

254 Head Trauma in Adults and Children



REFERENCES

- Centers for Disease Control and Prevention: Vital Statistics. Available at: <http://www.cdc.gov/nchs/vitalstats.htm>. Accessed December 22, 2008.
- Thurman D: The epidemiology and economics of head trauma, in Miller LP, Hayes RL (ed): *Head Trauma: Basic, Preclinical, and Clinical Directions*. New York, John Wiley & Sons, 2001.
- Langlois JA, Rutland-Brown W, Thomas KE: *Traumatic Brain Injury in the United States: Emergency Department Visits, Hospitalizations, and Deaths*. Atlanta, GA, Centers for Disease Control and Prevention, National Center for Injury Prevention and Control, 2006.
- Warden D: Military TBI during the Iraq and Afghanistan wars. *J Head Trauma Rehabil* 21(5): 398, 2006.
- Hovda DA: Oxidative need and oxidative capacity following traumatic brain injury. *Crit Care Med* 35(2): 663, 2007.
- Robertson CS: Management of cerebral perfusion pressure after traumatic brain injury. *Anesthesiology* 95(6): 1513, 2001.
- McIntosh TK, Smith DH, Meaney DF, et al: Neuropathological sequelae of traumatic brain injury: relationship to neurochemical and biomechanical mechanisms. *Lab Invest* 74(2): 315, 1996.
- Tavalin SJ, Ellis EF, Satin LS: Inhibition of the electrogenic Na pump underlies delayed depolarization of cortical neurons after mechanical injury or glutamate. *J Neurophysiol* 77(2): 632, 1997.
- Stout AK, Raphael HM, Kanterewicz BI, et al: Glutamate-induced neuron death requires mitochondrial calcium uptake. *Nat Neurosci* 1(5): 366, 1998.
- Marmarou A: A review of progress in understanding the pathophysiology and treatment of brain edema. *Neurosurg Focus* 22(5): E1, 2007.
- Lifshitz J, Sullivan PG, Hovda DA, et al: Mitochondrial damage and dysfunction in traumatic brain injury. *Mitochondrion* 4(5-6): 705, 2004.
- Cimatti M: Assessment of metabolic cerebral damage using proton magnetic resonance spectroscopy in mild traumatic brain injury. *J Neurosurg Sci* 50(4): 83, 2006.
- Lovell M, Collins M, Bradley J: Return to play following sports-related concussion. *Clin Sports Med* 23(3): 421, 2004.
- Rutgers DR, Toulgoat F, Cazejust J, et al: White matter abnormalities in mild traumatic brain injury: a diffusion tensor imaging study. *AJNR Am J Neuroradiol* 29(3): 514, 2008.
- Bazarian JJ, Zhong J, Blyth B, et al: Diffusion tensor imaging detects clinically important axonal damage after mild traumatic brain injury: a pilot study. *J Neurotrauma* 24(9): 1447, 2007.
- Bratton SL, Bullock M, Carney N, et al: Guidelines for the Acute Medical Management of Severe Traumatic Brain Injury. *J Neurotrauma* 24: S77, 2007.
- Chesnut RM, Marshall LF, Klauber MR, et al: The role of secondary brain injury in determining outcome from severe head injury. *J Trauma* 34(2): 216, 1993.
- Gioia GA, Collins M, Isquith PK: Improving identification and diagnosis of mild traumatic brain injury with evidence: psychometric support for the acute concussion evaluation. *J Head Trauma Rehabil* 23(4): 230, 2008.
- Robinson N, Clancy M: In patients with head injury undergoing rapid sequence intubation, does pretreatment with intravenous lignocaine/lidocaine lead to an improved neurological outcome? A review of the literature. *Emerg Med J* 18(6): 453, 2001.
- Vinclair M, Broux C, Faure P, et al: Duration of adrenal inhibition following a single dose of etomidate in critically ill patients. *Intensive Care Med* 34(4): 714, 2008.
- Tekwani KL, Watts HF, Rzechula KH, et al: A prospective observational study of the effect of etomidate on septic patient mortality and length of stay. *Acad Emerg Med* 16(1): 11, 2009.
