Stroke 31:1817, 2000
- 3. Ahmed N, Nasman P, Wahlgren NG: Effect of intravenous nimodipine on blood pressure and outcome after acute stroke. Stroke 31:1250, 2000
- 4. Aitkenhead AR and Smith J: Text book of Anesthesia, second edition. Churchill Livingstone, New York, pp. 77-109, 1994
- 5. Albin MS (eds): Text book of Neuroanesthesia: with Neurosurgical and Neuroscience perspective, p 846. New York, Mc Graw-Hill, 1997
- 6. Arrowsmith JE et al: Neuroprotection of the brain during cardiopulmonary bypass. Stroke 29:2357, 1998
- 7. Artru AA: Cerebrospinal fluid. In Cottrell JE, Smith DS (eds): Anesthesia and Neurosurgery, 4th ed., p 83. St. Louis, Mosby Inc., 2001
- 8. Artru AA: Cerebrospinal fluid dynamics. In Cucchiara RF, Michenfelder JD (eds): Clinical Neuroanesthesia, p 41. New York, Churchill Livingstone, 1990
- 9. Banoub M, Tetzlaff JE, Schubert A: Pharmacology and physiologic influences affecting sensory evoked potentials. Anesthesiology 99:716, 2003
- 10. Barker FG, Ogilvy CS: Efficacy of prophylactic nimodipine for delayed ischemic deficit after subarachnoid hemorrhage: A meta-analysis. J Neurosurg 84:405, 1996
- 11. Bath PM, Iddenden R, Bath FJ et al: The Tirilazad International Steering Committee. Tirilazad for acute ischaemic stroke. Cochrane Database Syst Rev (4):CD002087, 2001
- 12. Baughman VL: N₂O: Of questionable value. J Neurosurg Anesth 7: 1995.

- 13. Bayona NA, Gelb AW, Jiang Z et al: Propofol neuroprotection in cerebral ischemia and its effects on low-molecular-weight antioxidants and skilled motor tasks. Anesthesiology 100(5):1151, 2004
- 14. Bederson JB, Awad IA, Wiebers DO et al: Recommendations for the management of patients with unruptured intracranial aneurysms, from the Stroke Council of the AHA. Circulation 102:2300, 2000
- 15. Bedforth NM, Girling KJ, Skinner HJ et al: Effects of desflurane on cerebral autoregulation. Br J Anaesth 87:193, 2001
- 16. Bendo AA: Supratentorial tumors: Anesthetized, awake and computer-assisted management. In Schwartz AJ, et al (eds): ASA Refresher Courses in Anesthesiology, vol. 33, Lippincott Williams & Wilkins, Philadelphia, 2005
- 17. Bendo AA, Kass IS, Hartung J et al: Anesthesia for neurosurgery. In Barash PG, Cullen BF, Stoelting RK (eds): Clinical Anesthesia, 4th ed, p 743. Lippincott Williams & Wilkins, Philadelphia, 2001
- 18. Black S, Ockert DB, Oliver WC et al: Outcome following posterior fossa craniectomy in patients in the sitting or horizontal positions. Anesthesiology 69:49, 1988
- 19. Bormann J: Electrophysiology of GABA_A and GABA_B receptor subtypes. TINS 11:112, 1988
- 20. Bruder N, Ravassin P: Recovery from anesthesia and postoperative extubation of neurosurgical patients: A review. J Neurosurg Anesthesiol 11:282, 1999
- 21. Bullock RM, Chesnut RM, Clifton GL et al: Part 1: Guidelines for the management of severe traumatic brain injury. J Neurotrauma 17:451, 2000
- 22. Bunegin L, Albin MS, Helsel PE, et al: Positioning the right atrial catheter: A model for reappraisal. Anesthesiology 55:343, 1981
- 23. Castagnini HE, van Eijs F, Salevsky FC et al: Sevoflurane for interventional neuroradiology procedures is associated with more rapid early recovery than propofol. Can J Anesth 51:486, 2004

- 24. Cenic A, Craen RA, Lee T-Y et al: Cerebral blood volume and blood flow responses to hyperventilation in brain tumors during isoflurane or propofol anesthesia. Anesth Analg 94:661, 2002
