

REFERENCES

1. Surveillance for Violent Deaths—National Violent Death Reporting System, 16 States, 2010. *MMWR Surveill Sum* 63: 1, 2014.
2. National Center for Health Statistics: National Health Interview Survey 2009 data release. 2010. http://www.cdc.gov/nchs/nhis/nhis_2009_data_release.htm. Accessed February 22, 2015.
3. American College of Surgeons: National Trauma Databank 2013 Annual Pediatric Report. 2013. <https://www.facs.org/~media/files/quality%20programs/trauma/ntdb/ntdb%20pediatric%20annual%20report%202013.ashx>. Accessed February 22, 2015.
4. Centers for Disease Control and Prevention: Vital signs: unintentional injury deaths among persons aged 0–19 years: United States, 2000–2009. <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6115a5.htm>. Accessed February 22, 2015.
5. Leventhal JM, Gaither JR, Segar R: Hospitalizations due to firearm injuries in children and adolescents. *Pediatrics* 133: 219, 2014. [PMID: 24470651]
6. Palfrey JS, Palfrey S: Preventing gun deaths in children. *N Engl J Med* 368: 401, 2013.
7. Jabre P, Belpomme V, Azoulay E, et al: Family presence during cardiopulmonary resuscitation. *N Engl J Med* 368: 1008, 2013. [PMID: 23484827]
8. Ham M: Family presence during resuscitation: a critical review of the literature. *Am J Crit Care* 14: 494, 2005. [PMID: 16249587]
9. Jabre P, Velpomme V, Azoulay E, et al: Family presence during cardiopulmonary resuscitation. *N Engl J Med* 368: 1008, 2013. [PMID: 23484827]
10. Simpson JN, Teach SJ: Pediatric rapid fluid resuscitation. *Curr Opin Pediatr* 23: 286, 2011. [PMID: 21508842]
11. National Pediatric Readiness Project. www.pediatricreadiness.org. Accessed January 13, 2015.
12. American Academy of Pediatrics, Committee on Pediatric Emergency Medicine, American College of Emergency Physicians, Pediatric Committee, Emergency Nurses Association Pediatric Committee. Joint Policy Statement—guidelines for care of children in the emergency department. *Pediatrics* 124: 1233, 2009. [PMID: 19770172]
13. <http://www.pediatricreadiness.org/> (EMSC Program, MCHB/HRSA, American Academy of Pediatrics, American College of Emergency Physicians, Emergency Nurses Association: National Pediatric Readiness Project.) Accessed February 22, 2015.
14. Kleinman PK, Spevak MR: Soft tissue swelling and acute skull fractures. *J Pediatr* 121: 737, 1992. [PMID: 14324244]
15. Matschke J, Voss J, Obi N, et al: Nonaccidental head injury is the most common cause of subdural bleeding in infants younger than 1 year of age. *Pediatrics* 124: 1587, 2009. [PMID: 19948629]
16. Mohseni S, Talving P, Branco BC, et al: Effect of age on cervical spine injury in pediatric population: a National Trauma Data Bank review. *J Pediatr Surg* 46: 1771, 2011. [PMID: 21929988]
17. Patel JC, Tepas JJ, Mollitt DL, et al: Pediatric cervical spine injuries: defining the disease. *J Pediatr Surg* 36: 373, 2001. [PMID: 11172438]
18. Merritt RM, Bent JP, Porubsky ES: Acute laryngeal trauma in the pediatric patient. *Ann Otol Rhinol Laryngol* 107: 104, 1998. [PMID: 9486903]
19. Kirkby J, Stanojevic S, Welsh L, et al: Reference equations for specific airway resistance in children. *Eur Respir J* 36: 622, 2010. [PMID: 20150205]
20. Salter RB, Harris WR: Injuries involving the epiphyseal plate. *J Bone Joint Surg Am* 45: 587, 1963.
21. Cornelius HM: Accidental hypothermia. *J Pediatr* 120: 671e9, 1992. [PMID: 1578300]
22. Fleming S, Thompson M, Stevens R, et al: Normal ranges of heart rate and respiratory rate in children from birth to 18 years of age: a systematic review of observational studies. *Lancet* 377: 1011, 2011. [PMID: 21411136]
23. Carcillo J, Han K, Lin J, Orr R: Goal-directed management of pediatric shock in the emergency department. *Clin Pediatr Emerg Med* 8: 165, 2007.
