**Literature Search**

**ACR Appropriateness Criteria®**

**Imaging After Shoulder Arthroplasty**

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**Literature Search Performed on:** 04/13/2021  
**Beginning Date:** January 2017  
**End Date:** March 2021  
**Database:** Ovid MEDLINE(R) ALL <1946 to April 12, 2021>

**Search Strategy**

1. (Spect ct and (blood pool or shoulder or arthroplasty or Osteomyelitis)).tw. (181)  
2. limit 1 to (abstracts and english language and yr="2017 -Current") (79)

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**Literature Search Performed on:** 08/25/2020  
**Beginning Date:** January 2017  
**End Date:** July 2020  
**Database:** Ovid MEDLINE(R) ALL <1946 to August 24, 2020>

**Search Strategy**

1. *Arthroplasty, Replacement, Shoulder/ (984)  
2. *Body Mass Index/ (21134)  
3. 1 and 2 (4)  
4. *Arthroplasty, Replacement, Shoulder/td (15)  
5. Hemiarthroplasty/td (26)  
6. 4 and 5 (4)  
7. (bone marrow edema and CT and occult fractures).tw. (6)  
8. 3 or 6 or 7 (14)  
9. limit 8 to (abstracts and english language and yr="2017 -Current") (11)

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**Literature Search Performed on:** 11/18/2019  
**Beginning Date:** January 2015  
**End Date:** October 2019  
**Database:** Ovid MEDLINE(R) ALL <1946 to November 15, 2019>

**Search Strategy**

1. Shoulder joint/ and (Arthroplasty, Replacement/ or Joint Prosthesis/ or Joint Instability/ or Joint Prosthesis/ or Prosthesis-Related Infections/ or Prosthesis Failure/ or Postoperative Complications/ or Osteolysis/ or Pain, Postoperative/) (5685)  
2. Rotator Cuff Injuries/ and (Arthroplasty, Replacement/ or Arthroplasty, Replacement/ or Prosthesis Failure/ or Prosthesis-Related Infections/ or Joint Instability/ or Pain, Postoperative/) (665)  
3. Postoperative Complications/ and (Shoulder joint/ or Shoulder Prosthesis/ or Shoulder Impingement Syndrome/ or Arthroplasty, Replacement/ or Shoulder Pain/) (1596)  
4. Arthroplasty, Replacement, Shoulder/ (874)  
5. 1 or 2 or 3 or 4 (7180)  
6. exp Diagnostic Imaging/ (2575539)  
7. 5 and 6 (2157)  
8. limit 7 to (abstracts and english language and yr="2015 -Current") (499)  
9. (shoulder arthroplasty and imaging).tw. (146)  
10. (prosthetic or prosthesis or shoulder arthroplasty).tw. (100818)  
11. (radionuclide or nuclear medicine or Spect).tw. (62269)  
12. 10 and 11 (253)  
13. 9 or 12 (396)  
14. limit 13 to (abstracts and english language and yr="2018 -Current") (72)  
15. 8 or 14 (562)
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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