- 25. Chesnut RM, Marshall LF, Klauber MR et al: The role of secondary brain injury in determining outcome from severe head injury. J Trauma 34:216, 1993
- 26. Ciric I, Ragin A, Baumgartner C et al: Complications of transsphenoidal surgery: Results of a national survey, review of the literature, and personal experience. Neurosurgery 40:225, 1997
- 27. Clark DD, Sokoloff L: Circulation and energy metabolism of the brain. In Siegel G, Agranoff B, Albers RW et al (eds): Basic Neurochemistry, p 645. New York, Raven Press, 1994
- 28. Clifton GL, Miller ER, Choi SC et al: Lack of effect of induction of hypothermia after acute brain injury. N Eng J Med 344(8):556, 2001
- 29. Coles JP, Minhas PS, Fryer TD et al: Effect of hyperventilation on cerebral blood flow in traumatic head injury: Clinical relevance and monitoring correlates. Crit Care Med 30:1950, 2002
- 30. Cottrel JE: Brain protection in neurosurgery. American Society of Anesthesiology refresher course lecture. Lecture no. 153, 1997
- 31. Cottrell JE: Brain protection for neurosurgery. In Annual Refresher Course Lectures, Am Soc Anesthesiologists, 2004.
- 32. Cottrell JE, Hartung J: Cool it on cooling—At least during aneurysm surgery. J Neurosurg Anesthesiol 16(2):113, 2004
- 33. Cottrell JE, Smith DS: Anesthesia and Neurosurgery P.95 St Louis, CV Mosby, 1994
- 34. Crosby ET, Lui A: The adult cervical spine: Implications for airway management. Can J Anaesth 37:77, 1990
- 35. Cruz J, Minoja G, Okuchi K et al: Successful use of the new high-dose mannitol treatment in patients with Glasgow Coma Scale scores of 3 and bilateral abnormal pupillary widening: a randomized trial. J Neurosurg 100:376, 2004

- 36. Cucchiara RF, Nugent M, Seward JB, et al: Air embolism in upright neurosurgical patients: Detection and localization by two-dimensional transesophageal echocardiography. Anesthesiology 60:353, 1984
- 37. Daniel GN, Richard AF, Capter PL and Robert FS: Multiple intracranial aneurysm: determine site of rupture. J Neurosurg; 63:342-348, 1985
- 38. Davis DW, Mans AM, Biebuyck JF et al: The influence of ketamine on regional brain glucose use. Anesthesiology 69:199, 1988
- 39. De Dyne C, Joly LM, Ravussin P: Newer inhalation anesthetics and neuro-anesthesia: What is the place for sevoflurane or desflurane. Ann Fr Anesth Reanim 23:367, 2004
- 40. Dodson BA: Interventional neuroradiology and the anesthetic management of patients with arteriovenous malformations. In Cottrell JE, David DS (eds): Anesthesia and Neurosurgery, 4th ed, p 399. St. Louis, Mosby, Inc., 2001
- 41. Drake CG, Hunt WE, Sank K et al: Report of World Federation of Neurological Surgeons Committee on universal subarachnoid hemorrhage grading scale. J Neurosurg 68:985, 1988
- 42. Drummond JC: The lower limit of autoregulation: Time to revise our thinking [letter]? Anesthesiology 86:1431-1433, 1997
- 43. Drummond JC, Patel PM, Cole DJ et al: The effect of the reduction of colloid oncotic pressure, with and without reduction of osmolality, on post-traumatic cerebral edema. Anesthesiology 88:993, 1998
- 44. Drummond JC, Prutow RJ, Scheller MS: A comparison of the sensitivity of pulmonary artery pressure, end-tidal carbon dioxide, and end-tidal nitrogen in the detection of venous air embolism in the dog. Anesth Analg 64:688, 1985
- 45. Dunham Cm, Sosnowski C, Porter JM, et al: Correlation of noninvasive cerebral oximetery with cerebral perfusion in the sever head injured patient: A pilot study. J Truman 52:40, 2002
