- children and adults: implications for managing head injuries. BMJ 1990: 300: 363-367.
- 286. Teasdale TW, Engberg A. Duration of cognitive dysfunction after concussion, and cognitive dysfunction as a risk factor: a population study of young men. BMJ 1997; 315: 569-572.
- 287. Teasdale TW, Engberg AW. Disability pensions in relation to traumatic brain injury: a population study. Brain Inj 2000; 14: 363-
- 288. Tegner Y, Lorentzon R. Concussion among Swedish elite ice hockey players. Br J Sports Med 1996; 30: 251-255.
- 289. The Royal College of Radiologists. Costs and benefits of skull radiography for head injury. Lancet; 2: 791-795.
- 290. Thomas S, Acton C, Nixon J, Battistutta D, Pitt WR, Clark R. Effectiveness of bicycle helmets in preventing head injury in children: case-control study. BMJ 1994; 308: 173-176.
- 291. Thompson RS, Rivara FP, Thompson DC. A case-control study of the effectiveness of bicycle safety helmets. N Engl J Med 1989; 320: 1361-1367
- 292. Thornhill S, Teasdale GM, Murray GD, McEwen J, Roy CW, Penny KI. Disability in young people and adults one year after head injury: prospective cohort study. BMJ 2000; 320: 1631-1635.
- 293. Thurman D, Guerrero J. Trends in hospitalization associated with traumatic brain injury. JAMA 1999; 282: 954-957.
- 294. Thurman DJ, Jeppson L, Burnett CL, Beaudoin DE, Rheinberger MM, Sniezek JE. Surveillance of traumatic brain injuries in Utah. West J Med 1996; 165: 192-196.
- 295. Tiret L, Hausherr E, Thicoipe M, Garros B, Maurette P, Castel JP, et al. The epidemiology of head trauma in Aquitaine (France), 1986: a community-based study of hospital admissions and deaths. Int J Epidemiol 1990; 19: 133-140.
- 296. Tsai YJ, Wang JD, Huang WF. Case-control study of the effectiveness of different types of helmets for the prevention of head injuries among motorcycle riders in Taipei, Taiwan. Am J Epidemiol 1995; 142: 974-981.
- 297. Vázquez-Barquero A, Vázquez-Barquero JL, Austin O, Pascual J, Gaite L, Herrera S. The epidemiology of head injury in Cantabria. Eur J Epidemiol 1992; 8: 832-837.
- 298. Viola L, Zotta D, Martino V, Barbato R, Schisano G, Unterberc A, et al. Minor head injuries: one year experience according to the new Italian guideline. Acta Neurochir Wien 2000; 142: 1281-1285.
- 299. Voss M, Knottenbelt JD, Peden MM. Patients who reattend after head injury: a high risk group. BMJ 1995; 311: 1395-1398.
- 300. Wade DT, Crawford S, Wenden FJ, King NS, Moss NE. Does

- routine follow up after head injury help? A randomised controlled trial. J Neurol Neurosurg Psychiatry 1997; 62: 478-484.
- 301. Wade DT, King NS, Wenden FJ, Crawford S, Caldwell FE. Routine follow up after head injury: a second randomised controlled trial. J Neurol Neurosurg Psychiatry 1998; 65: 177-183.
- 302. Wang MY, Griffith P, Sterling J, McComb JG, Levy ML. A prospective population-based study of pediatric trauma patients with mild alterations in consciousness (Glasgow Coma Scale score of 13-14). Neurosurgery 2000; 46: 1093-1099.
- 303. Weiss BD. Trends in bicycle helmet use by children: 1985 to 1990. Pediatrics 1992; 89: 78-80.
- 304. Welch MJ, Sitler M, Kroeten H. Boxing injuries from an instructional program. Physician SportsMed 1986; 14: 81-89.
- 305. Whitman S, Coonley HR, Desai BT. Comparative head trauma experiences in two socioeconomically different Chicago-area communities: a population study. Am J Epidemiol 1984; 119: 570-580
- 306. Williams DH, Levin HS, Eisenberg HM. Mild head injury classification. Neurosurgery 1990; 27: 422-428.
- 307. Wilson JTL, Pettigrew LEL, Teasdale GM. Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. J Neurotrauma 1998; 15:
- 308. Wright JR, Jr, Hixson EG, Rand JJ. Injury patterns in nordic ski jumpers. A retrospective analysis of injuries occurring at the Intervale Ski Jump Complex from 1980 to 1985. Am J Sports Med 1986: 14: 393–397.
- 309. Wrightson P, McGinn V, Gronwall D. Mild head injury in preschool children: evidence that it can be associated with a persisting cognitive defect. J Neurol Neurosurg Psychiatry 1995; 59: 375-380.
- 310. Wrightson P, Gronwall D. Mild head injury in New Zealand: incidence of injury and persisting symptoms. N Z Med J 1998; 111: 99-101
- 311. Yorkston KM, Jaffe KM, Polissar NL, Liao S, Fay GC. Written language production and neuropsychological function in children with traumatic brain injury. Arch Phys Med Rehabil 1997; 78: 1096-1102.
- 312. Yorkston KM, Jaffe KM, Liao S, Polissar NL. Recovery of written language production in children with traumatic brain injury: outcomes at one year. Aphasiology 1999; 13: 691-700.
- 313. Zemper ED. Analysis of cerebral concussion frequency with the most commonly used models of football helmets. J Athl Training 1994; 29: 44-50.

APPENDIX B: SUPPLEMENTARY BIBLIOGRAPHY

REFERENCES

- 1. Google [cited 2003 July 6]. Available from: URL: http://www.
- 2. Guidelines for initial management after head injury in adults. Suggestions from a group of neurosurgeons. BMJ 1984; 288: 983-
- 3. Levin HS, Eisenberg HM, Benton AL, eds. Mild head injury. Oxford: Oxford University Press; 1989.
- 4. Proceedings: Mild Brain Injury in Sports Summit. 1994 April 16-18 Washington DC, Dallas: National Athletic Trainers' Association Research and Education Foundation; 1994.
- 5. Chalmers L, Altman DG, eds. Systematic reviews. London: BMJ Publishing; 1995.
- 6. SAS [computer program]. Version 6.12. Cary (NC): SAS Institute;
- 7. SPSS [computer program]. Version 10.0. Chicago: SPSS; 1999.
- 8. Stata 7 [computer program]. College Station (TX): Stata Corporation; 2002.
- 9. StatsDirect [computer program]. Version 1.9.15. Cheshire (UK): StatsDirect Limited; 2002.

- 10. Stata/SE [computer program]. Version 8. College Station (TX): Stata Corporation; 2003.
- 11. The Cochrane Library [CD-ROM] [computer program]. Oxford: Update Software: 2003.
- 12. Abd al-Hady MR, Shehata O, el-Mously M, Sallam FS. Audiological findings following head trauma. J Laryngol Otol 1990; 104:
- 13. Abenhaim L, Suissa S. Importance and economic burden of occupational back pain: a study of 2,500 cases representative of Quebec. J Occup Med 1987; 29: 670-674.
- 14. Abu-Judeh HH, Parker R, Singh M, el Zeftawy H, Atay S, Kumar M, et al. SPET brain perfusion imaging in mild traumatic brain injury without loss of consciousness and normal computed tomography. Nucl Med Commun 1999; 20: 505-510.
- 15. Adams J, Frumiento C, Shatney-Leach L, Vane DW. Mandatory admission after isolated mild closed head injury in children: is it necessary? J Pediatr Surg 2001; 36: 119-121.
- 16. Al-Salamah M, McDowell I, Stiell IG, Wells GA, Nesbitt L. Multicenter comparison of GCS and RTS scores at the scene vs at the trauma hospital [abstract]. Acad Emerg Med 2003; 10: 476.
- 17. Albright JP, McAuley E, Martin RK, Crowley ET, Foster DT. Head

- and neck injuries in college football: an eight-year analysis. Am J Sports Med 1985; 13: 147-152.
- 18. Alexander M. The evidence for brain injury in whiplash injuries. Pain Res Manage 2003; 8: 19-23.
- 19. Alexander MP. Neuropsychiatric correlates of persistent postconcussive syndrome. J Head Trauma Rehabil 1992; 7: 60-69.
- 20. Allison PD. Survival analysis using the SAS system: a practical guide. Cary (NC): SAS Institute; 1995.
- 21. Altman DG. Methodological challenges in the evaluation of prognostic factors in breast cancer. Breast Cancer Res Treat 1998; 52:
- 22. Alves W, Macciocchi SN, Barth JT. Postconcussive symptoms after uncomplicated mild head injury. J Head Trauma Rehabil 1993; 8: 48-59.
- 23. Alves WM, Colohan AT, O'Leary TJ, Rimel RW, Jane JA. Understanding posttraumatic symptoms after minor head injury. J Head Trauma Rehabil 1986; 1: 1-12.
- 24. American Psychological Association. Diagnostic and statistical manual of mental disorders: DSM-IV. 4th edn. Washington DC: American Psychological Association; 1994.
- 25. Anderson DW, Kalsbeek WD. The National Head and Spinal Cord Injury Survey: Assessment of some uncertainities affecting the findings. J Neurosurg 1980; 53: S32-S34.
- 26. Anderson VA, Catroppa C, Morse SA, Haritou F. Functional memory skills following traumatic brain injury in young children. Pediatr Rehabil 1999; 3: 159-166.
- 27. Antman EM, Lau J, Kupelnick B, Mosteller F, Chalmers TC. A comparison of results of meta-analyses of randomized control trials and recommendations of clinical experts. Treatments for myocardial infarction. JAMA 1992; 268: 240-248.
- 28. Arienta C, Caroli M, Balbi S. Management of head-injured patients in the emergency department: a practical protocol. Surg Neurol 1997; 48: 213-219.
- 29. Armstrong C. Selective versus sustained attention: a continuous performance test revisited. Clin Neuropsychol 1997; 11: 18-33.
- 30. Artiola L, Fortuny I, Briggs M, Newcombe F, Ratcliff G, Thomas C. Measuring the duration of post traumatic amnesia. J Neurol Neurosurg Psychiatry 2002; 43: 377–379.
- 31. Asarnow RF, Satz P, Light R, Lewis R, Neumann E. Behavior problems and adaptive functioning in children with mild and severe closed head injury. J Pediatr Psychol 1991; 16: 543-555.
- 32. Asikainen I, Kaste M, Sarna S. Patients with traumatic brain injury referred to a rehabilitation and re-employment programme: social and professional outcome for 508 Finnish patients 5 or more years after injury. Brain Inj 1996; 10: 883-899.
- 33. Asikainen I, Kaste M, Sarna S. Predicting late outcome for patients with traumatic brain injury referred to a rehabilitation programme: a study of 508 Finnish patients 5 years or more after injury. Brain Ini 1998: 12: 95-107.
- 34. Aubry M, Cantu RC, Dvorak J, Graf-Baumann T, Johnston KM, Kelly J, et al. Summary and agreement statement of the 1st International Symposium on Concussion in Sport, Vienna 2001. Clin J Sport Med 2002; 12: 6-11.
- 35. Aumick JE. Head trauma. Guidelines for care. RN 1991; 54: 27-32.
- 36. Badcock KA. Head injury in South Australia: incidence of hospital attendance and disability based on a one-year sample. Community Health Stud 1988; 12: 428-436.
- 37. Baker JE. Family adaptation when one member has a head injury. J Neurosci Nurs 1990; 22: 232-237.
- 38. Barnfield TV, Leathern JM. Incidence and outcomes of traumatic brain injury and substance abuse in a New Zealand prison population. Brain Inj 1998; 12: 455-466.
- 39. Barrett K, Buxton N, Redmond AD, Jones JM, Boughey A, Ward AB. A comparison of symptoms experienced following minor head injury and acute neck strain (whiplash injury). J Accid Emerg Med 1995; 12: 173-176.
- 40. Barth JT, Macciocchi SN, Giordani B, Rimel R, Jane JA, Boll TJ. Neuropsychological sequelae of minor head injury. Neurosurgery 1983; 13: 529-533.
- 41. Bassett SS, Slater EJ. Neuropsychological function in adolescents sustaining mild closed head injury. J Pediatr Psychol 1990; 15:
- 42. Batchelor J, Harvey AG, Bryant RA. Stroop Colour Word Test as a

- measure of attentional deficit following mild head injury. Clin Neuropsychol 1995; 9: 180-186.
- 43. Bazarian J, Hartman M, Delahunta E. Minor head injury: predicting follow-up after discharge from the Emergency Department. Brain Inj 2000; 14: 285-294.
- 44. Beaton DE, Tarasuk V, Katz JN, Wright JG, Bombardier C. "Are you better?" A qualitative study of the meaning of recovery. Arthritis Rheum 2001; 45: 270-279.
- 45. Beers SR, Goldstein G, Katz LJ. Neuropsychological differences between college students with learning disabilities and those with mild head injury. J Learn Disabil 1994; 27: 315-324.
- 46. Beetar JT, Guilmette TJ, Sparadeo FR. Sleep and pain complaints in symptomatic traumatic brain injury and neurologic populations. Arch Phys Med Rehabil 1996; 77: 1298-1302.
- 47. Bell BD, Primeau M, Sweet JI, Lofland KR. Neuropsychological functioning in migraine headache, nonheadache chronic pain, and mild traumatic brain injury patients. Arch Clin Neuropsychol 1999; 14: 389-399.
- 48. Benna P, Bergamasco B, Bianco C, Gilli M, Ferrero P, Pinessi L. Brainstem auditory evoked potentials in postconcussion syndrome. Ital J Neurol Sci 1982; 3: 281-287.
- 49. Bennett BR, Jacobs LM, Schwartz RJ. Incidence, costs, and DRGbased reimbursement for traumatic brain injured patients: a 3-year experience. J Trauma 1989; 29: 556-565.
- 50. Benson K, Hartz A. A comparison of observational studies and randomized, controlled trials. N Engl J Med 2000; 342: 1878-1886.
- 51. Bero L, Rennie D. The Cochrane Collaboration. Preparing, maintaining, and disseminating systematic reviews of the effects of health care. JAMA 1995; 274: 1935-1938.
- 52. Bero LA, Jadad AR. How consumers and policymakers can use systematic reviews for decision making. Ann Intern Med 1997; 127: 37-42.
- 53. Binder LM. A review of mild head trauma. Part II: clinical implications. J Clin Exp Neuropsychol 1997; 19: 432-457.
- 54. Blostein PA, Jones SJ, Buechler CM, Vandongen S. Cognitive screening in mild traumatic brain injuries: analysis of the neurobehavioral cognitive status examination when utilized during initial trauma hospitalization. J Neurotrauma 1997; 14: 171-177.
- 55. Body C, Leathern J. Incidence and aetiology of head injury in a New Zealand adolescent sample. Brain Inj 1996; 10: 567-573.
- 56. Bohnen N, Twijnstra A, Wijnen G, Jolles J. Tolerance for light and sound of patients with persistent post-concussional symptoms 6 months after mild head injury. J Neurol 1991; 238: 443-446.
- 57. Bohnen N, Twijnstra A, Jolles J. Performance in the Stroop color word test in relationship to the persistence of symptoms following mild head injury. Acta Neurol Scand 1992; 85: 116-121.
- 58. Bohnen N, Twijnstra A, Jolles J. Post-traumatic and emotional symptoms in different subgroups of patients with mild head injury. Brain Inj 1992; 6: 481-487.
- 59. Bohnen N, Jolles J, Twijnstra A, Mellink R, Sulon J. Coping styles, cortisol reactivity, and performance in a vigilance task of patients with persistent postconcussive symptoms after a mild head injury. Int J Neurosci 1992; 64: 97-105.
- 60. Bohnen N, Twijnstra A, Wijnen G, Jolles J. Recovery from visual and acoustic hyperaesthesia after mild head injury in relation to patterns of behavioural dysfunction. J Neurol Neurosurg Psychiatry 1992; 55: 222-224.
- 61. Bohnen N, Jolles J, Twijnstra A. Neuropsychological deficits in patients with persistent symptoms six months after mild head injury. Neurosurgery 1992; 30: 692-695.
- 62. Bohnen N, Jolles J, Twijnstra A. Modification of the Stroop Color Word Test improves differentiation between patients with mild head injury and matched controls. Clin Neuropsychol 1992; 6: 178-
- 63. Bohnen N, Twijnstra A, Jolles J. Water metabolism and postconcussional symptoms 5 weeks after mild head injury. Eur Neurol 1993; 33: 77-79.
- 64. Bohnen N, Twijnstra A, Jolles J. Persistence of postconcussional symptoms in uncomplicated, mildly head-injured patients: A prospective cohort study. Neuropsychiatry Neuropsychol Behav Neurol 1993; 6: 193-200.
- 65. Bohnen NI, Jolles J, Twijnstra A, Mellink R, Wijnen G. Late