24. Benumof JL, Dagg R, Benumof R: Critical hemoglobin desaturation will occur before return to an unparalyzed state following 1 mg/kg intravenous succinylcholine. *Anesthesiology* 87: 979–982, 1997. [PMID: 9357902]
25. Gill M, Steele R, Windemuth R, Green SM: A comparison of five simplified scales to the out-of-hospital Glasgow Coma Scale for the prediction of traumatic brain injury outcomes. *Acad Emerg Med* 13: 968, 2007. [PMID: 16894005]
26. Stoner MJ, Goodman D, Cohen D, et al: Rapid fluid resuscitation in pediatrics: testing the American College of Critical Care Medicine Guidelines. *Ann Emerg Med* 50: 5, 2007. [PMID: 17764783]
27. Morrison CA, Carrick MM, Norman MA, et al: Hypotensive resuscitation strategy reduces transfusion requirements and severe postoperative coagulopathy in trauma patients with hemorrhagic shock: preliminary results of a randomized controlled trial. *J Trauma* 70: 652, 2011. [PMID: 21610356]
28. Chidester S, Williams N, Wang N, Groner J: A pediatric massive transfusion protocol. *J Trauma Acute Care Surg* 73: 5, 2012. [PMID: 23064608]
29. Green SM: Cheering, laddie! Bidding farewell to the Glasgow Coma Scale. *Ann Emerg Med* 58: 427, 2011. [PMID: 21803447]
30. Savaia A, Moore FA, Moore EE, et al: Epidemiology of trauma deaths: a reassessment. *J Trauma* 62: 307, 2007. [PMID: 17869433]
31. Marcin JP, Pollack MM: Triage scoring systems, severity of illness measures, and mortality prediction models in pediatric trauma. *Crit Care Med* 30: S457, 2002. [PMID: 12528788]
32. Hall JR, Reyes HM, Meller JL, et al: The outcome for children with blunt trauma is best at a pediatric trauma center. *J Pediatr Surg* 31: 72, 1996 [PMID: 8632290]
33. Oyentunji T, Haider A, Downing S: Treatment outcomes of injured children at adult level 1 trauma centers: are there benefits from added specialized care? *Am J Surg* 201: 445, 2011. [PMID: 21421097]
34. Osler TM, Vane DW, Tepas JJ, et al: Do pediatric trauma centers have better survival rates than adult trauma centers? An examination of the National Pediatric Trauma Registry. *J Trauma* 50: 96, 2001. [PMID: 11231677]
35. Junkins EP Jr, McConnell KJ, Mann NC: Pediatric trauma systems in the United States: do they make a difference? *Clin Pediatr Emerg Med* 7: 76, 2006.
36. Capraro AJ, Mooney D, Waltzman ML: The use of routine laboratory studies as screening tools in pediatric abdominal trauma. *Pediatr Emerg Care* 22: 480, 2006. [PMID: 16871106]
37. Keller MS, Colm CE, Trimble JA, et al: The utility of routine trauma laboratories in pediatric trauma resuscitations. *Am J Surg* 188: 671, 2004. [PMID: 15619482]
38. Oldham KT, Guice KS, Kaufman RA, et al: Blunt hepatic injury and elevated hepatic enzymes: a clinical correlation in children. *J Pediatr Surg* 19: 457, 1984. [PMID: 6481594]
39. Puranik SR, Hayes JS, Long J, et al: Liver enzymes as predictors of liver damage due to blunt abdominal trauma in children. *South Med J* 95: 203, 2002. [PMID: 11846245]
40. Lindberg D, Makoroff K, Harper N, et al: Utility of hepatic transaminases to recognize abuse in children. *Pediatrics* 124: 509, 2009. [PMID: 19620197]
41. Adamson WT, Hebra A, Thomas PB, Wagstaff P, Tagge EP, Othersen HB: Serum amylase and lipase alone are not cost-effective screening methods for pediatric pancreatic trauma. *J Pediatr Surg* 38: 354, 2003.