- 46. Ehrenreich H, Hasselblatt M, Dembowski C et al: Erythropoietin therapy for acute stroke is both safe and beneficial. Molecular Medicine 8(8):495, 2002

- 47. Elsersy H, Sheng H, Lynch JR et al: Effects of isoflurane versus fentanyl-nitrous oxide anesthesia on long-term outcome from severe forebrain ischemia in the rat. Anesthesiology 100(5):1160, 2004
- 48. Eskensen V, Rosenorn J, Schmidt K, Esperson Jo, Hassa J, Harmsen A, Heino, Knuesen V, Marcussen E, Midhams, Rasmussen A, Ronde F, Voldby and Hansen L: Clinical feature and outcome in 48 patients with unruptured intracranial saccular aneurysms. A prospective consecutive study. British J Neurosurg; 1:47-52, 1987
- 49. Fleischer JE, Milde JH, Moyer TP et al: Cerebral effects of high-dose midazolam and subsequent reversal with RO-1788 in dogs. Anesthesiology 68:234, 1988
- 50. Fragen KJ, Shanks CA, Molteni A et al: Effects of etomidate on hormonal responses to surgical stress. Anesthesiology 61:652, 1984
- 51. Frost EAM: Anesthesia For Neurosurgical Truma. ASA. Refreher course lectures, pp. 43-54, 1991
- 52. Geissier HJ, Allen SJ, Mehlhorn U, et al: Effect of body repositioning after venous air embolism. Anesthesiology 86:710, 1997
- 53. Gopinath SP, Robertson CS: Management of severe head injury. In Cottrell JE, Smith DS (eds): Anesthesia and Neurosurgery, p 661. St. Louis, CV Mosby, 1994
- 54. Gordan E: A Basis and practice of Neuroanesthesia, 2nd ed, pp 3-49. Amsterdam, Elsevier, 1981
- 55. Greenfield JC, Rembert JC, Tindall GT: Transient changes in cerebral vascular resistance during the Valsalva maneuver in man. Stroke 15:76-79,1984
- 56. Greenfield JC, Rembert JC, Tindall GT: Transient changes in cerebral vascular resistance during the Valsalva maneuver in man. Stroke 15:76, 1984
- 57. Hacker RJ, Krall IM, Fox JL: Intracranial aneurysms, New York, Springer Verlag, vol. I, pp. 19-117, 1983

- 58. Haley EC, Kassell NF, Apperson-Hansen et al: A randomized double-blind, vehicle-controlled trial of tirilazad mesylate in patients with aneurysmal subarachnoid hemorrhage: a cooperative study in North America. J Neurosurg 86:467, 1997 59. Hanel F, Werner C, von Knobelsdorff G et al: The effects of fentanyl and sufentanil on cerebral hemodynamics. J Neurosurg Anesthesiol 9:223, 1997
- 60. Hansen AJ: Effect of anoxia on ion distribution in the brain. Physiol Rev 65:101, 1985
- 61. Hara H, Zhang Q-J, Kuroyanagi T, Kobayashi S: Parasympathetic cerebravascular innervation: An anterograde tracing from the sphenopalatine ganglion in the rat. Neurosurgery 32:822-827, 1993
- 62. Hartung J, Cottrell JE: In reply to: Effects of hypothermia on cerebral metabolic rate for oxygen. J Neurosurg Anesth 6:222, 1994
- 63. Hartung J, Cottrell JE: Letters to the editor: Tirilazad and subarachnoid hemorrhage. J Neurosurg 92:508, 2000
- 64. Hartung J, Cottrel JE: Neurophysiology and Neuroanesthesia in clinical anesthesia by Barash PG, Cullen BE and Stoelting RR. Lippincott company. 3rd edition pp. 871-917, 1996
- 65. Hashimoto T, Gupta DK, Young WL: Interventional neuroradiology-anesthetic considerations. Anesthesiology Clin N Am 20:347, 2002
- 66. Hastings RH, Marks JD: Airway management for trauma patients with potential cervical spine injuries. Anesth Analg 73:471, 1991
- 67. Hickey R: Neurosurgical emergencies. ASA refresher curse lectures pp. 98-109
