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)  

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)  

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.

### Summary

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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.