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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