- 68. Hoffman JR, Mower WR, Wolfson AB et al: Validity of a set of clinical criteria to rule out injury to the cervical spine in patients with blunt trauma. N Engl J Med 343(2):94, 2000
- 69. Holmstrom A, Akeson J. Desflurane increases intracranial pressure more and sevoflurane less than isoflurane in pigs subjected to intracranial hypertension. J Neurosurg Anesthesiol 16:136, 2004

- 70. Horn J, de Haan RJ, Vermeulen M et al: Very early nimodipine use in stroke (VENUS): A randomized, double-blind, placebo-controlled trial. Stroke 32:461, 2001
- 71. Hunt WE, Hess RM: Surgical risk as related to time of intervention in the repair of intracranial aneurysms. J Neurosurg 28:14, 1968
- 72. Imberti R, Bellinzona G, Langer M: Cerebral tissue PO2 and SJV O2 changes during moderate hyperventilation in patients with sever traumatic brain injury. J Neurosurg 96:97, 2002
- 73. Jaaskelainen SK, Kaisti K, Suni L et al: Sevoflurane is epileptogenic in healthy subjects at surgical levels of anesthesia. Neurology 61:1073, 2003
- 74. Jevtovic-Todorovic V, Todorovic SM, Mennerick S et al: Nitrous oxide (laughing gas) is an NMDA antagonist, neuroprotectant and neurotoxin. Nature Med 4:460, 1998
- 75. Jevtovic-Todorovic V, Wozniak DF, Benshoff ND: A comparative evaluation of the neurotoxic properties of ketamine and nitrous oxide. Brain Res 859(1-2):264, 2001
- 76. Jung R, Free K, Shah N et al: Cerebrospinal fluid pressure in anesthetized patients with brain tumors: Impact of fentanyl vs alfentanil. J Neurosurg Anesth 1:136, 1989
- 77. Kadoi Y, Saito S, Kunimoto F et al: Comparative effects of propofol versus fentanyl on cerebral oxygenation state during normothermic cardiopulmonary bypass and postoperative cognitive dysfunction. Ann Thorac Surg 75:840, 2003
- 78. Kaieda R, Todd MM, Cook LN et al: Acute effects of changing plasma osmolality and colloid oncotic pressure on the formation of brain edema after cryogenic injury. Neurosurgery 24:671, 1989
- 79. Kaisti KK, Langsjo JW, Aalto S et al: Effects of sevoflurane, propofol and adjunct nitrous oxide on regional cerebral blood flow, oxygen consumption and blood volume in humans. Anesthesiology 99:603, 2003
- 80. Kaplan SG, Guzzi LM, Reid R, Grand CM: Anesthetic issues during diagnostic and in hospital transport of trauma patient. Problems in anesthesia; 8(3): 518-545, 1994

- 81. 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. J Neurosurg 84:221, 1996
- 82. Kassell NF, Torner JC: Aneurysmal rebleeding: A preliminary report from the Cooperative Aneurysm Study. J Neurosurg 13:479, 1983
- 83. Kassell NF, Torner JC, Haley EC et al: The International Cooperative Study on the Timing of Aneurysm Surgery. Part I: Overall management results. J Neurosurg 73:18, 1990
- 84. Kassell NF, Torner JC, Jane JA et al: The International Cooperative Study on the Timing of Aneurysm Surgery. Part II: Surgical results. J Neurosurg 73:37, 1990
- 85. Kaufmann AM, Cardoso ER: Aggravation of vasogenic cerebral edema by multiple-dose mannitol. J Neurosurg 77:584, 1992
- 86. Kaye A, Kucera IJ, Heavner J et al: The comparative effects of desflurane and isoflurane on lumbar cerebrospinal fluid pressure in patients undergoing craniotomy for supratentorial tumors. Anesth Analg 98:1127, 2004
- 87. Kwapisz MM, Deinsberger W, Müller M et al: Transesophageal echocardiography as a guide for patient positioning before neurosurgical procedures in semi-sitting position. J Neurosurg Anesthesiol 16:277, 2004