- Guidelines for the management of severe traumatic brain injury. Brain Trauma Foundation; American Association of Neurological Surgeons; Congress of Neurological Surgeons. *J Neurotrauma* 24(suppl 1): S1, 2007.
- Marmarou A, Lu J, Butcher I, et al: Prognostic value of the Glasgow Coma Scale and pupil reactivity in traumatic brain injury assessed pre-hospital and on enrollment: an impact analysis. *J Neurotrauma* 24(2): 270, 2007.
- Healey C, Osler TM, Rogers FB, et al: Improving the Glasgow Coma Scale score: motor score alone is a better predictor. *J Trauma* 54(4): 671, 2003; discussion 678.
- Jagoda AS, Bazarian JJ, Bruns JJ, et al: Clinical policy: neuroimaging and decision-making in adult mild brain injury in the acute setting. *Ann Emerg Med* 52: 714, 2008.
- Haydel MJ, Preston CA, Mills TJ, et al: Indications for computed tomography in patients with minor head injury. *N Engl J Med* 343(2): 100, 2000.
- Stiell IG, Laupacis A, Wells GA: Indications for computed tomography after minor head injury: Canadian CT Head and Cervical-Spine Study Group. *N Engl J Med* 343(21): 1570, 2000.
- Stein SC, Fabbri A, Servadei F, Glick HA: A critical comparison of clinical decision instruments for computed tomographic scanning in mild closed traumatic brain injury in adolescents and adults. *Ann Emerg Med* 53(2): 180, 2009. Epub Mar 14, 2008.
- Smits M, Dippel DW, de Haan GG, et al: Minor head injury: guidelines for the use of CT—a multicenter validation study. *Radiology* 245(3): 831, 2007.
- Ibanez J, Arikian F, Pedraza S, et al: Reliability of clinical guidelines in the detection of patients at risk following mild head injury: results of a prospective study. *J Neurosurg* 100(5): 825, 2004.
- Fabbri A, Servadei F, Marchesini G, et al: Clinical performance of NICE recommendations versus NCWFNS proposal in patients with mild head injury. *J Neurotrauma* 22(12): 1419, 2005.
- Chen JK, Johnston KM, Frey S, et al: Functional abnormalities in symptomatic concussed athletes: an fMRI study. *Neuroimage* 22(1): 68, 2004.
- Guidelines for the Management of Severe Traumatic Brain Injury. *J Neurotrauma* 24(suppl 1): S1, 2007.
- Friedman JA, Ebersold MJ, Quast LM: Post-traumatic cerebrospinal fluid leakage. *World J Surg* 25(8): 1062, 2001.
- King WJ, MacKay M, Sirnack A; the Canadian Shaken Baby Study Group: Shaken baby syndrome in Canada: clinical characteristics and outcomes of hospital cases. *Can Med Assoc J* 168(2): 155, 2003.
- Centers for Disease Control and Prevention: Heads Up: Brain Injury in Your Practice: A Tool Kit for Physicians. N.C.f.I.P.A. Control and National Center for Injury Prevention and Control, Editors. Atlanta, GA, Center for Disease Control and Prevention, 2007.
- Cantu RC: Second-impact syndrome. *Clin Sports Med* 17(1): 37, 1998.
- Iverson GL, Gaetz M, Lovell MR, Collins MW: Cumulative effects of concussion in amateur athletes. *Brain Inj* 18(5): 433, 2004.
- Lovell M: The neurophysiology and assessment of sports-related head injuries. *Neurol Clin* 26(1): 45, 2008.
- Collins MW, Lovell MR, Iverson GL, et al: Cumulative effects of concussion in high school athletes. *Neurosurgery* 51(5): 1175, 2002; discussion 1180.
- Guskiewicz KM, Bruce SL, Cantu RC, et al: Research based recommendations on management of sport related concussion: summary of the National Athletic Trainers' Association position statement. *Br J Sports Med* 40(1): 6, 2006.
- Giza CC, Hovda DA: The neurometabolic cascade of concussion. *J Athl Train* 36(3): 228, 2001.
- Ingersoll CD: Long term effects of closed head injuries in sport. *Sports Med* 16(5): 342, 1993.
- de Kruijk JR, Leffers P, Menheere PP, et al: S-100B and neuron-specific enolase in serum of mild traumatic brain injury patients. A comparison with health controls. *Acta Neurologica Scandinavica* 103(3): 175, 2001.