- Bohnen NJ, Wijnen G, Twijnstra A, Van Zutphen W, Jolles J. The constellation of late post-traumatic symptoms of mild head injury patients. J Neurol Rehabil 1995; 9: 33–39.
- 67. Borg J, Holm L, Cassidy JD, Peloso PM, Carroll LJ, von Holst H, et al. Diagnostic procedures in mild traumatic brain injury: results of the WHO Collaborating Centre Task Force on Mild Traumatic Brain Injury. J Rehabil Med 2004; (suppl 43): 61–75.
- Borg J, Holm L, Cassidy JD, Peloso PM, Carroll LJ, von Holst H, et al. Non-surgical intervention and cost for mild traumatic brain injury: results of the WHO Collaborating Centre Task Force on Mild Traumatic Brain Injury. J Rehabil Med 2004; (suppl 43): 76– 83.
- Brismar B, Engström A, Rydberg U. Head injury and intoxication: a diagnostic and therapeutic dilemma. Acta Chir Scand 1983; 149: 11–14.
- Brocklehurst G, Gooding M, James G. Comprehensive care of patients with head injuries. BMJ 1987; 294: 345–347.
- Brooker AE. Performance on the Wechsler Memory Scale-Revised for patients with mild traumatic brain injury and mild dementia. Percept Mot Skills 1997; 84: 131–138.
- Brooks CA, Lindstrom J, McCray J, Whiteneck GG. Cost of medical care for a population-based sample of persons surviving traumatic brain injury. J Head Trauma Rehabil 1995; 10: 1–13.
- Brooks J, Fos LA, Greve KW, Hammond JS. Assessment of executive function in patients with mild traumatic brain injury. J Trauma 1999; 46: 159–163.
- Brown C. Joint effort yields concussion guidelines. Nasnewsletter 1999; 14: 1.
- Brown DS, Nell V. Recovery from diffuse traumatic brain injury in Johannesburg: a concurrent prospective study. Arch Phys Med Rehabil 1992; 73: 758–770.
- Brown SR, Raine C, Robertson CE, Swann IJ. Management of minor head injuries in the accident and emergency department: the effect of an observation ward. J Accid Emerg Med 1994; 11: 144– 148.
- 77. Browning GG, Swan IR, Gatehouse S. Hearing loss in minor head injury. Arch Otolaryngol 1982; 108: 474–477.
- Bruno LA, Gennarelli TA, Torg JS. Management guidelines for head injuries in athletics. Clin Sports Med 1987; 6: 17–29.
- Bryant RA, Harvey AG. Acute stress response: a comparison of head injured and non-head injured patients. Psychol Med 1995; 25: 869–873.
- Caillé S, Deguise E, Feyz M, Hardy P, Richard SL. Early prediction of neuropsychological deficits and global outcome during the acute phase of treatment following traumatic brain injury. Brain Cogn 2000; 44: 30–34.
- Canadian Academy of Sport Medicine Concussion Committee. Guidelines for assessment and management of sport-related concussion. Clin J Sport Med 2000; 10: 209–211.
- Cantu RC. Minor head injuries in sports. In: Dyment PG, ed. Sports and the adolescent. Philadelphia: Hanley Belfus; 1991, p. 17–30.
- 83. Cantu RC. Cerebral concussion in sport. Management and prevention. Sports Med 1992; 14: 64–74.
- Cantu RC, Voy R. Second impact syndrome: a risk in any contact sport. Phys Sportsmed 1995; 23: 27–491.
- Cantu RC. Second-impact syndrome. Clin Sports Med 1998; 17: 37–44.
- Cantu RC. Return to play guidelines after a head injury. Clin Sports Med 1998; 17: 45–60.
- 87. Cantu RC. Posttraumatic retrograde and anterograde amnesia: pathophysiology and implication in grading and safe return to play. J Athl Training 2001; 36: 244–248.
- Cantu RV, Cantu RC. Guidelines for return to contact sports after transient quadriplegia. J Neurosurg 1994; 80: 592–594.
- Carlsson G, Norin H, Ysander L. Rearward-facing child seats the safest car restraint for children? Accid Anal Prev 1991; 23: 175– 182
- Carlsson GS, Svärdsudd K, Welin L. Long-term effects of head injuries sustained during life in three male populations. J Neurosurg 1987; 67: 197–205.
- 91. Carroll LJ, Cassidy JD, Peloso PM, Borg J, von Holst H, Holm L, et

- al. Prognosis for mild traumatic brain injury: results of the WHO Collaborating Centre Task Force on Mild Traumatic Brain Injury. J Rehabil Med 2004; (suppl 43): 84–105.
- Carroll LJ, Cassidy JD, Peloso PM, Garritty C, Giles-Smith L. Systematic search and review procedures: results of the WHO Collaborating Centre Task Force on Mild Traumatic Brain Injury. J Rehabil Med 2004; (suppl 43): 11–14.
- 93. Carroll LJ, Cassidy JD, Kraus JF, Coronado V, Holm L. Methodological issues and research recommendations for mild traumatic brain injury: the WHO Collaborating Task Force on Mild Traumatic Brain Injury. J Rehabil Med 2004; (suppl 43): 113–125.
- Casey R, Ludwig S, McCormick MC. Morbidity following minor head trauma in children. Pediatrics 1986; 78: 497–502.
- Cassidy JD, Carroll LJ, Côté P, Lemstra M, Berglund A, Nygren A. Effect of eliminating compensation for pain and suffering on the outcome of insurance claims for whiplash injury. N Engl J Med 2000; 342: 1179–1186.
- Cassidy JD, Carroll LJ, Peloso PM, Borg J, von Holst H, Holm L, et al. Incidence, risk factors and prevention of mild traumatic brain injury: results of the WHO Collaborating Centre Task Force on Mild Traumatic Brain Injury. J Rehabil Med 2004; (suppl 43): 28– 60
- Casson IR, Sham R, Campbell EA, Tarlau M, Didomenico A. Neurological and CT evaluation of knocked-out boxers. J Neurol Neurosurg Psychiatry 2002; 45: 170–174.
- Cattelani R, Gugliotta M, Maravita A, Mazzucchi A. Postconcussive syndrome: paraclinical signs, subjective symptoms, cognitive functions and MMPI profiles. Brain Inj 1996; 10: 187– 195.
- Cecil KM, Hills EC, Sandel ME, Smith DH, McIntosh TK, Mannon LJ, et al. Proton magnetic resonance spectroscopy for detection of axonal injury in the splenium of the corpus callosum of braininjured patients. J Neurosurg 1998; 88: 795–801.
- Centers for Disease Control and Prevention. Sports-related recurrent brain injuries – United States. Morb Mortal Wkly Rep 1997; 46: 224–227.
- Chambers J, Cohen SS, Hemminger L, Prall JA, Nichols JS. Mild traumatic brain injuries in low-risk trauma patients. J Trauma 1996; 41: 976–980.
- 102. Chan KH, Mann KS, Yue CP, Fan YW, Cheung M. The significance of skull fracture in acute traumatic intracranial hematomas in adolescents: a prospective study. J Neurosurg 1990; 72: 189–194.
- 103. Chan KH, Miller JD, Dearden NM. Intracranial blood flow velocity after head injury: relationship to severity of injury, time, neurological status and outcome. J Neurol Neurosurg Psychiatry 1992; 55: 787–791.
- 104. Chan KH, Dearden NM, Miller JD. The significance of posttraumatic increase in cerebral blood flow velocity: a transcranial Doppler ultrasound study. Neurosurgery 1992; 30: 697–700.
- 105. Cheung DS, Kharasch M. Evaluation of the patient with closed head trauma: an evidence based approach. Emerg Med Clin North Am 99 A.D.; 17: 9–23.
- Chiaretti A, De Benedictis R, Polidori G, Piastra M, Iannelli A, Di Rocco C. Early post-traumatic seizures in children with head injury. Childs Nerv Syst 2000; 16: 862–866.
- Chiaviello CT, Christoph RA, Bond GR. Stairway-related injuries in children. Pediatrics 1994; 94: 679–681.
- 108. Chistyakov AV, Soustiel JF, Hafner H, Elron M, Feinsod M, Schramm J, et al. Altered excitability of the motor cortex after minor head injury revealed by transcranial magnetic stimulation. Acta Neurochir Wien 1998; 140: 467–472.
- 109. Chistyakov AV, Hafner H, Soustiel JF, Trubnik M, Levy G, Feinsod M. Dissociation of somatosensory and motor evoked potentials in non-comatose patients after head injury. Clin Neurophysiol 1999; 110: 1080–1089.
- Chiu WT, Lin WY, Lin LS, Hung CC, Shih CJ. Neurobehavioral manifestations following closed head injury. J Formos Med Assoc 1993; 92: 255–262.
- 111. Cicerone KD, Kalmar K. Persistent postconcussion syndrome: the structure of subjective complaints after mild traumatic brain injury. J Head Trauma Rehabil 1995; 10: 1–17.
- 112. Cicerone KD. Attention deficits and dual task demands after mild traumatic brain injury. Brain Inj 1996; 10: 79–89.

- 113. Cicerone KD, Kalmar K. Does premorbid depression influence post-concussive symptoms and neuropsychological functioning? Brain Inj 1997; 11: 643-648.
- 114. Cicerone KD. Clinical sensitivity of four measures of attention to mild traumatic brain injury. Clin Neuropsychol 1997; 11: 266-272.
- 115. Ciricillo SF, Andrews BT, Damron SL, Pitts LH. Severity and outcome of intracranial lesions in pedestrians injured by motor vehicles. J Trauma 1992; 33: 899-903.
- 116. Assessment of study quality. Cochrane reviewers handbook 4.1.4 [updated 2001 Oct] [computer program]. Oxford: Update Software;
- 117. Clifton GL, Ziegler MG, Grossman RG. Circulating catecholamines and sympathetic activity after head injury. Neurosurgery 1981; 8: 10-14.
- 118. Colantonio A, Dawson DR, McLellan BA. Head injury in young adults: long-term outcome. Arch Phys Med Rehabil 1998; 79: 550-
- 119. Collins MW, Grindel SH, Lovell MR, Dede DE, Moser DJ, Phalin BR, et al. Relationship between concussion and neuropsychological performance in college football players. JAMA 1999; 282: 964-
- 120. Colorado Medical Society Sports Medicine Committee. Guidelines for the Management of Concussion in Sports. Denver: Colorado Medical Society; 1991.
- 121. Concato J, Shah N, Horowitz RI. Randomized, controlled trials, observational studies, and the hierarchy of research designs, N Engl J Med 2000; 342: 1887-1892.
- 122. Cook DJ, Mulrow CD, Haynes RB. Systematic reviews: synthesis of best evidence for clinical decisions. Ann Intern Med 1997; 126: 376-380.
- 123. Cook DJ, Greengold NL, Ellrodt AG, Weingarten SR. The relation between systematic reviews and practice guidelines. Ann Intern Med 1997; 127: 210-216.
- 124. Cook LS, Levitt MA, Simon B, Williams VL. Identification of ethanol-intoxicated patients with minor head trauma requiring computed tomography scans. Acad Emerg Med 1994; 1: 227-234.
- 125. Coolidge FL, Mull CE, Becker LA, Stewart SE, Segal DL. Hyperawareness of neuropsychological deficits in patients with mild closed head injuries: a preliminary investigation. Int J Rehabil Health 2000; 4: 13.
- 126. Coonley HR, Sachs N, Desai BT, Whitman S. Sequelae associated with head injuries in patients who were not hospitalized: a followup survey. Neurosurgery 1984; 14: 315-317.
- 127. Correll RE, Brodginski SE, Rokosz SF. WAIS performance during the acute recovery stage following closed-head injury. Percept Mot Skills 1993: 76: 99-109.
- 128. Corrigan JD, Bogner JA, Mysiw WJ, Clinchot D, Fugate L. Systematic bias in outcome studies of persons with traumatic brain injury. Arch Phys Med Rehabil 1997; 78: 132-137.
- 129. Coulter I, Adams A, Shekelle P. Impact of varying panel membership on ratings of appropriateness in consensus panels: a comparison of a multi- and single disciplinary panel. Health Serv Res 1995; 30: 577–591.
- 130. Cowen TD, Meythaler JM, DeVivo MJ, Ivie CS, Lebow J, Novack TA. Influence of early variables in traumatic brain injury on functional independence measure scores and rehabilitation length of stay and charges. Arch Phys Med Rehabil 1995; 76: 797-803.
- 131. Coyle D, Stiell IG, Wells GA, Clement C. Economic evaluation of the potential impact of the Canadian CT Head Rule [abstract]. Acad Emerg Med 2003; 10: 554.
- 132. Côté P, Cassidy JD, Carroll LJ, Frank JW, Bombardier C. A systematic review of the prognosis of acute whiplash and a new conceptual framework to synthesize the literature. Spine 2001; 26: E445-E458.
- 133. Côté P, Hogg-Johnson S, Cassidy JD, Carroll LJ, Frank JW. The association between neck pain intensity, physical functioning, depressive symptomatology and time-to-claim-closure after whiplash. J Clin Epidemiol 2001; 54: 275-286.
- 134. Crevits L, Hanse MC, Tummers P, Van Maele G. Antisaccades and remembered saccades in mild traumatic brain injury. J Neurol 2000: 247: 179-182.
- 135. Cripe LI. The neuropsychological assessment and management of