42. Randolph LC, Takacs M, Davis KA: Resuscitation in the pediatric trauma population: admission based deficit remains an important prognostic indicator. *J Trauma* 53: 838, 2002. [PMID: 12435932]
43. Kincaid EH, Chang MC, Letton RW, et al: Admission base deficit in pediatric trauma: a study. *J Trauma* 51: 332, 2002. [PMID: 11493795]
44. Odom SR, Howell MD, Silva GS, et al: Lactate clearance as a predictor of mortality in trauma patients. *J Trauma Acute Care Surg* 74: 999, 2013.
45. Thorp A, Young T, Brown L: Test characteristics of urinalysis to predict urologic injury in children. *West J Emerg Med* 12: 168, 2011. [PMID: 21691520]
46. Witt M, Gilmore B: Use of bedside ultrasound in the pediatric emergency department. *Pediatr Emerg Med Pract* 4: 1, 2007.
47. Coley BD, Mutabagani KH, Martin LC, et al: Focused abdominal sonography for trauma (FAST) in children with blunt abdominal trauma. *J Trauma* 48: 902, 2000. [PMID: 10823534]
48. Scaife E, Rollins M, Barnhart D, et al: The role of focused abdominal sonography for trauma (FAST) in pediatric trauma evaluation. *J Pediatr Surg* 48: 1377, 2013. [PMID: 23845633]
49. Holmes JF, Offerman SR, Chang CH, et al: Performance of helical computed tomography without oral contrast for the detection of gastrointestinal injuries. *Ann Emerg Med* 43: 120, 2004. [PMID: 14707951]
50. Ruess L, Sivit CJ, Eichelberger MR, et al: Blunt abdominal trauma in children: impact of CT on operative and nonoperative management. *AJR Am J Roentgenol* 169: 1011, 1997. [PMID: 9308453]
51. Quayle KS, Jaffe DM, Kuppermann N, et al: Diagnostic testing for acute head injury in children: when are head computer tomography and skull radiographs indicated? *Pediatrics* 99: 5, 1997. [PMID: 9113968]
52. Morrison J, Mâsse B, Oulett P, Décarie J, Gravel J: Four-film x-ray series is more sensitive than 2-film for diagnosis of skull fractures in children. *Pediatr Emerg Care* 29: 1189, 2013. [PMID: 24168880]
53. Chung S, Schamban N, Wypij D, et al: Skull radiograph interpretation of children younger than two years: how good are paediatric emergency physicians? *Ann Emerg Med* 43: 718, 2004. [PMID: 15159702]
54. Hoffman PA, Nelemans P, Kemerink GJ, et al: Value of radiological diagnosis of skull fracture in the management of mild head injury: meta-analysis. *J Neurol Neurosurg Psychiatry* 68: 416, 2000. [PMID: 10727475]
55. Rabiner T, Friedman L, Khine H, Avner J, Tsunn J: Accuracy of point-of-care ultrasound for diagnosis of skull fractures in children. *Pediatrics* 131: e1757, 2013. [PMID: 23690519]
56. Parri N, Crosby BJ, Glass C, et al: Ability of emergency ultrasonography to detect pediatric skull fractures: a prospective, observational study. *J Emerg Med* 44: 135, 2013. [PMID: 22579023]
57. Cho KH, Lee SM, Lee YH, Suh KJ: Ultrasound diagnosis of either an occult or missed fracture of an extremity in pediatric-aged children. *Korean J Radiol* 11: 84, 2010. [PMID: 20046499]
58. Holmes MW, Goodacre S, Stevenson M, et al: The cost-effectiveness of diagnostic management strategies for children with minor head injury. *Arch Dis Child* 98: 939, 2013. [PMID: 23968775]
