

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Osteonecrosis**

Literature Search Performed on: 10/23/2020

Beginning Date: January 2014

End Date: September 2020

Database: Ovid MEDLINE(R) ALL <1946 to October 22, 2020>

**Search Strategy**

---

- 1 (exp diagnostic imaging/ and osteonecrosis/) or osteonecrosis/di, dg (3213)
- 2 1 and (Femur Head/ or Humeral Head/ or Talus/ or Upper Extremity/ or Joints/ or Shoulder Joint/ or Humerus/) (501)
- 3 1 and (Prednisolone/ or Glucocorticoids/ or Diphosphonates/ or Pharmacogenetics/) (345)
- 4 1 and ("Sensitivity or Specificity"/ or Risk Factors/ or Predictive Value of Tests/) (262)
- 5 1 and (diffuse or systemic or multifocal or talus or drug induced or humer\$2 or joint\*).tw. (1011)
- 6 1 and (Follow-Up Studies/ or Comparative Study/ or Multicenter Study/ or Prospective Studies/ or Cohort Studies/ or Retrospective Studies/) (980)
- 7 femur head necrosis/dg (1642)
- 8 exp diagnostic imaging/ and Osteonecrosis/ci (351)
- 9 (Shoulder Osteonecrosis and imaging).tw. (2)
- 10 or/2-6 (2016)
- 11 7 or 8 or 9 or 10 (3676)
- 12 limit 11 to (abstracts and english language and yr="2014 -Current") (572)
- 13 (jaw or mandible).ti. and 12 (30)
- 14 Mandibular Diseases/ and 12 (7)
- 15 13 or 14 (32)
- 16 12 not 15 (540)
- 17 limit 16 to "humans only (removes records about animals)" (511)
- 18 limit 17 to children - focussed (43)
- 19 17 not 18 (468)
- 20 limit 19 to case reports (78)
- 21 19 not 20 (390)

**Summary**

---

| Source                | #Unique Refs | #Retained Refs |
|-----------------------|--------------|----------------|
| Old bibliography      | 67           | 8              |
| Literature Search(es) | 389          | 19             |
| Author Added          | 27           | 23             |
| Supporting Docs       | 3            | 3              |
| Total                 |              | 53             |

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.