- closed head injury: general guidelines. Cognit Rehabil 1987; 5: 18-
- 136. Crosby L, Parsons L. Clinical neurologic assessment tool: development and testing of an instrument to index neurologic status. Heart Lung 1989; 18: 121-129.
- 137. Crovitz HF, Horn RW, Daniel WF. Inter-relationships among retrograde amnesia, post-traumatic amnesia, and time since head injury: a retrospective study. Cortex 1983; 19: 407-412.
- 138. Cunningham C, Cunningham S. Injury surveillance at a national multi-sport event. Aust J Sci Med Sport 1996; 28: 50-56.
- 139. Curry SH. Event-related potentials as indicants of structural and functional damage in closed head injury. Prog Brain Res 1980; 54: 507-515.
- 140. Cushman JG, Agarwal N, Fabian TC, Garcia V, Nagy KK, Pasquale MD, et al. Practice management guidelines for the management of mild traumatic brain injury: the EAST practice management guidelines work group. J Trauma 2001; 51: 1016-
- 141. Dahl GD, Chande VT, Barnoski A. Closed head injuries in children: is hospital admission always necessary? Pediatr Emerg Care 1995; 11: 86-88.
- 142. Dans A, McAlister F, Dans L, Richardson WS, Straus S, Guyatt G. Applying the results to individual patients. In: Guyatt G, Rennie D, eds. Users' guides to the medical literature: a manual for evidencebased clinical practice. Chicago: AMA Press; 2002, p. 369-384.
- 143. Davies RA, Luxon LM. Dizziness following head injury: a neurootological study. J Neurol 1995; 242: 222-230.
- 144. Davis PC, Drayer BP, Anderson RE, Braffman B, Deck MD, Hasso AN, et al. Head trauma. American College of Radiology. ACR Appropriateness Criteria. Radiology 2000; 215 (suppl): 507-524.
- 145. de Andrade AF, Marino R, Ciquini O, Figueiredo EG, Machado AG. Guidelines for neurosurgical trauma in Brazil. World J Surg 2001; 25: 1186-1201.
- 146. de Benedittis G, de Santis A. Chronic post-traumatic headache: clinical, psychopathological features and outcome determinants. J Neurosurg Sci 1983; 27: 177-186.
- 147. de Lacey G, McCabe M, Constant O, Welch T, Spinks C, McNally E. Testing a policy for skull radiography (and admission) following mild head injury. Br J Radiol 1990; 63: 14-18.
- 148. Deb S, Lyons I, Koutzoukis C. Neurobehavioural symptoms one year after a head injury. Br J Psychiatry 1999; 174: 360-365.
- 149. Deb S. ICD-10 codes detect only a proportion of all head injury admissions. Brain Inj 1999; 13: 369-373.
- 150. Delaney JS, Lacroix VJ, Leclerc S, Johnston KM. Concussions during the 1997 Canadian Football League season. Clin J Sport Med 2000: 10: 9-14.
- 151. Demers P, Rosenstock L. Occupational injuries and illnesses among Washington state agricultural workers. Am J Public Health 1991; 81: 1656-1658.
- 152. Department of Health and Human Services Centers for Disease Control and Prevention. Heads up: facts for physicians about mild traumatic brain injury. The National Center for Injury Prevention and Control, Centers for Disease Control and Prevention website 2003 Apr [cited 2003 Apr 27]. Available from: URL: http:// www.cdc.gov/ncipc/pub-res/tbitoolkit/physicians/mtbi/index.htm.
- 153. Desai BT, Whitman S, Coonley HR, Coleman TE, Gabriel G, Dell J. Seizures in relation to head injury. Ann Emerg Med 1983; 12:
- 154. Deshpande SA, Millis SR, Reeder KP, Fuerst D, Ricker JH. Verbal learning subtypes in traumatic brain injury: a replication. J Clin Exp Neuropsychol 1996; 18: 836-842.
- 155. Di Scala C, Osberg JS, Gans BM, Chin LJ, Grant CC. Children with traumatic head injury: morbidity and postacute treatment. Arch Phys Med Rehabil 1991; 72: 662-666.
- 156. Di Stefano G, Radanov BP. Course of attention and memory after common whiplash: a two-year prospective study with age, education and gender pair-matched patients. Acta Neurol Scand 1995; 91: 346-352.
- 157. Di Stefano G, Radanov BP. Quantitative and qualitative aspects of learning and memory in common whiplash patients: a 6-month follow-up study. Arch Clin Neuropsychol 1996; 11: 661-676.
- 158. Diamond R, Barth JT, Zillmer EA. Emotional correlates of mild

- closed head trauma: the role of the MMPI. Int J Clin Neuropsychol 1988: 10: 35-40.
- 159. Dicker BG. Profile of those at risk for minor head injury. J Head Trauma Rehabil 1992; 7: 83-91.
- 160. Dicker G, Maddocks D. Clinical management of concussion. Aust Fam Physician 1993; 22: 750-753.
- 161. Dickinson K, Bunn F, Wentz R, Edwards P, Roberts I. Size and quality of randomised controlled trials in head injury: review of published studies. BMJ 2000; 320: 1308-1311.
- 162. Dietrich AM, Bowman MJ, Ginn PM, Kosnik E, King DR. Pediatric head injuries: can clinical factors reliably predict an abnormality on computed tomography? Ann Emerg Med 1993; 22: 1535-1540.
- 163. Dinan TG, Mobayed M. Treatment resistance of depression after head injury: a preliminary study of amitriptyline response. Acta Psychiatr Scand 1992; 85: 292-294.
- 164. Doezema D, King JN, Tandberg D, Espinosa MC, Orrison WW. Magnetic resonance imaging in minor head injury. Ann Emerg Med 1991: 20: 1281-1285.
- 165. Dombovy ML, Olek AC. Recovery and rehabilitation following traumatic brain injury. Brain Inj 1997; 11: 305-318.
- 166. Dorman EB, Morton RP. Hearing loss in minor head injury. N Z Med J 1982; 95: 454-455.
- 167. Drake ME, Jr, Weate SJ, Newell SA. Auditory evoked potentials in postconcussive syndrome. Electromyogr Clin Neurophysiol 1996; 36: 457–462.
- 168. Drake AI, Gray N, Yoder S, Pramuka M, Llewellyn M. Factors predicting return to work following mild traumatic brain injury: a discriminant analysis. J Head Trauma Rehabil 2000; 15: 1103-
- 169. Dupuis F, Johnston KM, Lavoie M, Lepore F, Lassonde M. Concussions in athletes produce brain dysfunction as revealed by event-related potentials. NeuroReport 2000; 11: 4087-4092.
- 170. Duus BR, Boesen T, Kruse KV, Nielsen KB. Prognostic signs in the evaluation of patients with minor head injury. Br J Surg 1993; 80: 988-991.
- 171. Duus BR. An audit on guidelines used for the initial management of patients with minor head injuries in Denmark. Acta Neurochir Wien 1997; 139: 743–748.
- 172. Edna TH. Disability 3-5 years after minor head injury. J Oslo City Hosp 1987; 37: 41-48.
- 173. Egger M, Davey SG, Schneider M, Minder C. Bias in meta-analysis detected by a simple, graphical test. BMJ 1997; 315: 629-634.
- 174. Eguare E, Tierney S, Barry MC, Grace PA. Management of head injury in a regional hospital. Ir J Med Sci 2000; 169: 103-106.
- 175. Eide PK, Tysnes OB. Early and late outcome in head injury patients with radiological evidence of brain damage. Acta Neurol Scand 1992: 86: 194-198.
- 176. Ekman R, Schelp L, Welander G, Svanstrom L. Can a combination of local, regional and national information substantially increase bicycle-helmet wearing and reduce injuries? Experiences from Sweden. Accid Anal Prev 1997; 29: 321-328.
- $177.\ Ekman\ R, Welander\ G, Svanstrom\ BL, Schelp\ L.\ Long-term\ effects$ of legislation and local promotion of child restraint use in motor vehicles in Sweden. Accid Anal Prev 2001; 33: 793-797.
- 178. Englander J, Hall K, Stimpson T, Chaffin S. Mild traumatic brain injury in an insured population: subjective complaints and return to employment. Brain Inj 1992; 6: 161-166.
- 179. Enomoto T, Ono Y, Nose T, Maki Y, Tsukada K. Electroencephalography in minor head injury in children. Childs Nerv Syst 1986; 2: 72-79.
- 180. Ettlin TM, Kischka U, Reichmann S, Radii EW, Heim S, Wengen D, et al. Cerebral symptoms after whiplash injury of the neck: a prospective clinical and neuropsychological study of whiplash injury. J Neurol Neurosurg Psychiatry 1992; 55: 943-948.
- 181. Ewing CL, Levin HS, Eisenberg HM, Fletcher JM. Language functions following closed-head injury in children and adolescents. J Clin Exp Neuropsychol 1987; 9: 575-592.
- 182. Fann JR, Uomoto JM, Katon WJ. Sertraline in the treatment of major depression following mild traumatic brain injury. J Neuropsychiatry Clin Neurosci 2000; 12: 226-232.
- 183. Feinstein A, Ouchterlony D, Somerville J, Jardine A. The effects of

- litigation on symptom expression: a prospective study following mild traumatic brain injury. Med Sci Law 2001; 41: 116-121.
- 184. Feinstein AR. Multivariable analysis: an introduction. New Haven: Yale University Press; 1996.
- 185. Fenton G, McClelland R, Montgomery A, MacFlynn G, Rutherford W. The postconcussional syndrome: social antecedents and psychological sequelae. Br J Psychiatry 1993; 162: 493-497.
- 186. Fernandez R, Firsching R, Lobato R, Mathiesen T, Pickard J, Servadei F, et al. Guidelines for treatment of head injury in adults. Opinions of a group of neurosurgeons. Zentralbl Neurochir 1997; 58: 72-74.
- 187. Feuerman T, Wackym PA, Gade GF, Becker DP. Value of skull radiography, head computed tomographic scanning, and admission for observation in cases of minor head injury. Neurosurgery 2002; 22: 449-453.
- 188. Field JH. Epidemiology of head injuries in England and Wales: with particular application to rehabilitation,. HMO. 1976.
- 189. Filipová M, Jung M, Filip V, Krejcová H. Clinical efficacy of 1-desamino-8-D-arginine-vasopressin (DDAVP) in short-term recovery from minor head injury. Hum Psychopharm Clin Exp 1989; 4: 47-50.
- 190. Fisher DC, Ledbetter MF, Cohen NJ, Marmor D, Tulsky DS. WAIS-III and WMS-III profiles of mildly to severely brain-injured patients. Appl Neuropsychol 2002; 7: 126-132.
- 191. Fletcher RH, Fletcher SW, Wagner EH. Clinical epidemiology: the essentials. 3rd edn. Baltimore: Williams Wilkins; 1996.
- 192. Fowkes FG, Ennis WP, Evans RC, Roberts CJ, Williams LA. Admission guidelines for head injuries: variance with clinical practice in accident and emergency units in the UK. Br J Surg 1986; 73: 891-893.
- 193. Fox DD, Lees-Haley PR, Earnest K, Dolezal-Wood S. Base rates of postconcussive symptoms in health maintenance organization patients and controls. Neuropsychology 1995; 9: 606-611.
- 194. Frank E, Frankel P, Mullins RJ, Taylor N. Injuries resulting from bicycle collisions. Acad Emerg Med 1995; 2: 200-203.
- 195. Freed S, Hellerstein LF. Visual electrodiagnostic findings in mild traumatic brain injury. Brain Inj 1997; 11: 25-36.
- 196. Fretheim A, Williams JW, Jr, Oxman AD, Herrin J. The relation between methods and recommendations in clinical practice guidelines for hypertension and hyperlipidemia. J Fam Pract 2002; 51: 963-968.
- 197. Gaetz M, Goodman D, Weinberg H. Electrophysiological evidence for the cumulative effects of concussion. Brain Inj 2000; 14: 1077-
- 198. Gaetz M, Weinberg H. Electrophysiological indices of persistent post-concussion symptoms. Brain Inj 2000; 14: 815-832.
- 199. Gagnon I, Forget R, Sullivan SJ, Friedman D. Motor performance following a mild traumatic brain injury in children: an exploratory study. Brain Inj 1998; 12: 843-853.
- 200. Gasquoine PG. Postconcussional symptoms in chronic back pain. Appl Neuropsychol 2000; 7: 83-89.
- 201. Gass CS, Wald. HS. MMPI-2 interpretation and closed-head trauma: cross-validation of a correction factor. Arch Clin Neuropsychol 1997; 12: 199-205.
- 202. Gennarelli TA. Emergency department management of head injuries. Emerg Med Clin North Am 1984; 2: 749-760.
- 203. Gensemer IB, Walker JC, McMurry FG, Brotman SJ. IQ levels following trauma. J Trauma 1989; 29: 1616-1619.
- 204. Genuardi FJ, King WD. Inappropriate discharge instructions for youth athletes hospitalized for concussion. Pediatrics 1995; 95: 216-218.
- 205. Gerber DJ, Schraa JC. Mild traumatic brain injury: searching for the syndrome. J Head Trauma Rehabil 1995; 10: 28-40.
- 206. Gerberich SG, Finke R, Madden M, Priest JD, Aamoth G, Murray K. An epidemiological study of high school ice hockey injuries. Childs Nerv Syst 1987; 3: 59-64.
- 207. Geurts AC, Ribbers GM, Knoop JA, van Limbeek J. Identification of static and dynamic postural instability following traumatic brain injury. Arch Phys Med Rehabil 1996; 77: 639-644.
- 208. Geurts AC, Knoop JA, van Limbeek J. Is postural control associated with mental functioning in the persistent postconcussion syndrome? Arch Phys Med Rehabil 1999; 80: 144-149.
- 209. Gibson TC. Skull X-rays in minor head injury. A review of their use