- 88. Lanier WL, Iaizzo PA, Milde JH. Cerebral function and muscle afferent activity following IV succinylcholine in dogs anesthetized with halothane: The effects of pretreatment with defasciculating doses of pancuronium. Anesthesiology 71:87, 1989
- 89. Lanier WL, Weglinski MR: Intracranial pressure in Cucchiara RF, Michenfelder JD (eds): Clinical Neuroanesthesia. Churchill Livingstone, New York, pp 77-105, 1989
- 90. Lanzino G, Kassell NF, Dorsch NW et al: Double-blind randomized, vehicle-controlled study of high-dose tirilazad mesylate in women with aneurysmal subarachnoid hemorrhage. Part II. A comparative study in North America. J Neurosug 90:1018, 1999

- 91. Lei B, Popp S, Capuano-Waters C et al: Effects of delayed administration of low-dose lidocaine on transient focal cerebral ischemia in rats. ASA 97:1534, 2002
- 92. Lei B, Popp S, Capuano-Waters C et al: Effects of low-dose lidocaine on cytochrome C release and caspase-3 activation after transient focal cerebral ischemia in rats. ASA 2002 Meeting Abstract A-800.
- 93. Losasso TJ, Black S, Muzzi DA et al: Detection and hemodynamic consequences of venous air embolism. Does nitrous oxide make a difference? Anesthesiology 77:148, 1992
- 94. Lotto ML, Banoub M, Schubert A: Effects of anesthetic agents and physiologic changes on intraoperative motor evoked potentials. J Neurosurg Anesthesiol 16:32, 2004
- 95. Lutz LJ, Milde JH, Milde LN: Cerebral effects of alfentanil in dogs with reduced intracranial compliance. J Neurosurg Anesth 1:169, 1989
- 96. Mack PF, Perrine K, Kobylarz E et al: Dexmedetomidine and neurocognitive testing in awake craniotomy. J Neurosurg Anesth 16:20, 2004
- 97. Manninen PH, Tan TK: Postoperative nausea and vomiting after craniotomy for tumor surgery: A comparison between awake craniotomy and general anesthesia. J Clin Anesth 14:279, 2002
- 98. Margaret DH, Peter CG and VictorLM: SAH in childhood and adolescence. J Neurosurg; 60:1163-1166, 1985
- 99. Marshall LF: High-dose mannitol. J Neurosurg 100:367, 2004
- 100. Martin NA, Patwardhan RV, Alexander MJ et al: Characterization of cerebral hemodynamic phases following severe head trauma: Hypoperfusion, hyperemia, and vasospasm. J Neurosurgery 87:9, 1997
- 101. Matjasko MJ: Multisystem sequelae of severe head injury. In Cottrell JE, Smith DS (eds): Anesthesia and Neurosurgery, 4th ed, p 693. St. Louis, Mosby, Inc., 2001
- 102. Maze M, Scarfini C, Cavaliere F: New agents for sedation in the intensive care unit. Crit Care Clin 7:88, 2001

- 103. McDermott AB, Dale N: Receptors, ion channels and synaptic potentials underlying the integrative actions of excitatory amino acids. TINS 10:280, 1987
- 104. Meldrum B: Epileptic seizures. In Siegel G, Agranoff RW, Albers BW et al (eds): Basic Neurochemistry, p 885. New York, Raven Press, 1994
- 105. Michenfelder JD: Anesthesia and the Brain, p 23. New York, Churchill Livingstone, 1988
- 106. Michenfelder JD: The interdependency of cerebral function and metabolic effects following massive doses of thiopental in the dog. Anesthesiology 41:231, 1974
- 107. Michenfelder JD, Cucchiara RF: Canine cerebral oxygen consumption during enflurane anesthesia and its modification during induced seizures. Anesthesiology 40:575, 1974
- 108. Miller JD: Assessing patients with head injury. Br J Surg 77:241, 1990
- 109. Miller JD, Garibi J, Pickard JD: The effects of induced changes of cerebrospinal fluid volume during continuous monitoring of ventricular pressure. Arch Neurol 28:265, 1973 99.