59. Radkowski D, McGill TJ, Healy GB, Jones DT: Penetrating trauma of the oropharynx in children. *Laryngoscope* 103: 991, 1993. [PMID: 8361321]
60. Hennelly K, Kimia A, Lee L, Jones D, Porter S: Incidence of morbidity from penetrating palate trauma. *Pediatrics* 126: e1578, 2010. [PMID: 21041279]
61. Randall DA, Kang DR: Current management of penetrating injuries of the soft palate. *Otolaryngol Head Neck Surg* 135: 356, 2006. [PMID: 16949964]
62. Zonfrillo MR, Roy AD, Walsh SA: Management of pediatric penetrating oropharyngeal trauma. *Pediatr Emerg Care* 24: 172, 2008. [PMID: 18347498]
63. Soose RJ, Simons JP, Mandell DL: Evaluation and management of pediatric oropharyngeal trauma. *Arch Otolaryngol Head Neck Surg* 132: 446, 2006. [PMID: 16618916]

64. Brietzke SE, Jones DT: Pediatric oropharyngeal trauma: what is the role of CT scan? *Int J Pediatr Otorhinolaryngol* 69: 669, 2005. [PMID: 15850688]
65. Bell R, Osborn T, Dierks EJ, et al: Management of penetrating neck injuries: a new paradigm for civilian trauma. *J Oral Maxillofac Surg* 65: 691, 2007. [PMID: 17368366]
66. Ford H, Gardner M, Lynch J: Laryngotracheal disruption from blunt pediatric neck injuries: impact of early recognition and intervention on outcome. *J Pediatr Surg* 30: 331, 1995. [PMID: 7738760]
67. Schaefer SD: Laryngeal and esophageal trauma, in Cummings CW, Fredrickson JM, Harker L (eds): *Otolaryngology: Head & Neck Surgery*. St. Louis, MO: Mosby; 1998: 2001-2012.
68. Bliss D, Silen M: Pediatric thoracic trauma. *Crit Care Med* 30: S409, 2002. [PMID: 12528782]
69. Pitetti R, Walker S: Life-threatening chest injuries in children. *Clin Pediatr Emerg Med* 6: 16, 2005.
70. Allen GS, Cox CS: Pulmonary contusion in children: diagnosis and management. *South Med J* 91: 1099, 1998. [PMID: 9853720]
71. Grisoni ER, Volsko TA: Thoracic injuries in children. *Respir Care Clin N Am* 7: 25, 2001. [PMID: 11584803]
72. Bliss D, Silen M: Pediatric thoracic trauma. *Crit Care Med* 30 (11 Suppl): S409e15, 2002. [PMID: 12528782]
73. Garcia VF, Gotschall CS, Eichelberger MR, et al: Rib fractures in children: a marker of severe trauma. *J Trauma* 30: 695, 1990. [PMID: 2352299]
74. Eshel G, Gross B, Bar-Yochai A, et al: Cardiac injuries caused by blunt chest trauma in children. *Pediatr Emerg Care* 3: 96, 1987. [PMID: 3615243]
75. Renton J, Kincaid S, Ehrlich PF: Should helical CT scanning of the thoracic cavity replace the conventional chest x-ray as a primary assessment tool in pediatric trauma? An efficacy and cost analysis. *J Pediatr Surg* 38: 793, 2003. [PMID: 12720196]
76. Smejkal R, O'Malley KF, David E, et al: Routine initial computed tomography of the chest in blunt torso trauma. *Chest* 100: 667, 1991. [PMID: 1889253]
77. Trupka A, Waydhas C, Hallfeldt KK, et al: Value of thoracic computed tomography in the first assessment of severely injured patients with blunt chest trauma: results of a prospective study. *J Trauma* 43: 405, 1987. [PMID: 9314300]