- and interpretation by casualty officers. Scott Med J 1983; 28: 132-
- 210. Gillespie LD, Gillespie WJ, Robertson MC, Lamb SE, Dumming RG, Rowe BH. Interventions for preventing falls in elderly people. Cochrane Database Syst Rev 2001; 3: CD000340.
- 211. Gimse R, Björgen IA, Tjell C, Tyssedal JS, Bø K. Reduced cognitive functions in a group of whiplash patients with demonstrated disturbances in the posture control system. J Clin Exp Neuropsychol 1997; 19: 838-849.
- 212. Godano U, Serracchioli A, Servadei F, Donati R, Piazza G. Intracranial lesions of surgical interest in minor head injuries in paediatric patients. Childs Nerv Syst 1992; 8: 136-138.
- 213. Goldstein FC, Levin HS, Presley RM, Searcy J, Colohan AR, Eisenberg HM, et al. Neurobehavioural consequences of closed head injury in older adults. J Neurol Neurosurg Psychiatry 1994; 57: 961-966.
- 214. Gordon WA, Brown M, Sliwinski M, Hibbard MR, Patti N, Weiss MJ, et al. The enigma of "hidden" traumatic brain injury. J Head Trauma Rehabil 2000; 13: 30.
- 215. Graham ID, Stiell IG, Laupacis A, O'Connor AM, Wells GA. Emergency physicians' attitudes toward and use of clinical decision rules for radiography. Acad Emerg Med 1998; 5: 134-140.
- 216. Granovsky Y, Sprecher E, Hemli J, Yarnitsky D. P300 and stress in mild head injury patients. Electroencephalogr Clin Neurophysiol 1998; 108: 554-559.
- 217. Gray BG, Ichise M, Chung DG, Kirsh JC, Franks W. Technetium-99m-HMPAO SPECT in the evaluation of patients with a remote history of traumatic brain injury: a comparison with x-ray computed tomography. J Nucl Med 1992; 33: 52-58.
- 218. Greene KA, Jacobowitz R, Marciano FF, Johnson BA, Spetzler RF, Harrington TR. Impact of traumatic subarachnoid hemorrhage on outcome in nonpenetrating head injury. Part II: Relationship to clinical course and outcome variables during acute hospitalization. J Trauma 1996; 41: 964-971.
- 219. Greenland S, Rothman KJ. Introduction to stratified analysis. In: Rothman KJ, Greenland S, eds. Modern epidemiology. 2nd edn. Philadelphia: Lippincott-Raven; 1998, p. 253-279.
- 220. Grigsby J, Kaye K. Incidence and correlates of depersonalization following head trauma. Brain Inj 1993; 7: 507-513.
- 221. Grilli R, Magrini N, Penna A, Mura G, Liberati A. Practice guidelines developed by specialty societies: the need for a critical appraisal. Lancet 2000; 355: 103-106.
- 222. Grimshaw JM, Shirran L, Thomas R, Mowatt G, Fraser C, Bero L, et al. Changing provider behavior: an overview of systematic reviews of interventions. Med Care 2001; 39 (8 suppl 2): II2-45.
- 223. Gronwall D, Wrightson P. Cumulative effect of concussion. Lancet 1975; 2: 995-997.
- 224. Gronwall D, Wrightson P. Delayed recovery of intellectual function after minor head injury. Lancet 1974; 2: 605-609.
- 225. Gronwall D, Wrightson P. Memory and information processing capacity after closed head injury. J Neurol Neurosurg Psychiatry 1981; 44: 889-895.
- 226. Gross H, Kling A, Henry G, Herndon C, Lavretsky H. Local cerebral glucose metabolism in patients with long-term behavioral and cognitive deficits following mild traumatic brain injury. J Neuropsychiatry Clin Neurosci 1996; 8: 324-334.
- 227. Guilmette TJ, Rasile D. Sensitivity, specificity, and diagnostic accuracy of three verbal memory measures in the assessment of mild brain injury. Neuropsychology 1995; 9: 338-344.
- 228. Gulbrandsen GB. Neuropsychological sequelae of light head injuries in older children 6 months after trauma. J Clin Neuropsychol 1984; 6: 257-268.
- 229. Guskiewicz KM, Perrin DH, Gansneder BM. Effect of mild head injury on postural stability in athletes. J Athl Training 1996; 31:
- 230. Guskiewicz KM, Riemann BL, Perrin DH, Nashner LM. Alternative approaches to the assessment of mild head injury in athletes. Med Sci Sports Exerc 1997; 29 (suppl 7): S213-S221.
- 231. Guterman H, Nehmadi Y, Chistyakov A, Soustiel J, Hafner H, Feinsod M. Classification of brain-stem trigeminal evoked potentials in multiple sclerosis, minor head injuries and post-concussion syndrome pathologies by similarity measurements. Int J Med Inf 2000; 60: 303-318.

- 232. Guthkelch AN. Posttraumatic amnesia, post-concussional symptoms and accident neurosis. Eur Neurol 1980; 19: 91-102.
- 233. Guyatt G, Straus S, McAlister F, Haynes B, Sinclair J, Devereaux PJ, et al. Incorporating patient values. In: Guyatt G, Rennie D, eds. Users' guides to the medical literature: a manual for evidencebased clinical practice. Chicago: AMA Press; 2002, p. 567-582.
- 234. Guyatt G, Hayward R, Richardson WS, Green L, Wilson M, Sinclair J. Moving from evidence to action. In: Guyatt G, Rennie D, eds. Users' guides to the medical literature: a manual for evidencebased clinical practice. Chicago: AMA Press; 2002, p. 175-199.
- 235. Guyatt GH, Sackett DL, Sinclair JC, Hayward R, Cook DJ, Cook RJ. Users' guides to the medical literature. IX. A method for grading health care recommendations. Evidence-Based Medicine Working Group [erratum appears in JAMA 1996; 275: 1232]. JAMA 1995; 274: 1800-1804.
- 236. Guyatt GH, Sinclair J, Cook DJ, Glasziou P. Users' guides to the medical literature: XVI. How to use a treatment recommendation. Evidence-Based Medicine Working Group and the Cochrane Applicability Methods Working Group. JAMA 1999; 281: 1836-1843.
- 237. Hadler NM. If you have to prove you are ill, you can't get well. The object lesson of fibromyalgia. Spine 1996; 21: 2397–2400.
- 238. Haland Y, Lovsund P, Nygren Å. Life-threatening and disabling injuries in car-to-car side impacts - implications for development of protective systems. Accid Anal Prev 1993; 25: 199-205.
- 239. Hall S, Bornstein RA. The relationship between intelligence and memory following minor or mild closed head injury: greater impairment in memory than intelligence. J Neurosurg 1991; 75: 378-381
- 240. Hall S, Bornstein RA. Serial-position effects in paragraph recall following mild closed-head injury. Percept Mot Skills 1991; 72: 1295-1298.
- 241. Hanlon RE, Demery JA, Martinovich Z, Kelly JP. Effects of acute injury characteristics on neurophysical status and vocational outcome following mild traumatic brain injury. Brain Inj 1999; 13: 873-887.
- 242. Harad FT, Kerstein MD. Inadequacy of bedside clinical indicators in identifying significant intracranial injury in trauma patients. J Trauma 1992; 32: 359-361.
- 243. Harvey AG, Bryant RA. Predictors of acute stress following mild traumatic brain injury. Brain Inj 1998; 12: 147-154.
- 244. Hauser WA, Tabaddor K, Factor PR, Finer C. Seizures and head injury in an urban community. Neurology 1984; 34: 746-751.
- 245. Havkins SB. Head, neck, face, and shoulder injuries in female and male rugby players. Phys Sportsmed 1986; 14: 111-118.
- 246. Hayward RS, Wilson MC, Tunis SR, Bass EB, Guyatt G. Users' guides to the medical literature. VIII. How to use clinical practice guidelines. A. Are the recommendations valid? The Evidence-Based Medicine Working Group. JAMA 1995; 274: 570-574.
- 247. Heilbronner RL, Henry GK, Carson-Brewer M. Neuropsychologic test performance in amateur boxers. Am J Sports Med 1991; 19: 376-380.
- 248. Hellerstein LF, Freed S, Maples WC. Vision profile of patients with mild brain injury. J Am Optom Assoc 1995; 66: 634-639.
- 249. Henry GK, Gross HS, Herndon CA, Furst CJ. Nonimpact brain injury: neuropsychological and behavioral correlates with consideration of physiological findings. Appl Neuropsychol 2000; 7:
- 250. Henry PC, Hauber RP, Rice M. Factors associated with closed head injury in a pediatric population. J Neurosci Nurs 1992; 24: 311-316.
- 251. Herrin J, Etchason JA, Kahan JP, Brook RH, Ballard DJ. Effect of panel composition on physician ratings of appropriateness of abdominal aortic aneurysm surgery: elucidating differences between multispecialty panel results and specialty society recommendations. Health Policy 1997; 42: 67-81.
- 252. Hestad K, Updike M, Selnes OA, Royal W. Cognitive sequelae of repeated head injury in a population of intravenous drug users. Scand J Psychol 1995; 36: 246-255.
- 253. High WM, Jr, Hall KM, Rosenthal M, Mann N, Zafonte R, Cifu DX, et al. Factors affecting hospital length of stay and charges following traumatic brain injury. J Head Trauma Rehabil 1996; 11:

- 254. Hillier SL, Hiller JE, Metzer J. Epidemiology of traumatic brain injury in South Australia. Brain Inj 1997; 11: 649-659.
- 255. Hinkle JL, Alves WM, Rimell RW, Jane JA. Restoring social competence in minor head-injury patients. J Neurosci Nurs 1986; 18: 268-271.
- 256. Hinton-Bayre AD, Geffen G, McFarland K. Mild head injury and speed of information processing: a prospective study of professional rugby league players. J Člin Exp Neuropsychol 1997; 19:
- 257. Hinton-Bayre AD, Geffen GM, Geffen LB, McFarland KA, Friis P. Concussion in contact sports: reliable change indices of impairment and recovery. J Clin Exp Neuropsychol 1999; 21: 70-86.
- 258. Hoffman RG, Scott JG, Emick MA, Adams RL. The MMPI-2 and closed-head injury: effects of litigation and head injury severity. J Forensic Neuropsychol 2002; 1: 3-13.
- 259. Honey CR. Brain injury in ice hockey. Clin J Sport Med 1998; 8: 43 - 46
- 260. Hugenholtz H, Richard MT. Return to athletic competition following concussion. Can Med Assoc J 1982; 127: 827-829.
- 261. Hugenholtz H, Izukawa D, Shear P, Li M, Ventureyra EC. Vomiting in children following head injury. Childs Nerv Syst 1987; 3: 266-270.
- 262. Hugenholtz H, Stuss DT, Stethem LL, Richard MT. How long does it take to recover from a mild concussion? Neurosurgery 1988; 22:
- 263. Hung C. The epidemiology of head injury in Hualien County, Taiwan. J Formos Med Assoc 1991; 90: 1227-1233.
- 264. Hutchinson PJ, Kirkpatrick PJ, Addison J, Jackson S, Pickard JD. The management of minor traumatic brain injury. J Accid Emerg Med 1998; 15: 84-88.
- 265. Ichise M, Chung DG, Wang P, Wortzman G, Gray BG, Franks W. Technetium-99m-HMPAO SPECT, CT and MRI in the evaluation of patients with chronic traumatic brain injury: a correlation with neuropsychological performance. J Nucl Med 1994; 35: 217-226.
- 266. Immordino FM. Management of minor head trauma. Bull Clin Neurosci 1986; 51: 81-88.
- 267. Ingebrigtsen T, Romner B. Serial S-100 protein serum measurements related to early magnetic resonance imaging after minor head injury. Case report. J Neurosurg 1996; 85: 945-948.
- 268. Ingebrigtsen T, Romner B. Routine early CT-scan is cost saving after minor head injury. Acta Neurol Scand 1996; 93: 207-210.
- 269. Ingebrigtsen T, Romner B. Management of minor head injuries in hospitals in Norway. Acta Neurol Scand 1997; 95: 51-55.
- 270. Ingebrigtsen T, Waterloo K, Marup-Jensen S, Attner E, Romner B. Quantification of post-concussion symptoms 3 months after minor head injury in 100 consecutive patients. J Neurol 1998; 245: 609-
- 271. Ingebrigtsen T, Waterloo K, Jacobsen EA, Langbakk B, Romner B. Traumatic brain damage in minor head injury: relation of serum S-100 protein measurements to magnetic resonance imaging and neurobehavioral outcome. Neurosurgery 1999; 45: 468-475.
- 272. Ingebrigtsen T, Romner B, Kock-Jensen C. Scandinavian guidelines for initial management of minimal, mild, and moderate head injuries. The Scandinavian Neurotrauma Committee. J Trauma 2000: 48: 760-766.
- 273. Institute of Medicine (U.S.) Committee to Advise the Public Health Service on Clinical Practice Guidelines. Field MJ, Lohr KN, eds. Clinical practice guidelines: directions for a new program. Washington, D.C.: National Academy Press; 1990.
- 274. Jackson S. Not so minor head injuries? Emerg Nurs 1995; 3: 19-22.
- 275. Jacobs A, Put E, Ingels M, Bossuyt A. Prospective evaluation of technetium-99m-HMPAO SPECT in mild and moderate traumatic brain injury. J Nucl Med 1994; 35: 942-947.
- 276. Jacobs A, Put E, Ingels M, Put T, Bossuyt A. One-year follow-up of technetium-99m-HMPAO SPECT in mild head injury. J Nucl Med 1996: 37: 1605-1609.
- 277. Jaffe KM, Massagli TL, Martin KM, Rivara JB, Fay GC, Polissar NL. Pediatric traumatic brain injury: acute and rehabilitation costs. Arch Phys Med Rehabil 1993; 74: 681-686.
- 278. Jakobsen J, Baadsgaard SE, Thomsen S, Henriksen PB. Prediction of post-concussional sequelae by reaction time test. Acta Neurol Scand 1987; 75: 341-345.

