References from the literature search that were not retained had a poor study design, were not relevant to the topic, or had unclear or biased results.

**Literature Search Performed on:** 06/08/2018  
**Beginning Date:** January 2013  
**End Date:** May 2018  
**Database:** Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) <1946 to Present>

### Search Strategy

1. acute ankle injury.tw. (63)  
2. exp diagnostic imaging/ and 1 (31)  
3. "Sprains and Strains"/ (4980)  
4. Fractures, Closed/ or Fractures, Bone/ or Fractures, Cartilage/ or Fractures, Comminuted/ or Lateral Ligament, Ankle/ or Athletic Injuries/ or Osteochondritis/ or Osteochondritis Dissecans/ or Collateral Ligaments/in or Cartilage, Articular/in or Ligaments, Articular/in or ligaments/in or Fibula/ or Talus/ or Tibia/ (138745)  
5. (Syndesmo* or osteochondral).tw. (7249)  
6. (*Talus/in or *Ankle injuries/ or *subtalar joint/in) and (3 or 4 or 5) (5931)  
7. Ankle injuries/di or talus/di or subtalar joint/di (1154)  
8. exp diagnostic imaging/ and (6 or 7) (2427)  
9. *Ankle injuries/dg or *talus/dg or *subtalar joint/dg or Ottawa Ankle.tw. or acute ankle injur*.tw. (909)  
10. 8 or 9 (2929)  
11. limit 10 to (abstracts and english language and humans and yr="2013 -Current") (423)  
12. limit 11 to case reports (95)  
13. 11 not 12 (328)  
14. remove duplicates from 13 (326)  
15. exp Fracture Fixation/ (55757)  
16. 14 not 15 (259)

### Summary

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