78. Markel TA, Kumar R, Koontz NA, et al: The utility of computed tomography as a screening tool for the evaluation of pediatric blunt chest trauma. *J Trauma* 67: 23, 2009. [PMID: 19590303]
79. Fabian TC, Richardson JD, Croce MR, et al: Prospective study of blunt aortic-injury: multicenter trial of the American Association for the Surgery of Trauma. *J Trauma* 42: 374, 1987. [PMID: 9095103]
80. Cox CC, Black CT, Duke JH, et al: Operative treatment of truncal vascular injuries in children and adolescents. *J Pediatr Surg* 33: 462, 1998. [PMID: 9537558]
81. Slimane MAA, Becmeur F, Aubert D, et al: Tracheobronchial ruptures from blunt thoracic trauma in children. *J Pediatr Surg* 34: 1847, 1999. [PMID: 10626870]
82. Beaver BL, Colompani PM, Buck JR, et al: Efficacy of emergency room thoracotomy in pediatric trauma. *J Pediatr Surg* 22: 19, 1987. [PMID: 3819987]
83. Sheikh A, Culbertson C: Emergency department thoracostomy in children: rational for selective application. *J Trauma* 34: 323, 1993. [PMID: 8483168]
84. Wegner S, Colletti JE, Van Wie D: Pediatric blunt abdominal trauma. *Pediatr Clin N Am* 53: 243, 2006. [PMID: 16574524]
85. Cooper A, Barlow B, DiScala C, et al: Mortality and truncal injury: the pediatric perspective. *J Pediatr Surg* 29: 33, 1994. [PMID: 8120758]
86. Rothrock SG, Green SM, Morgan R: Abdominal trauma in infants and children: prompt identification and early management of serious and life-threatening injuries. Part I: injury patterns and initial assessment. *Pediatr Emerg Care* 16: 106, 2000. [PMID: 10784214]
87. Nance ML, Stafford PW, Schwab CW: Firearm injuries among urban youth during the last decade: an escalation in violence. *J Pediatr Surg* 52: 949, 1997. [PMID: 9247210]
88. Keller MS: Blunt injury to solid abdominal organs. *Semin Pediatr Surg* 13: 106e11, 2004. [PMID: 15362280]
89. Holmes JF, Lillis K, Monroe D, et al: Identifying children at very low risk of clinically important blunt abdominal injuries. *Ann Emerg Med* 62: 107, 2013.
90. Sinha C, Lander A: Trauma in children: abdomen and thorax. *Surgery* 31: 123, 2013.
91. Cigdem MK, Onen A, Siga M, et al: Selective nonoperative management of penetrating abdominal injuries in children. *J Trauma* 67: 1284, 2009. [PMID: 20009679]
92. Como JJ, Bokhari F, Chiu WC, et al: Practice management guidelines for selective non-operative management of penetrating abdominal trauma. *J Trauma* 68: 721, 2010. [PMID: 20220426]
93. Pediatric trauma, in American College of Surgeons Committee on Trauma (ed): *Advanced Trauma Life Support for Doctors: Student Course Manual*. 8th ed. Chicago: American College of Surgeons; 2008:225.
94. Freeman L, Prator PC: Blunt abdominal trauma in prepubertal children: ED care in the era of non-operative management. *Pediatr Emerg Med Pract* 1: 1, 2004.
95. Kenefake ME, Swarm M, Walhall J: Nuances in pediatric trauma. *Emerg Med Clin N Am* 31: 627, 2013. [PMID: 23915597]
96. Sivit C: Safety-belt injuries in children with lap-belt ecchymosis: CT findings in 61 patients. *Am J Radiol* 157: 111, 1991.
