

# Initial Evaluation and Management of Orthopedic Injuries

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## REFERENCES

1. Salter RB, Harris WR: Injuries involving the epiphyseal plate. *J Bone Joint Surg* 45A: 587, 1963.
2. Einhorn TA: The cell and molecular biology of fracture healing. *Clin Orthop* 335(Suppl) S7, 1981.
3. Mark H, Pennington A, Nanmark U, et al: Microvascular invasion during endochondral ossification in experimental fractures in rats. *Bone* 35: 535, 2004.
4. Sandberg MJ, Aro HT, Vuoria EL: Gene expression during bone repair. *Clin Orthop* 289: 292, 1993.
5. Ali J, Qi W: Fluid and electrolyte deficit with prolonged pneumatic antishock garment application. *J Trauma* 38: 612, 1995. [PMID: 7723104]
6. Chang FC, Harrison PB, Beech RR, et al: PASG: does it help in the management of traumatic shock? *J Trauma* 39: 453, 1995. [PMID: 7473908]
7. Chien M, Bulloch B, Garcia-Filion P, et al: Bedside ultrasound in the diagnosis of pediatric clavicle fractures. *Pediatr Emerg Care* 27: 1038, 2011.
8. Heiner JD, Proffitt AM, McArthur TJ: The ability of emergency nurses to detect simulated long bone fractures with portable ultrasound. *Int Emerg Nurs* 19: 120, 2011.
9. Abi KS, Haddad-Aebouni S, Rouoz S, et al: Ultrasound as an adjunct to radiography in minor musculoskeletal pediatric trauma. *J Med Liban* 59: 70, 2011.
10. Chaar-Alvarez FM, Warkentine F, Cross K, et al: Bedside ultrasound diagnosis of non-angulated distal forearm fractures in the pediatric emergency department. *Pediatr Emerg Care* 27: 1047, 2011.
11. Olson SA, Schemitsch EH: Open fractures of the tibial shaft: an update. *Instr Course Lect* 52: 623, 2003. [PMID: 12690887]
12. Worlock P, Slack R, Harvey L, Mawhinney R: The prevention of infection in open fractures: an experimental study of the effects of antibiotic therapy. *J Bone Joint Surg* 70A: 1341, 1988.
13. Gosselin RA, Robert I, Gillespie J: Antibiotics for preventing infection in open limb fractures. *Cochrane Database Syst Rev* 1: CD003764, 2004.
14. Wilkins J, Patzakis M: Choice and duration of antibiotics in open fractures. *Orthop Clin North Am* 22: 433, 1991. [PMID: 1852421]
15. Russell GV Jr, King C, May CG, Pearsall AW 4th: Once daily high-dose gentamicin to prevent infection in open fractures of the tibial shaft: a preliminary investigation. *South Med J* 94: 1185, 2001. [PMID: 11811857]
16. Patzakis MJ, Bains RS, Lee J, et al: Prospective, randomized, double-blind study comparing single-agent antibiotic therapy, ciprofloxacin, to combination antibiotic therapy in open fracture wounds. *J Orthop Trauma* 14: 529, 2000. [PMID: 11149497]
17. Valenziano CP, Chattar-Cora D, et al: Efficacy of primary wound cultures in long bone open extremity fractures: are they of any value? *Arch Orthop Trauma Surg* 122: 259, 2002. [PMID: 12070643]
18. Zalavras CG, Patzakis MJ: Open fracture evaluation and management. *J Am Acad Orthop Surg* 11: 212, 2003. [PMID: 12828451]
19. Crenshaw SJ, Pollo FE, Brodsky JW: The effect of ankle position on plantar pressure in a short leg walking boot. *Foot Ankle Int* 25: 69, 2004. [PMID: 14992705]
20. Anderson K, Jensen PO, Lauritzen J: Treatment of clavicular fractures: figure of eight bandage vs. a simple sling. *Acta Orthop Scand* 57: 71, 1987.
21. Kannus P, Renstrom P: Treatment for acute tears of the lateral ligaments of the ankle: operation, cast, or early controlled mobilization. *J Bone Joint Surg Am* 73: 305, 1991. [PMID: 1993726]
22. Dameron T: Fractures of the proximal fifth metatarsal: selecting the best treatment option. *J Am Acad Orthop Surg* 3: 110, 1995. [PMID: 10790659]
23. Alepuz E, Carsi V, Alcantara P, et al: Fractures of the central metatarsal. *Foot Ankle Int* 17: 300, 1996.

## USEFUL WEB RESOURCES

- Musculoskeletal examinations (not limited to trauma)—<http://www.youtube.com/user/ChrisML123>
- Principles of splinting: General—[http://www.youtube.com/watch?v=ePhV\\_CNYgiM](http://www.youtube.com/watch?v=ePhV_CNYgiM)
- Principles of splinting: Long arm posterior splint—<http://emedicine.medscape.com/article/1355110-overview#a15>
- Principles of splinting: Ulnar gutter—<http://emedicine.com/proc/topic80165.htm>, <http://www.youtube.com/watch?v=lx2YBmq7oS0>
- Principles of splinting: Radial gutter—<http://www.youtube.com/watch?v=DYvIl-yDC5s>, <http://emedicine.medscape.com/article/80108-overview>
- Principles of splinting: Sugar tong—<http://video.google.com/videoplay?docid=-5307254995129500987>
- Principles of splinting: Thumb spica—<http://emedicine.medscape.com/article/80146-overview>, <http://www.youtube.com/watch?v=864h9gVgmKs>
- Principles of splinting: Posterior ankle splint—<http://emedicine.medscape.com/article/80070-overview#aw2aab6b4aa>