- 279. Jennett B, Bond M. Assessment of outcome after severe brain damage: a practical scale. Lancet 1975; 1: 480-484.
- 280. Jensen OK, Nielsen FF. The influence of sex and pre-traumatic headache on the incidence and severity of headache after head injury. Cephalalgia 1990; 10: 285-293.
- 281. Jensen MP, Karoly P, Braver S. The measurement of clinical pain intensity: a comparison of six methods. Pain 1986; 27: 117-126.
- 282. Johnston KM, Lassonde M, Ptito A. A contemporary neurosurgical approach to sport-related head injury: the McGill concussion protocol. J Am Coll Surg 2001; 192: 515-524.
- 283. Johnstone AJ, Lohlun JC, Miller JD, McIntosh CA, Gregori A, Brown R, et al. A comparison of the Glasgow Coma Scale and the Swedish Reaction Level Scale. Brain Inj 1993; 7: 501-506.
- 284. Jones JJ, Jeffreys RV. Relative risk of alternative admission policies for patients with head injuries. Lancet 1981; 2: 850–853.
- 285. Jordan FM, Cannon A, Murdoch BE. Language abilities of mildly closed head injured (CHI) children 10 years post-injury. Brain Inj 1992; 6: 39-44.
- 286. Juni P, Holenstein F, Sterne J, Bartlett C, Egger M. Direction and impact of language bias in meta-analyses of controlled trials: empirical study. Int J Epidemiol 2002; 31: 115-123.
- 287. Jnger EC, Newell DW, Grant GA, Avellino AM, Ghatan S, Douville CM, et al. Cerebral autoregulation following minor head injury. J Neurosurg 1997; 86: 425-432.
- 288. Jni P, Altman D, Egger M. Assessing the quality of randomised controlled trials. In: Egger M, Smith GD, Altman D, eds. Systematic reviews in health care: meta-analysis in context. London: BMJ Books; 2001, p. 87-108.
- 289. Kant R, Smith SL, Isaac G, Duffy J. Tc-HMPAO SPECT in persistent post-concussion syndrome after mild head injury: comparison with MRI/CT. Brain Inj 1997; 11: 115-124.
- 290. Karakk EI, Pasaoglu H, Pasaoglu A, Öktem S. Endogenous neuropeptides in patients with acute traumatic head injury. II: changes in the levels of cerebrospinal fluid substance P, serotonin and lipid peroxidation products in patients with head trauma. Neuropeptides 1997; 31: 259-263.
- 291. Karzmark P, Hall K, Englander J. Late-onset post-concussion symptoms after mild brain injury: the role of premorbid, injuryrelated, environmental, and personality factors. Brain Inj 1995; 9: 21 - 26.
- 292. Kay T, Cavallo MM, Ezrachi O, Vavagiakis P. The Head Injury Family Interview: a clinical and research tool. J Head Trauma Rehabil 1995; 10: 12-31.
- 293. Keller MS, Sartorelli KH, Vane DW. Associated head injury should not prevent nonoperative management of spleen or liver injury in children. J Trauma 1996; 41: 471-475.
- 294. Kelly JP, Rosenberg JH. Diagnosis and management of concussion in sports. Neurology 1997; 48: 575-580.
- 295. Kelly AB, Zimmerman RD, Snow RB, Gandy SE, Heier LA, Deck MD. Head trauma: comparison of MR and CT-experience in 100 patients. Am J Neuroradiol 1988; 9: 699-708.
- 296. Kelly JP, Rosenberg JH. Diagnosis and management of concussion in sports. Neurology 1997; 48: 575-580.
- 297. Kelly JP. Loss of consciousness: pathophysiology and implications in grading and safe return to play. J Athl Training 2001; 36: 249-
- 298. Keskil IS, Baykaner MK, eviker N, Kaymaz M. Assessment of mortality associated with mild head injury in the pediatric age group. Childs Nerv Syst 1995; 11: 467-473.
- 299. Kessels RPC, Verhagen WIM, van Luijtelaar ELJM. The whiplash syndrome: a psychophysiological and neuropsychological study towards attention. Acta Neurol Scand 1998; 97: 188-193.
- 300. Kessels RPC, Aleman A, Verhagen WIM. Cognitive functioning after whiplash injury: a meta-analysis. J Int Neuropsychol Soc 2000; 6: 271-278.
- 301. King NS. Emotional, neuropsychological, and organic factors: their use in the prediction of persisting postconcussion symptoms after moderate and mild head injuries. J Neurol Neurosurg Psychiatry 1996; 61: 75-81.
- 302. Kirby RL, Ackroyd-Stolarz SA, Brown MG, Kirkland SA, MacLeod DA. Wheelchair-related accidents caused by tips and falls among noninstitutionalized users of manually propelled

- wheelchairs in Nova Scotia. Am J Phys Med Rehabil 1994; 73:
- 303. Kischka U, Ettlin T, Heim S, Schmid G. Cerebral symptoms following whiplash injury. Eur Neurol 1991; 31: 136-140.
- 304. Klonoff H. Head injuries in children: predisposing factors accident conditions, accident proneness and sequelae. Am J Public Health 1971; 61: 2405-2417.
- 305. Knights RM, Ivan LP, Ventureyra EC, Bentivoglio C, Stoddart C, Winogron W, et al. The effects of head injury in children on neuropsychological and behavioural functioning. Brain Inj 1991; 5:
- 306. Kraus JF, Fife D, Ramstein K, Conroy C, Cox P. The relationship of family income to the incidence, external causes, and outcomes of serious brain injury, San Diego County, California. Am J Public Health 1986; 76: 1345–1347.
- 307. Kraus JF. Epidemiology of head injury. In: Cooper PR, ed. Head injury. 3rd edn. Baltimore: Williams Wilkins; 1993, p. 1-25.
- 308. Krauss JK, Tränkle R, Kopp KH. Posttraumatic movement disorders after moderate or mild head injury. Mov Disord 1997; 12: 428-431.
- 309. Kunz R, Oxman AD. The unpredictability paradox: review of empirical comparisons of randomised and non-randomised clinical trials. BMJ 1998; 317: 1185-1190.
- 310. Lahat E, Barr J, Klin B, Dvir Z, Bistrizer T, Eshel G. Postural stability by computerized posturography in minor head trauma. Pediatr Neurol 1996: 15: 299-301.
- 311. Lahz S, Bryant RA. Incidence of chronic pain following traumatic brain injury. Arch Phys Med Rehabil 1996; 77: 889-891.
- 312. Langley JD, Silva PA, Williams SM. Primary school accidents. N Z Med J 1981; 94: 336-339.
- 313. Lansky D, Butler JB, Waller FT. Using health status measures in the hospital setting: from acute care to 'outcomes management'. Med Care 1992; 30 (suppl 5): MS57-MS73.
- 314. Lanzi G, Balottin U, Borgatti R, de Agostini G, Pezzotta S, Spanu G. Late post-traumatic headache in pediatric age. Cephalalgia 1985; 5: 211-215.
- 315. Lavelle JM, Shaw KN. Evaluation of head injury in a pediatric emergency department: pretrauma and posttrauma system. Arch Pediatr Adolesc Med 1998; 152: 1220-1224.
- 316. Lawler KA, Terregino CA. Guidelines for evaluation and education of adult patients with mild traumatic brain injuries in an acute care hospital setting. J Head Trauma Rehabil 1996; 11: 18-28.
- 317. Leathem JM, Body CM. Neuropsychological sequelae of head injury in a New Zealand adolescent sample. Brain Inj 1997; 11: 565-575.
- 318. LeBlanc KE. Concussions in athletics: guidelines for return to sport. J Louisiana St Med Soc 1998; 150: 312-317.
- 319. Lee KS, Bae WK, Park YT, Yun IG. The pathogenesis and fate of traumatic subdural hygroma. Br J Neurosurg 1994; 8: 551-558.
- 320. Lee ST, Lui TN, Chang CN, Wang DJ, Heimburger RF, Fai HD. Features of head injury in a developing country - Taiwan (1977-1987). J Trauma 1990; 30: 194-199.
- 321. Lees-Haley PR, Brown RS. Neuropsychological complaint base rates of 170 personal injury claimants. Arch Clin Neuropsychol 1993; 8: 203-209.
- 322. Leininger BE, Gramling SE, Farrell AD, Kreutzer JS, Peck EA. Neuropsychological deficits in symptomatic minor head injury patients after concussion and mild concussion. J Neurol Neurosurg Psychiatry 1990; 53: 293-296.
- 323. Leininger BE, Kreutzer JS, Hill MR. Comparison of minor and severe head injury emotional sequelae using the MMPI. Brain Inj 1991; 5: 199-205.
- 324. Levin HS, O'Donnell VM, Grossman RG. The Galveston Orientation and Amnesia Test. A practical scale to assess cognition after head injury. J Nerv Ment Dis 1979; 167: 675-684.
- 325. Levin HS, Amparo E, Eisenberg HM, Williams DH, High WM, Jr, McArdle CB, et al. Magnetic resonance imaging and computerized tomography in relation to the neurobehavioral sequelae of mild and moderate head injuries. J Neurosurg 1987; 66: 706-713.
- 326. Levin HS, Mattis S, Ruff RM, Eisenberg HM, Marshall LF, Tabaddor K, et al. Neurobehavioral outcome following minor head injury: a three-center study. J Neurosurg 1987; 66: 234-243.

- 327. Levin HS. Treatment of postconcussional symptoms with CDPcholine. J Neurol Sci 1991; 103 (suppl): S39-S42.
- 328. Levin HS, Fletcher JM, Kusnerik L, Kufera JA, Lilly MA, Duffy FF, et al. Semantic memory following pediatric head injury: relationship to age, severity of injury, and MRI. Cortex 1996; 32: 461 - 478
- 329. Levin HS, Song J, Scheibel RS, Fletcher JM, Harward H, Lilly M, et al. Concept formation and problem-solving following closed head injury in children. J Int Neuropsychol Soc 1997; 3: 598-607.
- 330. Levitt MA, Cook LA, Simon BC, Williams V. Biochemical markers of cerebral injury in patients with minor head trauma and ethanol intoxication. Acad Emerg Med 1995; 2: 675-680.
- 331. Levitt MA, Sutton M, Goldman J, Mikhail M, Christopher T. Cognitive dysfunction in patients suffering minor head trauma. Am J Emerg Med 2002; 12: 172-175.
- 332. Lidvall HF, Linderoth B, Norlin B. Causes of the post-concussional syndrome: X. Questionnaires. Acta Neurol Scand 1974; 50 (suppl 56): 72-84.
- 333. Liguori G, Foggia L, Buonaguro A, Colucci M, Cantone G, Ambrosio A. EEG findings in minor head trauma as a clue for indication to CT scan. Childs Nerv Syst 1989; 5: 160-162.
- 334. Livingston DH, Loder PA, Hunt CD. Minimal head injury: is admission necessary? Am Surg 1991; 57: 14-17.
- 335. Livingston DH, Loder PA, Koziol J, Hunt CD. The use of CT scanning to triage patients requiring admission following minimal head injury. J Trauma 1991; 31: 483-487.
- 336. Loeser JD, Henderlite SE, Conrad DA. Incentive effects of workers' compensation benefits: a literature synthesis. Med Care Res Rev 1995; 52: 34-59.
- 337. Loroni L, Ciucci G, Piccinini G, Cuscini M, Scorza P, Piola C, et al. Approach to head trauma in childhood in a district general hospital. Eur J Emerg Med 1996; 3: 141-148.
- 338. Lowe HJ, Barnett GO. Understanding and using the Medical Subject Headings (MeSH) Vocabulary to perform literature searchers. JAMA 1994; 271: 1103-1107.
- 339. Lundar T, Nestvold K. Pediatric head injuries caused by traffic accidents. A prospective study with 5-year follow-up. Childs Nerv Syst 1985; 1: 24-28.
- 340. Macciocchi SN, Barth JT, Littlefield LM. Outcome after mild head injury. Clin Sports Med 1998; 17: 27-36.
- 341. MacFlynn G, Montgomery EA, Fenton GW, Rutherford W. Measurement of reaction time following minor head injury. J Neurol Neurosurg Psychiatry 1984; 47: 1326-1331.
- 342. MacLaren RE, Ghoorahoo HI, Kirby NG. Skull X-ray after head injury: the recommendations of the Royal College of Surgeons Working Party report in practice. Arch Emerg Med 1993; 10: 138-
- 343. Maddocks DL, Dicker GD. An objective measure of recovery from concussion in Australian rules footballers. Sport Health 1989; 7 (suppl): 6-7.
- 344. Mahon D, Elger C. Analysis of posttraumatic syndrome following a mild head injury. J Neurosci Nurs 1989; 21: 382-384.
- 345. Maio T, Dwyer WA, Jr. Cerebral concussion: an area-wide survey of clinical experience with 467 cases. J Med Soc N J 1980; 77: 637-
- 346. Mallinson AI, Longridge NS. Dizziness from whiplash and head injury: differences between whiplash and head injury. Am J Otol 1998; 19: 814-818.
- 347. Mallinson AI, Longridge NS. Specific vocalized complaints in whiplash and minor head injury patients. Am J Otol 1998; 19: 809-
- 348. Mandera M, Wencel T, Bazowski P, Krauze J. How should we manage children after mild head injury? Childs Nerv Syst 2000; 16: 156-160.
- 349. Margolis KL, Kerani RP, McGovern P, Songer T, Cauley JA, Ensrud KE, Risk factors for motor vehicle crashes in older women. J Geront A Biol Sci Med Sci 2002; 57: M186-M191.
- 350. Margolis RB, Tait RC, Krause SJ. A rating system for use with patient pain drawings. Pain 1986; 24: 57-65.
- 351. Marottoli RA, Cooney LM, Jr, Wagner R, Doucette J, Tinetti ME. Predictors of automobile crashes and moving violations among elderly drivers. Ann Intern Med 1994; 121: 842-846.