- 110. Miller JD, Leech P: Effects of mannitol and steroid therapy on intracranial volume-pressure relationships in patients. J Neurosurg 42:274, 1975
- 111. Miller JD, Sakalas R, Ward JD, et al: Methylprednisolone treatment in patients with brain tumors. Neurosurgery 1:114, 1977
- 112. Molyneux A: International Subarachnoid Aneurysm Trial (ISAT) of neurosurgical clipping versus endovascular coiling in 2143 patients with ruptured intracranial aneurysms: A randomized trial. Lancet 360(9342):1267, 2002
- 113. Morgan GE Jr and Mikhail: Clinical anesthesiology, 2nd edition. Appleton and Lange, Stamford, Connecticut 477:504, 1996
- 114. Munts AG, Mess WH, Bruggemans EF et al: Feasibility and reliability of on-line automated microemboli detection after carotid endarterctomy: Transcranial Doppler study. Eur J vasc Endovasc surg 25:262., 2003

- 115. Myles PS, Leslie K, McNeil J et al: Bispectral index monitoring to prevent awareness during anesthesia: the B-Aware randomized controlled trial. Lancet 363:1757, 2004
- 116. Nehls GD, Richard AF, C apter PL and Spetzier RP: Multiple intracranial aneurysms: Determining the site of rupture. J Neurosurg; 63:342-348, 1985
- 117. Nichols DA, Brown RD Jr, Meyer FB: Coils or clips in subarachnoid hemorrhage? Lancet 360(9342):1262, 2002
- 118. Nishiyama T, Matsukawa T, Hanaoka K: A comparison of the clinical usefulness of three different electroencephalogram monitors. Bispectral index, processed electroencephalogram, and alaris auditory evoked potentials. Anesth Analg 98:341, 2004
- 119. Obrist WD, Langfitt TW, Jaggi JL et al: Cerebral blood flow and metabolism in comatose patients with acute head injury. Relationship to intracranial hypertension. J Neurosurg 61(2):241, 1984
- 120. Olsen KS, Svendsen LB, Larsen ES: Validation of transcranial near-infrared spectroscopy for evaluation of cerebral blood flow autoregulation. J Neurosurg Anesthesiol 8:280-285, 1996
- 121. Omae T, Ibayashi S, Kusda K, et al: Effects of high atmospheric pressure and oxygen on middle cerebral blood flow velocity in humans measured by transcranial Doppler. Stroke 29:94-97, 1998
- 122. Ostapkovich ND, Baker KZ, Fogarty-Mack P et al: Cerebral blood flow and CO_2 reactivity is similar during remifentanil/ N_2O and fentanyl/ N_2O anesthesia. Anesthesiology 89:358, 1998
- 123. Patterson SK, Chesney JT: Anesthetic management for magnetic resonance imaging: Problems and solutions. Anesth Analg 74:121, 1992
- 124. Pellegrino DA, Miletich DJ, Hoffman WE et al: Nitrous oxide markedly increases cerebral cortical metabolic rate and blood flow in the goat. Anesthesiology 60:405, 1984

- 125. Petersen KD, Landsfeldt U, Cold GE et al: Intracranial pressure and cerebral hemodynamic in patients with cerebral tumors: a randomized prospective study of patients subjected to craniotomy in propofol-fentanyl, isoflurane-fentanyl or sevoflurane-fentanyl anesthesia. Anesthesiology 98:329, 2003
- 126. PfitznerJ, McLean AG: Controlled neck compression in neurosurgery. Anesthesia 40:624, 1985
- 127. Picker: The initial assessment and management of sever head injury. Problems in critical care; 5:220-223, 1991