97. Sturm P: Lumbar compression fractures secondary to lap belt use in children. *J Pediatr Orthop* 15: 521, 1995. [PMID: 7560047]
98. Lutz N, Nance ML, Kallan MJ, Arbogast KB, Durbin DR, Winston FKJ: Incidence and clinical significance of abdominal wall bruising in restrained children involved in motor vehicle crashes. *Pediatr Surg* 39: 972, 2004. [PMID: 15185237]
99. Paris C, Brindamour M, Ouimet A, St-Vil D: Predictive indicators for bowel injury in pediatric patients who present with a positive seat belt sign after motor vehicle collision. *J Pediatr Surg* 45: 921, 2010. [PMID: 20438927]
100. Skelllett S, Tibby SM, Durward A, et al: Lesson of the week: immobilization of the cervical spine in children. *BMJ* 324: 591, 2002. [PMID: 11884327]
101. Daniels AH, Sobel AD, Eberson CP: Pediatric thoracolumbar spine trauma. *J Am Acad Orthop Surg* 21: 707, 2013. [PMID: 24292927]
102. Sayama C, Chen T, Trost G, Jea A: A review of pediatric lumbar spine trauma. *Neurosurg Focus* 37: E6, 2014. [PMID: 24981905]
103. Leroux J, Vivier PH, Slimane MO, et al: Early diagnosis of thoracolumbar spine fractures in children. A prospective study. *Orthop Traumatol Surg Res* 99: 60, 2013. [PMID: 23276683]
104. Parent S, Dimar J, Dekutoski M, et al: Unique features of pediatric spinal cord injury. *Spine* 35: S202, 2010. [PMID: 20881463]
105. Parent S, Mac-Thiong JM, Roy-Beaudry M, et al: Spinal cord injury in the pediatric population: a systematic review of the literature. *J Neurotrauma* 28: 1515, 2011. [PMID: 21501096]
106. Rush JK, Kelly DM, Astur N, et al: Associated injuries in children and adolescents with spine trauma. *J Pediatr Orthop* 33: 393, 2013. [PMID: 23653028]
107. Pettiford JN, Bikhchandani J, Ostlie DJ, et al: A review: the role of high dose methylprednisolone in spinal cord trauma in children. *Pediatr Surg Int* 28: 287, 2012. [PMID: 21994079]
108. Murphy SA, et al: Bedside mechanisms in CNS trauma: the use of near-infrared spectroscopy (NIRS) and transcranial doppler (TCD). *Vascular Mechanisms in CNS Trauma*. Springer: New York; 2014:473-488.
109. Adelson PD, et al: Comparison of hypothermia and normothermia after severe traumatic brain injury in children (cool kids): a phase 3, randomised controlled trial. *The Lancet Neurology* 12:6: 546-553, 2013.
110. Robertson CS, et al: Effect of erythropoietin and transfusion threshold on neurological recovery after traumatic brain injury: a randomized clinical trial. *Jama* 312:1:36-47, 2014.
111. Chung M, O'Brien N: Incidence of early seizures with levetiracetam prophylaxis in children after traumatic brain injury (S60. 002). *Neurology* 82.10 Supplement: S60-S002, 2014.
112. Newland A, Drew P, Steven M: Preventing severe infection after splenectomy: patients should know the risks, be immunised, and take prophylactic antibiotics. *BMJ: British Medical Journal* 331:7514: 417, 2005.
113. Tinkoff G, et al: American Association for the Surgery of Trauma Organ Injury Scale I: spleen, liver, and kidney, validation based on the National Trauma Data Bank. *J Am Coll Surg* 207:5: 646-655, 2008.
114. Gaines BA: Intra-abdominal solid organ injury in children: diagnosis and treatment. *J Trauma Acute Care Surg* 67:2:S135-S139, 2009.