- 353. Marshall LF, Toole BM, Bowers SA. The National Traumatic Coma Data Bank. Part 2: patients who talk and deteriorate: implications for treatment. J Neurosurg 1983; 59: 285–288.
- 354. Martin RC, Hayes JS, Gouvier WD. Differential vulnerability between postconcussion self-report and objective malingering tests in identifying simulated mild head injury. J Clin Exp Neuropsychol 1996; 18: 265–275.
- 355. Masdeu JC, Van Heertum R, Kleiman A, Anselmi G, Kissane K, Horng J, et al. Early single-photon emission computed tomography in mild head trauma. A controlled study. J Neuroimaging 1994; 4: 177–181.
- Masters SJ. Evaluation of head trauma: efficacy of skull films. Am J Roentgenol 1980; 135: 539–547.
- Mathias JL, Coats JL. Emotional and cognitive sequelae to mild traumatic brain injury. J Clin Exp Neuropsychol 1999; 21: 200– 215.
- 358. Max JE, Dunisch DL. Traumatic brain injury in a child psychiatry outpatient clinic: a controlled study. J Am Acad Child Adolesc Psychiatry 1997; 36: 404–411.
- 359. Max JE, Lindgren SD, Robin DA, Smith WL, Jr, Sato Y, Mattheis PJ, et al. Traumatic brain injury in children and adolescents: psychiatric disorders in the second three months. J Nerv Ment Dis 1997; 185: 394–401.
- 360. Max JE, Lindgren SD, Knutson C, Pearson CS, Ihrig D, Welborn A. Child and adolescent traumatic brain injury: psychiatric findings from a paediatric outpatient specialty clinic. Brain Inj 1997; 11: 699–711.
- 361. Max JE, Koele SL, Lindgren SD, Robin DA, Smith WL, Jr, Sato Y, et al. Adaptive functioning following traumatic brain injury and orthopedic injury: a controlled study. Arch Phys Med Rehabil 1998; 79: 893–899.
- May C, Morabito D. Motorcycle helmet use, incidence of head injury, and cost of hospitalization. J Emerg Nurs 1989; 15: 389– 392.
- 363. Mayou R, Bryant B. Outcome in consecutive emergency department attenders following a road traffic accident. Br J Psychiatry 2001; 179: 528–534.
- 364. Mayr J, Gaisl M, Purtscher K, Noeres H, Schimpl G, Fasching G. Baby walkers – an underestimated hazard for our children? Eur J Pediatr 1994; 153: 531–534.
- 365. Mayr J, Russe O, Spitzer P, Mayr KM, Höllwarth ME. Playground accidents. Acta Paediatr 1995; 84: 573–576.
- 366. Mazaux JM, Masson F, Levin HS, Alaoui P, Maurette P, Barat M. Long-term neuropsychological outcome and loss of social autonomy after traumatic brain injury. Arch Phys Med Rehabil 2001; 78: 1316–1320.
- Mazzucchi A, Cattelani R, Missale G, Gugliotta M, Brianti R, Parma M. Head-injured subjects aged over 50 years: correlations between variables of trauma and neuropsychological follow-up. J Neurol 1992; 239: 256–260.
- 368. McAllister TW, Saykin AJ, Flashman LA, Sparling MB, Johnson SC, Guerin SJ, et al. Brain activation during working memory 1 month after mild traumatic brain injury: a functional MRI study. Neurology 1999; 53: 1300–1308.
- McCrea M, Kelly JP, Kluge J, Ackley B, Randolph C. Standardized assessment of concussion in football players. Neurology 1997; 48: 586–588.
- McCrea M, Kelly JP, Randolph C, Kluge J, Bartolic E, Finn G, et al. Standardized Assessment of Concussion (SAC): on-site mental status evaluation of the athlete. J Head Trauma Rehabil 2000; 13:
- 371. McCrory PR, Bladin PF, Berkovic SF. Retrospective study of concussive convulsions in elite Australian rules and rugby league footballers: phenomenology, aetiology, and outcome. BMJ 1997; 314: 171–174.
- 372. McCrory PR. Were you knocked out? A team physician's approach to initial concussion management. Med Sci Sports Exerc 1997; 29 (suppl 7): S207–S212.
- 373. McCullagh S, Ouchterlony D, Protzner A, Blair N, Feinstein A. Prediction of neuropsychiatric outcome following mild trauma

- brain injury: an examination of the Glasgow Coma Scale. Brain Inj 2001; 15: 489–497.
- McDermott FT, Klug GL. Differences in head injuries of pedal cyclist and motorcyclist casualties in Victoria. Med J Aust 1982; 2: 30–32.
- 375. McDonald TW, Franzen MD. A validity study of the WAIT in closed head injury. Brain Inj 1999; 13: 331–346.
- 376. McHorney CA, Ware JE, Jr, Raczek AE. The MOS 36-Item Short-Form Health Survey (SF-36): II. Psychometric and clinical tests of validity in measuring physical and mental health constructs. Med Care 1993; 31: 247–263.
- 377. McKenna S, Borman B, Findlay J, de Boer M. Sports injuries in New Zealand. N Z Med J 1986; 99: 899–901.
- 378. McKinlay A, Dalrymple-Alford JC, Horwood LJ, Fergusson DM. Long term psychosocial outcomes after mild head injury in early childhood. J Neurol Neurosurg Psychiatry 2002; 73: 281–288.
- 379. McKinlay A, Dalrymple-Alford JC, Horwood LJ, Fergusson DM. Pre-injury and other non-specific factors do not explain adverse psychosocial development associated with childhood mild head injury [abstract]. Brain Inj 2003; 17 (suppl 1): 39.
- 380. McNally E, de Lacey G, Lovell P, Welch T. The effect on patients of non-referral for skull radiography following mild head injury. Injury 1996; 27: 429–431.
- Mercado AC, Carroll LJ, Cassidy JD, Côté P. Coping with neck and low back pain in the general population. Health Psychol 2000; 19: 333–338.
- Merikangas KR, Angst J. Post-traumatic headache in the Swiss male cohort study. Schweiz Arch Neurol Psychiatrie 1996; 147: 105–108.
- Meyers JE, Volbrecht M. Validation of reliable digits for detection of malingering. Assessment 1998; 5: 303–307.
- Middelboe T, Andersen HS, Birket-Smith M, Friis ML. Psychiatric sequelae of minor head injury: a prospective follow-up study. Eur Psychiatry 1992; 7: 183–189.
- Middelboe T, Birket-Smith M, Andersen HS, Friis ML. Personality traits in patients with postconcussional sequelae. J Personal Disord 1992; 6: 246–255.
- Middleboe T, Andersen HS, Birket-Smith M, Friis ML. Minor head injury: impact on general health after 1 year. A prospective followup study. Acta Neurol Scand 1992; 85: 5–9.
- 387. Millis SR. Assessment of motivation and memory with the Recognition Memory Test after financially compensable mild head injury. J Clin Psychol 1994; 50: 601–605.
- 388. Millis SR, Putnam SH. The Recognition Memory Test in the assessment of memory impairment after financially compensable mild head injury: a replication. Percept Mot Skills 1994; 79: 384–386
- Millis SR. The Recognition Memory Test in the detection of malingered and exaggerated memory deficits. Clin Neuropsychol 1992; 6: 406–414.
- Minderhoud JM, Boelens ME, Huizenga J, Saan RJ. Treatment of minor head injuries. Clin Neurol Neurosurg 1980; 82: 127–140.
- Mitchell KA, Fallat ME, Raque GH, Hardwick VG, Groff DB, Nagaraj HS. Evaluation of minor head injury in children. J Pediatr Surg 1994; 29: 851–854.
- 392. Mittenberg W, DiGiulio DV, Perrin S, Bass AE. Symptoms following mild head injury: expectation as aetiology. J Neurol Neurosurg Psychiatry 1992; 55: 200–204.
- Mittenberg W, Wittner MS, Miller LJ. Postconcussion syndrome occurs in children. Neuropsychology 1997; 11: 447–452.
- 394. Mizrahi EM, Kellaway P. Cerebral concussion in children: assessment of injury by electroencephalography. Pediatrics 1984; 73: 419–425
- Mohanty SK, Thompson W, Rakower S. Are CT scans for head injury patients always necessary? J Trauma 1991; 31: 801–804.
- 396. Montgomery EA, Fenton GW, McClelland RJ, MacFlynn G, Rutherford WH. The psychobiology of minor head injury. Psychol Med 1991; 21: 375–384.
- Mooney G, Speed J. The association between mild traumatic brain injury and psychiatric conditions. Brain Inj 2001; 15: 865–877.
- Moran SG, McCarthy MC, Uddin DE, Poelstra RJ. Predictors of positive CT scans in the trauma patient with minor head injury. Am Surg 1994; 60: 533–535.

- 399. Murgio A, Andrade FA, Sanchez Munz MA, Boetto S, Leung KM. International Multicenter Study of Head Injury in Children. ISHIP Group. Childs Nerv Syst 1999; 15: 318-321.
- 400. Murphy MK, Black NA, Lamping DL, McKee CM, Sanderson CF, Askham J, et al. Consensus development methods, and their use in clinical guideline development. Health Technol Assess 1998; 2: 1-
- 401. Murshid WR. Role of skull radiography in the initial evaluation of minor head injury: a retrospective study. Acta Neurochir Wien 1994; 129: 11-14.
- 402. Murshid WR. Management of minor head injuries: admission criteria, radiological evaluation and treatment of complications. Acta Neurochir Wien 1998; 140: 56-64.
- 403. Mussack T, Biberthaler P, Wiedemann E, Kanz KG, Englert A, Gippner-Steppert C, et al. S-100b as a screening marker of the severity of minor head trauma (MHT) - a pilot study. Acta Neurochir (suppl) 2000; 76: 393-396.
- 404. Mutter SA, Howard JH, Jr, Howard DV. Serial pattern learning after head injury. J Clin Exp Neuropsychol 1994; 16: 271–288.
- 405. Mutter SA, Howard DV, Howard JH, Wiggs CL. Performance on direct and indirect tests of memory after mild closed head injury. Cognit Neuropsychol 1990; 7: 329–346.
- 406. Nell V, Yates DW, Kruger J. An extended Glasgow Coma Scale (GCS-E) with enhanced sensitivity to mild brain injury. Arch Phys Med Rehabil 2000; 81: 614-617.
- 407. Nelson WE, Jane JA, Gieck JH. Minor head injury in sports: a new system of classification and management. Phys Sportsmed 1984; 12: 103-107.
- 408. Newcombe F, Rabbitt P, Briggs M. Minor head injury: pathophysiological or iatrogenic sequelae? J Neurol Neurosurg Psychiatry 1994; 57: 709-716.
- 409. Nordby HK, Urdal P, Bjørnaes H. The prognosis of patients with concussion and increased creatine kinase BB in the cerebrospinal fluid. Acta Neurochir Wien 1984; 71: 205-215.
- 410. Norton R, Wilson M. Rugby league injuries and patterns. N Z J Sports Med 1995; 22: 37-38.
- 411. O'Brien B, Drummond M, Richardson WS, Levine M, Heyland D, Guyatt G. Economic analysis. In: Guyatt G, Rennie D, eds. Users' guides to the medical literature: a manual for evidence-based clinical practice. Chicago: AMA Press; 2002, p. 621-644.
- 412. Ogden JA, Wolfe M. Recovery from the post-concussional syndrome: a preliminary study comparing young and middleaged adults. Neuropsychol Rehabil 1998; 8: 413-431.
- 413. Overweg-Plandsoen WC, Kodde A, van Straaten M, van der Linden EA, Neyens LG, Aldenkamp AP, et al. Mild closed head injury in children compared to traumatic fractured bone; neurobehavioural sequelae in daily life 2 years after the accident. Eur J Pediatr 1999; 158: 249-252.
- 414. Oxman AD, Guyatt GH. Validation of an index of the quality of review articles. J Clin Epidemiol 1991; 44: 1271-1278.
- 415. Oxman AD, Guyatt GH. The science of reviewing research. Ann N Y Acad Sci 1993; 703: 125-133.
- 416. Oxman AD. Checklists for review articles. BMJ 1994; 309: 648-
- 417. Oxman AD, Thomson MA, Davis DA, Haynes RB. No magic bullets: a systematic review of 102 trials of interventions to improve professional practice. Can Med Assoc J 1995; 153: 1423-
- 418. Oxman AD, Flottorp S. An overview of strategies to promote implemention of evidence based health care. In: Silagy C, Haines A, eds. Evidence based practice in primary care. 2nd edn. London: BMJ Publishers; 2001, p. 101–119.
- 419. Oxman AD, Guyatt G, Cook D, Montori V. Summarizing the evidence. In: Guyatt G, Rennie D, eds. Users' guides to the medical literature: a manual for evidence-based clinical practice. Chicago: AMA Press; 2002, p. 155-173.
- 420. Pal J, Brown R, Fleiszer D. The value of the Glasgow Coma Scale and Injury Severity Score: predicting outcome in multiple trauma patients with head injury. J Trauma 1989; 29: 746-748.
- 421. Papathanasopoulos P, Konstantinou D, Flaburiari K, Bezerianos A, Papadakis N, Papapetropoulos T. Pattern reversal visual evoked potentials in minor head injury. Eur Neurol 1994; 34: 268-271.
- 422. Parker RS, Rosenblum A. IQ loss and emotional dysfunctions after

- mild head injury incurred in a motor vehicle accident. J Clin Psychol 1996; 52: 32-43.
- 423. Parkinson D, Stephensen S, Phillips S. Head injuries: a prospective, computerized study. Can J Surg 1985; 28: 79-83.
- 424. Parsley J, Fletcher L, Mabrook AF. Head injury instructions: a time to unify. J Accid Emerg Med 1997; 14: 238-239.
- 425. Parsons LC, Ver Beek D. Sleep-awake patterns following cerebral concussion. Nurs Res 1982; 31: 260-264.
- 426. Pelco L, Sawyer M, Duffield G, Prior M, Kinsella G. Premorbid emotional and behavioural adjustment in children with mild head injuries. Brain Inj 1992; 6: 29-37.
- 427. Peloso PM, Carroll LJ, Cassidy JD, Borg J, von Holst H, Holm L, et al. A critical evaluation of existing guidelines on mild traumatic brain injury. J Rehabil Med 2004; (suppl 43): 106-112.
- 428. Perlis ML, Artiola L, Giles DE. Sleep complaints in chronic postconcussion syndrome. Percept Mot Skills 1997; 84: 595-599.
- 429. Pettersson M, Lorentzon R. Ice hockey injuries: a 4-year prospective study of a Swedish elite ice hockey team. Br J Sports Med 1993; 27: 251-254.
- 430. Phillips JP, Jones HM, Hitchcock R, Adama N, Thompson RJ. Radioimmunoassay of serum creatine kinase BB as index of brain damage after head injury. BMJ 1980; 281: 777-779.
- 431. Phillips RC, Lansky DJ. Outcomes management in heart valve replacement surgery: early experience. J Heart Valve Dis 1992; 1:
- 432. Phuenpathom N, Choomuang M, Ratanalert S. Outcome and outcome prediction in acute subdural hematoma. Surg Neurol 1993: 40: 22-25.
- 433. Pillay R, Peter JC. Extradural haematomas in children. S Afr Med J 1995; 85: 672-674.
- 434. Podoshin L, Ben DY, Fradis M, Pratt H, Sharf B, Schwartz M. Brainstem auditory evoked potential with increased stimulus rate in minor head trauma. J Laryngol Otol 1990; 104: 191-194.
- 435. Poon WS, Rehman SU, Poon CY, Li AK. Traumatic extradural hematoma of delayed onset is not a rarity. Neurosurgery 1992; 30: 681-686.
- 436. Powell TJ, Collin C, Sutton K. A follow-up study of patients hospitalized after minor head injury. Disabil Rehabil 1996; 18: 231-237.
- 437. Prall JA, Winston KR, Brennan R. Severe snowboarding injuries. Injury 1995; 26: 539-542.
- 438. Pratap CR, Sinniah M, Salem FA. Cognitive evoked potential (P300): a metric for cerebral concussion. Acta Neurol Scand 1988; 78: 185-189.
- 439. Radanov BP, Hirlinger I, Di Stefano G, Valach L. Attentional processing in cervical spine syndromes. Acta Neurol Scand 1992; 85: 358-362.
- 440. Radanov BP, Dvorak J, Valach L. Cognitive deficits in patients after soft tissue injury of the cervical spine. Spine 1992; 17: 127-
- 441. Radanov BP, Di Stefano G, Schnidrig A, Sturzenegger M. Psychosocial stress, cognitive performance and disability after common whiplash. J Psychosom Res 1993; 37: 1-10.
- 442. Radanov BP, Dvorak J. Spine update. Impaired cognitive functioning after whiplash injury of the cervical spine. Spine 1996; 21: 392-397.
- 443. Raskin SA. The relationship between sexual abuse and mild traumatic brain injury. Brain Inj 1997; 11: 587-603.
- 444. Rasmusson DX, Brandt J, Martin DB, Folstein MF. Head injury as a risk factor in Alzheimer's disease. Brain Inj 1995; 9: 213-219.
- 445. Rayls KR, Mittenberg W, Burns WJ, Theroux S. Prospective study of the MMPI-2 correction factor after mild head injury. Clin Neuropsychol 2000; 14: 546-550.
- 446. Read HS, Johnstone AJ, Scobie WG. Skull fractures in children: altered conscious level is the main indication for urgent CT scanning. Injury 1995; 26: 333-334.
- 447. Reid SR, Losek JD. Factors associated with significant injuries in youth ice hockey players. Pediatr Emerg Care 1999; 15: 310-313.
- 448. Reitan RM, Wolfson D. The two faces of mild head injury. Arch Clin Neuropsychol 1999; 14: 191-202.
- 449. Riesgo P, Piquer J, Botella C, Orozco M, Navarro J, Cabanes J. Delayed extradural hematoma after mild head injury: report of three cases. Surg Neurol 1997; 48: 226-231.