- 128. Pinaud M, Lelausque J-N, Chetanneau A et al: Effects of propofol on cerebral hemodynamics and metabolism in patients with brain trauma. Anesthesiology 73:404, 1990
- 129. Porter JM, Pidgeon C, Cunningham AJ: The sitting position in neurosurgery: A critical appraisal. Br J Anaesth 82:117, 1999
- 130. Poulson OB, Olsen J, Christensen MS: Restoration of autoregulation of cerebral blood flow by hypocapnia. Neurology; 22:286-293, 1986
- 131. Prielipp RC, Wall MH, Tobin JR et al: Dexmedetomidine-induced sedation in volunteers decreases regional and global cerebral blood flow. Anesth Analg 95:1052, 2002
- 132. Prough DS, Whitley JM, Taylor CL et al: Regional cerebral blood flow following resuscitation from hemorrhagic shock with hypertonic saline. Anesthesiology 75:319, 1991
- 133. Qureshi AI, Suarez JI: Use of hypertonic saline solutions in treatment of cerebral edema and intracranial hypertension. Crit Care Med 28:3301, 2000
- 134. Rampil IJ: A primer for EEG signal processing in anesthesia. Anesthesiology 89:980, 1998
- 135. Rajshekhar V, Harbaugh RE: Results of routine ventriculostomy with external ventricular drainage for acute hydrocephalus following subarachnoid hemorrhage. Acta Neurochir (Wien) 115:8, 1992
- 136. Rehberg B, Steven E: Central nervous system. sodium channels are significantly......Anesthesiology, 84:1223, 1996

- 137. Rudehill A, GordanE, Ohman G, et al: Pharmacokinetic and effect of mannitol on hemodynamics, blood and cerebrospinal fluid electrolytes and osmolality during intracranial surgery. J Neurosurg Anesthiol 5:4, 1993
- 138. Sakabe T, Nakakimura K: Effects of anesthetic agents and other drugs on cerebral blood flow, metabolism and intracranial pressure. In Cottrell JE, Smith DS (eds): Anesthesia and Neurosurgery, p 129. St. Louis, Mosby, 2001
- 139. Sarang A, Dinsmore J: Anesthesia for awake craniotomy—Evolution of a technique that facilitates awake neurological testing. Br J Anaesth 90:161, 2003
- 140. Samra SK, Dy EA, Welch K, et al: Evaluation of cerebral oximeter as a monitor of cerebral ischemia during carotid endarterectomy. Anesthesiology 93:964, 2000
- 141. Saver JL, Kidwell C, Eckstein M et al: Prehospital neuroprotective therapy for acute stroke: Results of the field administration of stroke therapy-magnesium (FAST-MAG) Pilot Trial. Stroke 2004 (March 11) epub ahead of print DOI: 10.1161/01. STR. 0000124458.98123.52
- 142. Schievink WI: Intracranial aneurysms. N Engl J Med 336(1):28, 1997
- 143. Schubert A, Drummond JC, Peterson DO, et al: A comparison of CO2 and bolus saline injection as tests of adequate Doppler placement in neurosurgery. Anesth Analg 65:S135, 1986
- 144. Sen J, Belli A, Alban H et al: Triple-H therapy in the management of aneurysmal subarachnoid hemorrhage. Lancet Neurol 2(10):614, 2003
- 145. Shellock FG, Crues JV: MR procedures: Biologic effects, safety, and patient care. Radiology 232:635, 2004
- 146. Siesjo BK: Cell damage in the brain: A speculative synthesis. J Cereb Blood Flow Metab 1:155, 1981
- 147. Siesjo BK: Cerebral circulation and metabolism. J Neurosurg 60:883, 1984