- Herrmann M, Jost S, Kutz S, et al: Temporal profile of release of neurobiochemical markers of brain damage after traumatic brain injury is associated with intracranial pathology as demonstrated in cranial computerized tomography. *J Neurotrauma* 17(2): 113, 2000.
- Brooks J, Fos LA, Greve KW, Hammond JS: Assessment of executive function in patients with mild traumatic brain injury. *J Trauma* 46(1): 159, 1999.
- Mittenberg W, Tremont G, Zielinski RE, et al: Cognitive-behavioral prevention of postconcussion syndrome. *Arch Clin Neuropsychol* 11(2): 139, 1996.
- Barlow KM, Minns RA: Annual incidence of shaken impact syndrome in young children. *Lancet* 356: 1571, 2000.
- Reece RM, Sege R: Childhood head injuries: accidental or inflicted? *Arch Pediatr Adolesc Med* 154: 11, 2000.
- Nathens AB, Jurkovich GJ, Rivara FP, Maier RV: Effectiveness of state trauma systems in reducing injury related mortality: a national evaluation. *J Trauma* 48: 25, 2000.
- Duhaime A: Demographics of abusive head trauma. *J Neurosurg Pediatr* 1: 349, 2008.
- Kessler H, Dias MS, Shaffer M, et al: Demographics of abusive head trauma in the commonwealth of Pennsylvania. *J Neurosurg Pediatr* 1: 351, 2008.
- Keenan HT, Runyan KP, Marshall SW, et al: A population-based study of inflicted traumatic brain injury in young children. *JAMA* 290: 621, 2003.
- Schutzman SA, Barnes P, Duhaime A, et al: Evaluation and management of children younger than two years old with apparently minor head trauma: proposed guidelines. *Pediatrics* 107(5): 983, 2001.
- Feldman KW, Bethel R, Shugarman RP, et al: The cause of infant and toddler subdural hemorrhage: a prospective study. *Pediatrics* 108: 636, 2001.
- Looney CB, Smith KS, Merck LH, et al: Intracranial hemorrhage in asymptomatic neonates: prevalence on MR images and relationship to obstetric and neonatal risk factors. *Radiology* 242: 535, 2007.
- Piatt JH Jr: Detected and overlooked cervical spine injury in comatose victims of trauma: report from the Pennsylvania Trauma Outcomes Study. *J Neurosurg Spine* 5: 210, 2006.
- Schierhout G, Roberts I: Anti-epileptic drugs for preventing seizures following acute traumatic brain injury. *Cochrane Database Syst Rev* 2: CD000173, 2000.
- Karni A, Holtzman R, Bass T, et al: Traumatic head injury in the anticoagulated elderly patient: a lethal combination. *Am Surg* 67(11): 1098, 2001.
- Mina AA, Knipfer JF, Park DY, et al: Intracranial complications of preinjury anticoagulation in trauma patients with head injury. *J Trauma* 53(4): 668, 2002.
- Cohen DB, Rinker C, Wilberger JE: Traumatic brain injury in anticoagulated patients. *J Trauma* 60(3): 553, 2006.
- Reynolds FD, Dietz PA, Higgins D, Whitaker TS: Time to deterioration of the elderly, anticoagulated, minor head injury patient who presents without evidence of neurologic abnormality. *J Trauma* 54(3): 492, 2003.
- Erlanger DM, Kutner KC, Barth JT, Barnes R: Neuropsychology of sports-related head injury: dementia pugilistica to post concussion syndrome. *Clin Neuropsychol* 13(2): 193, 1999.
- Smits M, Dippel DW, de Haan GG, et al: Minor head injury: guidelines for the use of CT—a multicenter validation study. *Radiology* 245(3): 831, 2007.

USEFUL WEB RESOURCES

Brain Trauma Foundation—<http://www.braintrauma.org>

2 References

- Heads Up: Brain Injury in Your Practice—A Tool Kit for Physicians, Centers for Disease Control and Prevention, National Center for Injury Prevention and Control—http://www.cdc.gov/ncipc/tbi/Physicians_Tool_Kit.htm
- Acute Concussion Evaluation (ACE), Emergency Department (ED) Version v1.4—http://www.cdc.gov/ncipc/tbi/ACE_ED.pdf