- 450. Rimel RW, Giordani B, Barth JT, Boll TJ, Jane JA. Disability caused by minor head injury. Neurosurgery 1981; 9: 221–228.
- 451. Rivara F, Tanaguchi D, Parish RA, Stimac GK, Mueller B. Poor prediction of positive computed tomographic scans by clinical criteria in symptomatic pediatric head trauma. Pediatrics 1987; 80: 579–584.
- 452. Rivara JB, Jaffe KM, Polissar NL, Fay GC, Martin KM, Shurtleff HA, et al. Family functioning and children's academic performance and behavior problems in the year following traumatic brain injury. Arch Phys Med Rehabil 1994; 75: 369–379.
- 453. School based driver education for the prevention of traffic crashes [computer program]. Oxford: Update Software; 2003.
- 454. Roberts MA, Verduyn WH, Manshadi FF, Hines ME. Episodic symptoms in dysfunctioning children and adolescents following mild and severe traumatic brain injury. Brain Inj 1996; 10: 739– 747
- Roberts WO, Brust JD, Leonard B, Hebert BJ. Fair-play rules and injury reduction in ice hockey. Arch Pediatr Adolesc Med 1996; 150: 140–145.
- 456. Robertson E, Rath B, Fournet G, Zelhart P. Assessment of mild brain trauma: a preliminary study of the influence of premorbid factors. Clin Neuropsychol 1994; 8: 69–74.
- 457. Robin DA, Max JE, Stierwalt JAG, Guenzer LC, Lindgren SD. Sustained attention in children and adolescents with traumatic brain injury. Aphasiology 1999; 13: 701–708.
- 458. Roddy SP, Cohn SM, Moller BA, Duncan CC, Gosche JR, Seashore JH, et al. Minimal head trauma in children revisited: is routine hospitalization required? Pediatrics 1998; 101: 575–577.
- 459. Ros SP, Ros MA. Should patients with normal cranial CT scans following minor head injury be hospitalized for observation? Pediatr Emerg Care 1989; 5: 216–218.
- 460. Ros SP, Cetta F. Are skull radiographs useful in the evaluation of asymptomatic infants following minor head injury? Pediatr Emerg Care 1992; 8: 328–330.
- Rosenørn J, Duus B, Nielsen K, Kruse K, Boesen T. Is a skull X-ray necessary after milder head trauma? Br J Neurosurg 1991; 5: 135– 139
- 462. Rothman KJ, Greenland S. Modern epidemiology. 2nd edn. Philadelphia: Lippincott-Raven; 1998.
- 463. Roy CW, Pentland B, Miller JD. The causes and consequences of minor head injury in the elderly. Injury 1986; 17: 220–223.
- 464. Ruff RM, Jurica P. In search of a unified definition for mild traumatic brain injury. Brain Inj 1999; 13: 943–952.
- 465. Ruffolo CF, Friedland JF, Dawson DR, Colantonio A, Lindsay PH. Mild traumatic brain injury from motor vehicle accidents: factors associated with return to work. Arch Phys Med Rehabil 1999; 80: 392–398.
- 466. Ruffolo LF, Guilmette TJ, Willis WG. Comparison of time and error rates on the trail making test among patients with head injuries, experimental malingerers, patients with suspect effort on testing and normal controls. Clin Neuropsychol 2002; 14: 223–230.
- 467. Ruijs MB, Gabreëls FJ, Keyser A. The relation between neurological trauma parameters and long-term outcome in children with closed head injury. Eur J Pediatr 1993; 152: 844–847.
- 468. Ruijs MB, Gabreëls FJ, Thijssen HM. The utility of electroencephalography and cerebral computed tomography in children with mild and moderately severe closed head injuries. Neuropediatrics 1994; 25: 73–77.
- 469. Sackett DL, Haynes RB, Guyatt GH, Tugwell P. Clinical epidemiology: a basic science for clinical medicine. 2nd edn. Boston: Little, Brown and Company; 1991.
- 470. Sackett DL, Oxman AD. Guidelines and killer B's. Evid Based Med 1999; 4: 100–101.
- Sackett DL, Haynes RB. The architecture of diagnostic research. BMJ 2002; 324: 539–541.
- Sakas DE, Whitwell HL. Neurological episodes after minor head injury and trigeminovascular activation. Med Hypotheses 1997; 48: 431–435.
- 473. Sander AM, Witol AD, Kreutzer JS. Alcohol use after traumatic brain injury: concordance of patients' and relatives' reports. Arch Phys Med Rehabil 1997; 78: 138–142.
- 474. Saskatchewan Government Insurance. Saskatchewan traffic acci-

- dent facts. Regina (SK): Saskatchewan Government Insurance; 1996
- 475. Saskatchewan Health. Health insurance registration: covered population. Regina (SK): Saskatchewan Health; 1995.
- 476. Satz P, Zaucha K, McCleary C, Light R, Asarnow R, Becker D. Mild head injury in children and adolescents: a review of studies (1970–1995). Psychol Bull 1997; 122: 107–131.
- 477. Satz PS, Alfano MS, Light RF, Morgenstern HF, Zaucha KF, Asarnow RF, et al. Persistent post-concussive syndrome: a proposed methodology and literature review to determine the effects, if any, of mild head and other bodily injury. J Clin Exp Neuropsychol 1999; 21: 620–628.
- 478. Savoie I, Kazanjian A, Bassett K. Do clinical practice guidelines reflect research evidence? J Health Serv Res Policy 2000; 5: 76–82.
- 479. Saywell RM, Jr, Woods JR, Rappaport SA, Allen TL. The value of age and severity as predictors of costs in geriatric head trauma patients. J Am Geriatr Soc 1989; 37: 625–630.
- Sbordone RJ, Liter JC. Mild traumatic brain injury does not produce post-traumatic stress disorder. Brain Inj 1995; 9: 405–412.
- 481. Schelp L, Ekman R. Road traffic accidents in a Swedish municipality. Public Health 1990; 104: 55-64.
- 482. Schmand B, Lindeboom J, Schagen S, Heijt R, Koene T, Hamburger HL. Cognitive complaints in patients after whiplash injury: the impact of malingering. J Neurol Neurosurg Psychiatry 1998: 64: 339–343.
- 483. Schoenhuber R, Bortolotti P, Malavasi P, Marzolini S, Tonelli L, Merli GA. Brain stem auditory evoked potentials in early evaluation of cerebral concussion. J Neurosurg Sci 1983; 27: 157–159.
- 484. Schoenhuber R, Gentilini M. Auditory brain stem responses in the prognosis of late postconcussional symptoms and neuropsychological dysfunction after minor head injury. Neurosurgery 1986; 19: 532–534.
- 485. Schoenhuber R, Gentilini M, Scarano M, Bortolotti P. Longitudinal study of auditory brain-stem response in patients with minor head injuries. Arch Neurol 1987; 44: 1181–1182.
- 486. Schoenhuber R, Gentilini M, Orlando A. Prognostic value of auditory brain-stem responses for late postconcussion symptoms following minor head injury. J Neurosurg 1988; 68: 742–744.
- 487. Schunk JE, Rodgerson JD, Woodward GA. The utility of head computed tomographic scanning in pediatric patients with normal neurologic examination in the emergency department. Pediatr Emerg Care 1996; 12: 160–165.
- 488. Schynoll W, Overton D, Krome R, Wesolowski D, Wang AM, Wilson A, et al. A prospective study to identify high-yield criteria associated with acute intracranial computed tomography findings in head-injured patients. Am J Emerg Med 1993; 11: 321–326.
- 489. Segalowitz SJ, Brown D. Mild head injury as a source of developmental disabilities. J Learn Disabil 1991; 24: 551–559.
- Segalowitz SJ, Lawson S. Subtle symptoms associated with selfreported mild head injury. J Learn Disabil 1995; 28: 309–319.
- 491. Sekino H, Nakamura N, Yuki K, Satoh J, Kikuchi K, Sanada S. Brain lesions detected by CT scans in cases of minor head injuries. Neurol Med Chir Tokyo 1981; 21: 677–683.
- Servadei F, Bastianelli S, Naccarato G, Staffa G, Morganti G, Gaist G. Epidemiology and sequelae of head injury in San Marino Republic. J Neurosurg Sci 1985; 29: 297–303.
- 493. Servadei F, Ciucci G, Pagano F, Rebucci GG, Ariano M, Piazza G, et al. Skull fracture as a risk factor of intracranial complications in minor head injuries: a prospective CT study in a series of 98 adult patients. J Neurol Neurosurg Psychiatry 1988; 51: 526–528.
- 494. Servadei F, Faccani G, Roccella P, Seracchioli A, Godano U, Ghadirpour R, et al. Asymptomatic extradural haematomas. Results of a multicenter study of 158 cases in minor head injury. Acta Neurochir Wien 1989; 96: 39–45.
- 495. Servadei F, Vergoni G, Nasi MT, Staffa G, Donati R, Arista A. Management of low-risk head injuries in an entire area: results of an 18-month survey. Surg Neurol 1993; 39: 269–275.
- 496. Servadei F, Ciucci G, Loroni L, Cuscini M, Piola C, Arista A. Diagnosis and management of minor head injury: a regional multicenter approach in Italy. J Trauma 1995; 39: 696–701.
- 497. Servadei F, Vergoni G, Staffa G, Zappi D, Nasi MT, Donati R, et al. Extradural haematomas: how many deaths can be avoided?

- Protocol for early detection of haematoma in minor head injuries. Acta Neurochir Wien 1995; 133: 50-55.
- 498. Shaneyfelt TM, Mayo-Smith MF, Rothwangl J. Are guidelines following guidelines? The methodological quality of clinical practice guidelines in the peer-reviewed medical literature. JAMA 1999; 281: 1900-1905.
- 499. Sharma M, Sharma AK. Mode, presentation, CT findings and outcome of pediatric head injury. Indian Pediatr 1994; 31: 733-
- 500. Shawdon A, Brukner P. Injury profile of amateur Australian rules footballers. Aust J Sci Med Sport 1994; 26: 59-61.
- 501. Sillanpää M, Terho P, Westerén H, Pisirici H. Accidents in schoolchildren: epidemiologic, aetiologic and prognostic considerations. Acta Paediatr Hung 1983; 24: 119-130.
- 502. Sinclair SJ, Hogg-Johnson SH, Mondloch MV, Shields SA. The effectiveness of an early active intervention program for workers with soft-tissue injuries. The Early Claimant Cohort Study. Spine 1997; 22: 2919-2931.
- 503. Skelton CE, Walley RM, Chisholm JB, Sloan RL. Mild traumatic brain injury - the Fife perspective. Scott Med J 1997; 42: 40-43.
- 504. Skogseid IM, Nordby HK, Urdal P, Paus E, Lilleaas F. Increased serum creatine kinase BB and neuron specific enolase following head injury indicates brain damage. Acta Neurochir Wien 1992; 115: 106–111.
- 505. Slavin RE. Best evidence synthesis: an alternative to meta-analytic and traditional reviews. Educational Researcher 1986; 15: 5–11.
- 506. Slavin RE. Best evidence synthesis: an intelligent alternative to meta-analysis. J Clin Epidemiol 1995; 48: 9-18.
- 507. Snow WG, Macartney-Filgate MS, Schwartz ML, Klonoff PS, Ridgley BA. Demographic and medical characteristics of adult head injuries in a Canadian setting. Can J Surg 1988; 31: 191-194.
- 508. Solbakk AK, Reinvang I, Nielsen C, Sundet K. ERP indicators of disturbed attention in mild closed head injury: a frontal lobe syndrome? Psychophysiology 1999; 36: 802-817.
- 509. Sood SC, Gulati SC, Kumar M, Kak VK. Cerebral metabolism following brain injury, III. Transaminase changes. Neurochirurgia Stuttg 1980; 23: 182-186.
- 510. Soustiel JF, Hafner H, Chistyakov AV, Barzilai A, Feinsod M. Trigeminal and auditory evoked responses in minor head injuries and post-concussion syndrome. Brain Inj 1995; 9: 805-813.
- 511. Sparks JP. Rugby football injuries, 1980-1983. Br J Sports Med 1985; 19: 71-75.
- 512. Spence RA, Rutherford WH. Minor head injuries an admission policy. Ulster Med J 1980; 49: 65-70.
- 513. Spitzer WO, Skovron ML, Salmi LR, Cassidy JD, Duranceau J, Suissa S, et al. Scientific monograh of the Quebec Task Force on Whiplash-Associated Disorders: redefining "whiplash" and its management. [erratum appears in Spine 1995 Nov 1; 20(21): 2372]. Spine 1995; 20 (suppl 8): 1S-73S.
- 514. Spitzer WO, LeBlanc FE, Dupuis M, Abenhaim L, Belanger AY, Bloch R, et al. Scientific approach to the assessment and management of activity-related spinal disorders. A monograph for clinicians. Report of the Quebec Task Force on Spinal Disorders. Spine 1987; 12 (suppl 7): S1-S59.
- 515. Spitzer WO, Lawrence V, Dales R, Hill G, Archer MC, Clark P, et al. Links between passive smoking and disease: a best-evidence synthesis. A report of the Working Group on Passive Smoking. Clin Invest Med 1990; 13: 17-42.
- 516. Stablum F, Mogentale C, Umilt C. Executive functioning following mild closed head injury. Cortex 1996; 32: 261-278.
- 517. Stambrook M, Moore AD, Peters LC, Deviaene C, Hawryluk GA. Effects of mild, moderate and severe closed head injury on longterm vocational status. Brain Inj 1990; 4: 183-190.
- 518. Stein SC, O'Malley KF, Ross SE. Is routine computed tomography scanning too expensive for mild head injury? Ann Emerg Med 1991; 20: 1286-1289.
- 519. Stein SC, Ross SE. Mild head injury: a plea for routine early CT scanning. J Trauma 1992; 33: 11-13.
- 520. Stein SC, Spettell C, Young G, Ross SE. Limitations of neurozlogical assessment in mild head injury. Brain Inj 1993; 7: 425-
- 521. Stein SC, Spettell C. The Head Injury Severity Scale (HISS): a