- 148. Smith AL, Wollman H: Cerebral blood flow and metabolism: Effects of anesthetic drugs and techniques. Anesthesiology 36:378, 1972

- 149. Smyth PR, Samra SK: Monitors of cerebral oxygenation. Anesthesiol clin North Am 20:293, 2002
- 150. Snell RS: Clinical anatomy for medical students. Anatomy of the brain and its blood supply. Little- Brown Company 6th edition, 819-825, 2000
- 151. Stenzel-Poore MP, Stevens SL, Ziong Z et al: Effect of ischaemic preconditioning on genomic response to cerebral ischemia: Similarity to neuroprotective strategies in hibernation and hypoxia-tolerant states. Lancet 362(9389):1007, 2003
- 152. Stockard JJ, Bickford RG: The neurophysiology of anesthesia. In Gordon E (ed): A Basis and Practice of Neuroanesthesia, 2nd ed, p 3. Amsterdam, Elsevier, 1981.
- 153. Taylor CL, Dutton K, Rappard G et al: Complications of preoperative embolization of cerebral arteriovenous malformations. J Neurosurg 100:810, 2004
- 154. Todd M, Hindman B, Clark W et al: Intraoperative Hypothermia for Intracranial aneurysm surgery (IHAST): Initial Results. Presented at the 29th International Stroke Conference, San Diego, CA, February 7, 2004
- 155. Todd MM, Hindman BJ, Clark WR et al: Mild inoperative hypothermia during surgery for intracranial aneurysm. N Engl J Med 352(2):135, 2005
- 156. Treggiari MM, Walder B, Suter PM et al: Systematic review of the prevention of delayed ischemic neurologic deficits with hypertension, hypervolemia, and hemodilution therapy following subarachnoid hemorrhage. J Neurosurg 98(5):978, 2003
- 157. Vakkuri A, Yli-Hankala A, Talja P et al: Time-frequency balanced spectral entropy as a measure of anesthetic drug effect in central nervous system during sevoflurane, propofol, and thiopental anesthesia. Acta Anaesthesiol Scand 48:145, 2004
- 158. Vialet R, Albanese J, Thomachot L et al: Isovolume hypertonic solutes (sodium chloride or mannitol) in the treatment of refractory posttraumatic intracranial hypertension: 2 ml/kg 7% saline is more effective than 2 ml/kg 20% mannitol. Crit Care Med 31:1683, 2003

- 159. Viviand X, Garnier F: Opioid anesthetics (sufentanil and remifentanil) in neuroanesthesia. Ann Fr Anesth Reanim 23:383, 2004
- 160. Wardlaw JM, White PM: The detection and management of unruptured intracranial aneurysms. Brain 123:205, 2000
- 161. West JW, Cooper ES, Mc Henry LD, et al: Cerebral autoregulation in man stroke; 5:695-706, 1984
- 162. White PF, Ma H, Tang J et al: Does the use of electroencephalographic bispectral index or auditory evoked potential index monitoring facilitate recovery after desflurane anesthesia in the ambulatory setting? Anesthesiology 100:811, 2004
- 163. William IM, Picton A, Farrell A, et al: Light-reflection cerebral oximetery and jugular bulb venous oxygen saturation during carotid endarterectomy. Br. J Surg 81:1291, 1994
- 164. Young WL, Kader A, Ornstein E et al: Cerebral hyperemia after arteriovenous malformation resection is related to "breakthrough" complications but not to feeding artery pressure. Neurosurgery 38:1085, 1996
- 165. Zornow MH, Todd MM, Moore SS: The acute cerebral effects of changes in plasma osmolality and oncotic pressure. Anesthesiology 67:936, 1987