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.

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**Search Strategy**

1. `exp Orthopedic Fixation Devices/ or exp diagnostic imaging/` (2712043)
2. `(device or hardware).tw.` (284963)
3. 1 or 2 (2952288)
4. 3 and (`Osteomyelitis/ or Arthritis, Infections/ or Soft Tissue Infections/ or Fasciitis, Necrotizing/ or Prosthesis-Related Infections/`) (11202)
5. `Osteomyelitis/dg or Arthritis, Infections/dg` or `Soft Tissue Infections/dg or Fasciitis, Necrotizing/dg or Prosthesis-Related Infections/dg` (4686)
6. 4 or 5 (11385)
7. limit 6 to (abstracts and english language and humans and yr="2015 -Current") (1725)
8. limit 7 to case reports (633)
9. 7 not 8 (1092)
10. limit 9 to "all child (0 to 18 years)" (188)
11. 9 not 10 (904)
12. 11 not exp spine/ (886)

**Summary**

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