- practical classification of closed-head injury. Brain Inj 1995; 9:
- 522. Stein SC, Doolin EJ. Management of minor closed head injury in children and adolescents. Pediatr Surg Int 1995; 10: 465-471.
- 523. Stewart DP, Kaylor J, Koutanis E. Cognitive deficits in presumed minor head-injured patients. Acad Emerg Med 1996; 3: 21-26.
- 524. Stiell IG, Clement C, Wells GA, Brison R, McKnight RD, Schull M, et al. Multicenter prospective validation of the Canadian CT Head Rule [abstract]. Acad Emerg Med 2003; 10: 539.
- 525. Stiell IG, Clement C, Rowe BH, Brison R, Schull M, Wells GA, et al. Multicenter prospective validation of the New Orleans Criteria for CT in minor head injury [abstract]. Acad Emerg Med 2003; 10:
- 526. Strugar J, Sass KJ, Buchanan CP, Spencer DD, Lowe DK. Longterm consequences of minimal brain injury: loss of consciousness does not predict memory impairment. J Trauma 1993; 34: 555-558.
- 527. Stuck AE, Egger M, Hammer A, Minder CE, Beck JC. Home visits to prevent nursing home admission and functional decline in elderly people: systematic review and meta-regression analysis. JAMA 2002; 287: 1022-1028.
- 528. Sturmi JE, Smith C, Lombardo JA. Mild brain trauma in sports. Diagnosis and treatment guidelines. Sports Med 1998; 25: 351-
- 529. Stuss DT, Stethem LL, Hugenholtz H, Picton T, Pivik J, Richard MT. Reaction time after head injury: fatigue, divided and focused attention, and consistency of performance. J Neurol Neurosurg Psychiatry 1989; 52: 742-748.
- 530. Swann IJ, MacMillan R, Strong I. Head injuries at an inner city accident and emergency department. Injury 1981; 12: 274-278.
- 531. Taheri PA, Karamanoukian H, Gibbons K, Waldman N, Doerr RJ, Hoover EL. Can patients with minor head injuries be safely discharged home? Arch Surg 1993; 128: 289-292.
- 532. Taylor AE, Cox CA, Mailis A. Persistent neuropsychological deficits following whiplash: evidence for chronic mild traumatic brain injury? Arch Phys Med Rehabil 1996; 77: 529-535.
- 533. Teasdale G, Jennett B. Assessment of coma and impaired consciousness. A practical scale. Lancet 1974; 2: 81-84.
- 534. Tellier A, Della Malva LC, Cwinn A, Grahovac S, Morrish W, Brennan-Barnes M. Mild head injury: a misnomer. Brain Inj 1999; 13: 463-475
- 535. Templer DI, Kasiraj J, Trent NH, Trent A, Hughey B, Keller WJ, et al. Exploration of head injury without medical attention. Percept Mot Skills 1992; 75: 195-202.
- 536. Thatcher RW, Walker RA, Gerson I, Geisler FH. EEG discriminant analyses of mild head trauma. Electroencephalogr Clin Neurophysiol 1989; 73: 94-106.
- 537. The AGREE Collaboration. Appraisal of Guidelines for Research and Evaluation (AGREE) Instrument. The AGREE Collaboration 2001 Sep [cited 2003 Mar 1]. Available from: URL: http:// www.agreecollaboration.org/.
- 538. The Centre for Epidemiology at the Swedish National Board of Health and Welfare. The Swedish hospital discharge register. The Swedish National Board of Health and Welfare website 2002 Dec [cited 2003 Apr 22]. Available from: URL: http://www.sos.se/epc/ english/ParEng.htm.
- 539. The Mild Traumatic Brain Injury Committee of the Head Injury Interdisciplinary Special Interest Group of the American Congress of Rehabilitation Medicine. Definition of mild traumatic brain injury. J Head Trauma Rehabil 1993; 8: 86-87.
- 540. The Quality Standards Subcommittee of the American Academy of Neurology. Practice parameter: the management of concussion in sports [summary statement]. Neurology 1997; 48: 581–585.
- 541. The Royal College of Radiologists. Patient selection for skull radiography in uncomplicated head injury. Lancet 1983; 1: 115-
- 542. The Study Group on Head Injury of the Italian Society for Neurosurgery. Guidelines for minor head injured patients' management in adult age. J Neurosurg Sci 1996; 40: 11-15.
- 543. Thornbury JR, Campbell JA, Masters SJ, Fryback DG. Skull fracture and the low risk of intracranial sequelae in minor head trauma. Am J Roentgenol 1984; 143: 661-664.
- 544. Thornton KE. Exploratory investigation into mild brain injury and

- 545. Thurman DJ, Alverson C, Dunn KA, Guerrero J, Sniezek JE. Traumatic brain injury in the United States: a public health perspective. J Head Trauma Rehabil 1999; 14: 602–615.
- 546. Tiersky LA, Cicerone KD, Natelson BH, DeLuca J. Neuropsychological functioning in chronic fatigue syndrome and mild traumatic brain injury: a comparison. Clin Neuropsychol 1998; 12: 503–512.
- 547. Treleaven J, Jull G, Atkinson L. Cervical musculoskeletal dysfunction in post-concussional headache. Cephalalgia 1994; 14: 273–279
- 548. Triplett G, Hill C, Freeman L, Rajan U, Templer DI. Incidence of head injury: lasting effects among college students and working adults in the general population. Percept Mot Skills 1996; 83: 1344–1346.
- 549. Trueblood W, Schmidt M. Malingering and other validity considerations in the neuropsychological evaluation of mild head injury. J Clin Exp Neuropsychol 1993; 15: 578–590.
- 550. Trueblood W. Qualitative and quantitative characteristics of malingered and other invalid WAIS-R and clinical memory data. J Clin Exp Neuropsychol 1994; 16: 597–607.
- Tsushima WT, Newbill W. Effects of headaches during neuropsychological testing of mild head injury patients. Headache 1996; 36: 613–615.
- 552. Tunturi T, Nieminen R, Pätiälä H, Rokkanen P, Tammilehto L, Turunen M, et al. Head injuries and skull radiography: clinical factors predicting a fracture. Injury 1982; 13: 478–483.
- 553. US National Library of Medicine. What's the difference between MEDLINE and PubMed? Fact sheet. US National Library of Medicine website [cited 2003 Jul 6]. Available from: URL: http://www.nlm.nih.gov/pubs/factsheets/difmedpub.html.
- 554. Uomoto JM, Esselman PC. Traumatic brain injury and chronic pain: differential types and rates by head injury severity. Arch Phys Med Rehabil 1993; 74: 61–64.
- 555. van der NJ, Hew JM, van Zomeren AH, Sluiter WJ, Minderhoud JM. Computed tomography and magnetic resonance imaging in mild to moderate head injury: early and late imaging related to outcome. Ann Neurol 1999; 46: 70–78.
- 556. van der NJ, van Zomeren AH, Sluiter WJ, Minderhoud JM. One year outcome in mild to moderate head injury: the predictive value of acute injury characteristics related to complaints and return to work. J Neurol Neurosurg Psychiatry 1999; 66: 207–213.
- 557. Varney NR, Bushnell DL, Nathan M, Kahn D, Roberts R, Rezai K, et al. NeuroSPECT correlates of disabling mild head injury: preliminary findings. J Head Trauma Rehabil 1995; 10: 18–28.
- 558. Veltman RH, Vandongen S, Jones S, Buechler CM, Blostein P. Cognitive screening in mild brain injury. J Neurosci Nurs 1993; 25: 367–371.
- 559. Verduyn WH, Hilt J, Roberts MA, Roberts RJ. Multiple partial seizure-like symptoms following 'minor' closed head injury. Brain Inj 1992; 6: 245–260.
- 560. Vilke GM, Chan TC, Guss DA. Use of a complete neurological examination to screen for significant intracranial abnormalities in minor head injury. Am J Emerg Med 2000; 18: 159–163.
- 561. Vogenthaler DR, Smith KR, Jr, Goldfader P. Head injury, an empirical study: describing long-term productivity and independent living outcome. Brain Inj 1989; 3: 355–368.
- 562. Voller B, Benke T, Benedetto K, Schnider P, Auff E, Aichner F. Neuropsychological, MRI and EEG findings after very mild traumatic brain injury. Brain Inj 1999; 13: 821–827.
- 563. von Holst H, Cassidy JD. Mandate of the WHO Collaborating Centre Task Force on Mild Traumatic Brain Injury. J Rehabil Med 2004; (suppl 43): 8–10.
- 564. Ware JE, Jr, Snow KK, Kosinski M, Gandek B. SF-36 health survey: manual and interpretation guide. Boston (MA): The Health Institute, New England Medical Center; 1993.
- 565. Warren D, Kissoon N. Usefulness of head injury instruction forms

- in home observation of mild head injuries. Pediatr Emerg Care 1989; 5: 83-85.
- Wasserman RC, Buccini RV. Helmet protection from head injuries among recreational bicyclists. Am J Sports Med 1990; 18: 96–97.
- 567. Waterloo K, Ingebrigtsen T, Romner B. Neuropsychological function in patients with increased serum levels of protein S-100 after minor head injury. Acta Neurochir Wien 1997; 139: 26–31.
- Watson MR, Fenton GW, McClelland RJ, Lumsden J, Headley M, Rutherford WH. The post-concussional state: neurophysiological aspects. Br J Psychiatry 1995; 167: 514–521.
- 569. Wells KB, Hays RD, Burnam MA, Rogers W, Greenfield S, Ware JE, Jr. Detection of depressive disorder for patients receiving prepaid or fee-for-service care. Results from the Medical Outcomes Study. JAMA 1989; 262: 3298–3302.
- 570. Wenden FJ, Crawford S, Wade DT, King NS, Moss NE. Assault, post-traumatic amnesia and other variables related to outcome following head injury. Clin Rehabil 1998; 12: 53–63.
- 571. Werner RA, Vanderzant CW. Multimodality evoked potential testing in acute mild closed head injury. Arch Phys Med Rehabil 1991; 72: 31–34.
- 572. Westbrook LE, Devinsky O, Geocadin R. Nonepileptic seizures after head injury. Epilepsia 1998; 39: 978–982.
- 573. Weston PA. Admission policy for patients following head injury. Br J Surg 1981; 68: 663–664.
- 574. Wilberger JE, Jr, Maroon JC. Head injuries in athletes. Clin Sports Med 1989; 8: 1–9.
- 575. Willer B, Linn R, Allen K. Community integration and barriers to integration for individuals with brain injury. In: Finlayson MAJ, Garner S, eds. Brain injury rehabilitation: clinical considerations. Baltimore (MD): Williams Wilkins; 1993, p. 355–375.
- Wilmoth JR, Deegan LJ, Lundstrom H, Horiuchi S. Increase of maximum life-span in Sweden, 1861–1999. Science 2000; 289: 2366–2368.
- 577. Wilson JA, Pentland B, Currie CT, Miller JD. The functional effects of head injury in the elderly. Brain Inj 1987; 1: 183–188.
- 578. World Health Organization. What is a WHO collaborating centre? WHO collaborating centre website [cited 2003 May 1]. Available from: URL: http://whqlily.who.int/generalinfos.asp.
- 579. World Health Organization. The ICD-10 classification of mental and behavioural disorders: clinical descriptions and diagnostic guidelines. 10th edn. Geneva: World Health Organization; 1992.
- 580. Wright JC, Telford R. Psychological problems following minor head injury: a prospective study. Br J Clin Psychol 1996; 35: 399–
- 581. Wrightson P, Gronwall D. Attitudes to concussion in young New Zealand men. N Z Med J 1980; 92: 359–361.
- 582. Wrightson P, Gronwall D. Time off work and symptoms after minor head injury. Injury 1981; 12: 445–454.
- 583. Yarnell PR, Rossie GV. Minor whiplash head injury with major debilitation. Brain Injury 1988; 2: 255–258.
- 584. Yeates KO, Luria J, Bartkowski H, Rusin J, Martin L, Bigler ed. Postconcussive symptoms in children with mild closed head injuries. J Head Trauma Rehabil 1999; 14: 337–350.
- 585. Yokota H, Kurokawa A, Otsuka T, Kobayashi S, Nakazawa S. Significance of magnetic resonance imaging in acute head injury. J Trauma 1991; 31: 351–357.
- 586. Young CC, Jacobs BA, Clavette K, Mark DH, Guse CE. Serial sevens: not the most effective test of mental status in high school athletes. Clin J Sport Med 1997; 7: 196–198.
- 587. Youngjohn JR, Davis D, Wolf I. Head injury and the MMPI-2: paradoxical severity effects and the influence of litigation. Psychol Assess 1997; 9: 177–184.
- 588. Zavoski R, Lapidus G, Lerer T, Banco L. Bicycle injury in Connecticut. Conn Med 1995; 59: 3–9.
- 589. Zwimpfer TJ, Brown J, Sullivan I, Moulton RJ. Head injuries due to falls caused by seizures: a group at high risk for traumatic intracranial hematomas. J Neurosurg 1997; 86: 433–437.