Literature Search

ACR Appropriateness Criteria®

Imaging after Total Hip Arthroplasty

Literature Search Performed on: 08/26/2021

Beginning Date: January 2020

End Date: July 2021

Database: Ovid MEDLINE(R) ALL <1946 to August 25, 2021>

Search Strategy

1 Arthroplasty, Replacement, Hip/ or Hip Prosthesis/ or (Prosthesis Failure/ and hip.tw.) or (hip arthroplasty or hip replacement or trochanteric pain or trochanteric bursitis or abductor injury or abductor pain).tw. (52923)

2 (pain and (hip prosthest* or hip replacement or hip arthroplast*)).tw. (5827)

3 (anesthetic injection or corticosteroid injection or hip injection or steroid injection or intraarticular injection or periarticular injection or diagnostic injection or guided injection or bupivacaine).tw. (20232)

4 Anesthetics, Local/ or Injections, Intra-Articular/ or Bupivacaine/ (48472)

5 (1 or 2) and (3 or 4) (617)

6 limit 5 to (abstracts and english language and yr="2020 -Current") (62)

7 limit 6 to case reports (7)

8 6 not 7 (55)

Literature Search Performed on: 08/25/2021

Beginning Date: January 2020

End Date: July 2021

Database: Ovid MEDLINE(R) ALL <1946 to August 24, 2021>

Search Strategy

1 (Asymptomatic or symptomatic or Pain or infection or trauma or injury or Trunnionosis or Bursitis or wear or loosening or osteolysis or fracture or failure or instability).tw. (3665559)

2 (hip arthroplasty or hip prosthe* or hip joint).tw. (38636)

3 (compute* tomography or ct or MRI or magnetic resonance imaging or xray or radiograph* or sodium fluoride pet or fluoride pet or ultrasound or ultrasonography or gallium or sulfur colloid or arthrograph* or anesthetic injection or corticosteroid injection or hip injection).tw. (1327493)

4 (bone scan or bone scintigraphy or aspiration or white blood cell scan or labeled leukocyte scan or wbc scan or white blood cell imaging or labeled leukocyte imaging or wbc imaging).tw. (94755)

5 3 or 4 (1393368)

6 1 and 2 and 5 (5607)

7 Arthroplasty, Replacement, Hip/ or Hip Prosthesis/ (43392)

8 Prosthesis-Related Infections/ and (hip.tw. or Hip Joint/ or Hip Prosthesis/ or Hip/) (2735)

9 5 and (7 or 8) (8390)

10 6 or 9 (10489)

11 limit 10 to (abstracts and english language and humans and yr="2020 -Current") (705)

12 limit 11 to "all child (0 to 18 years)" (41)

13 11 not 12 (664)

14 limit 13 to case reports (40)

15 13 not 14 (624)

16 15 not Treatment Outcome/ (458)

Literature Search Performed on: 02/24/2020

Beginning Date: January 2015

End Date: January 2020

Database: Ovid MEDLINE(R) ALL <1946 to February 21, 2020>

Search Strategy

Literature Search

ACR Appropriateness Criteria®

Imaging after Total Hip Arthroplasty

1 exp Diagnostic Imaging/ and Prosthesis Failure/ and Arthroplasty, Replacement, Hip/ (1957)

2 (Radiostereometric Analysis/ and Follow-Up Studies/) or (Asymptomatic Diseases/ and Metal-on-Metal Joint Prostheses/) or (Foreign-Body Migration/ and Postoperative Complications/) or (Postoperative Complications/ and Reoperation/) (28258)

3 Postoperative Complications/ and Artifacts/ and Image Enhancement/ (23)

4 Chromium Alloys/ and hip joint/ (137)

5 Osteoarthritis, Hip/ and Hip Dislocation/ and Treatment Outcome/ (128)

6 Hip Prosthesis/ and (Postoperative Complications/ or Radiostereometric Analysis/ or Metal-on-Metal Joint Prostheses/ or Polyethylene/ or Prosthesis Design/ or Artifacts/ or reoperation/) (13405)

7 reoperation/ and hip joint/ and (Metal-on-Metal Joint Prostheses/ or Joint Diseases/) (201)

8 2 or 3 or 4 or 5 or 6 or 7 (40588)

9 1 and 8 (1427)

10 limit 9 to yr="2015 -Current" (336)

11 exp Diagnostic Imaging/ and Prosthesis Failure/ and Hip Prosthesis/ and (Radiostereometric Analysis/ or Polyethylene/) (306)

12 limit 11 to yr="2015 -Current" (116)

13 10 or 12 (344)

14 exp Diagnostic Imaging/ and (periprosthetic joint infection or periprosthetic infection or prosthetic infection).tw. (183)

15 exp Diagnostic Imaging/ and Prosthesis-Related Infections/ and (Hip Joint/ or Arthroplasty, Replacement, Hip/ or Hip Prosthesis/) (354)

16 exp Diagnostic Imaging/ and Arthroplasty, Replacement, Hip/ and Hip Prosthesis/ and reoperation/ and infection.tw. and (Foreign-Body Reaction/ or Arthralgia/) (10)

17 14 or 15 or 16 (508)

18 13 or 17 (839)

19 (Arthroplasty, Replacement, Hip/ and Hip Prosthesis/ and (Prosthesis Failure/ and Foreign-Body Reaction/ and Metal-on-Metal Joint Prostheses/ and Prosthesis-Related Infections/)) or (Prosthesis Failure/ and Joint Diseases/ and Hip Joint/) or (Prosthesis Failure/ and Metal-on-Metal Joint Prostheses/ and Femoral Neck Fractures/ and Reoperation/) or (Foreign-Body Reaction/ and Metal-on-Metal Joint Prostheses/ and Soft Tissue Infections/ and reoperation/) (114)

20 (exp Diagnostic Imaging/ and *Arthroplasty, Replacement, Hip/ and Hip Prosthesis/ and (Disease Progression/ and Follow-Up Studies/ and Prosthesis Design/)) or (Metal-on-Metal Joint Prostheses/ and Postoperative Care/ and Reoperation/) (11)

21 18 or 19 or 20 (957)

22 limit 21 to yr="2015 -Current" (461)

23 remove duplicates from 22 (461)

Summary

Source	#Unique Refs	#Retained Refs
Old bibliography	167	53
Literature Search(es)	964	21
Author Added	52	51
Supporting Docs	1	1
Total		126

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.