

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Chronic Hip Pain**

Literature Search Performed on: 6/27/2016

Beginning Date: January 1999

End Date: May 2015

Database: Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

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- 1 Hip/ or Hip Joint/ (35768)
  - 2 Osteonecrosis/ (6507)
  - 3 Osteoma, Osteoid/ (2769)
  - 4 femoroacetabular.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (1649)
  - 5 Synovitis, Pigmented Villonodular/ (1058)
  - 6 Osteochondromatosis/ (165)
  - 7 labr\$ tear.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (457)
  - 8 Osteoarthritis, Hip/ (7939)
  - 9 1 and (2 or 3 or 4 or 5 or 6 or 7) (1273)
  - 10 chronic hip pain.mp. (89)
  - 11 8 or 9 or 10 (9107)
  - 12 exp Diagnostic Imaging/ (2077977)
  - 13 11 and 12 (1405)
  - 14 limit 13 to "all child (0 to 18 years)" (263)
  - 15 13 not 14 (1142)
  - 16 limit 15 to (abstracts and english language and humans and yr="2010 -Current") (514)
  - 17 limit 16 to case reports (49)
  - 18 16 not 17 (465)
  - 19 remove duplicates from 18 (390)

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Literature Search Performed on: 5/27/2016

Beginning Date: January 2013

End Date: April 2015

Database: Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

- 
- 1 labral tear.tw. (390)
  - 2 labral tear.kw. (41)
  - 3 tendonitis.tw. (821)
  - 4 tendonitis.kw. (66)
  - 5 impingement.tw. (7930)
  - 6 impingement.kw. (113)
  - 7 articular cartilage.tw. (19035)
  - 8 articular cartilage.kw. (527)
  - 9 (pigmented villonodular synovitis or osteochondromatosis).tw. (1665)
  - 10 (pigmented villonodular synovitis or osteochondromatosis).kw. (52)
  - 11 hip arthroplasty.tw. (17106)
  - 12 hip arthroplasty.kw. (308)

- 13 Computer navigation.tw. (607)
- 14 Computer navigation.kw. (55)
- 15 13 or 14 (629)
- 16 11 or 12 (17211)
- 17 15 and 16 (66)
- 18 Chronic hip pain.tw. (89)
- 19 Chronic hip pain.kw. (2)
- 20 hip.tw. (118915)
- 21 hip.kw. (1977)
- 22 hip pain.tw. (2791)
- 23 hip pain.kw. (55)
- 24 pain/ or chronic pain/ (136360)
- 25 hip/ (11702)
- 26 24 and 25 (515)
- 27 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 17 (29770)
- 28 25 and 27 (179)
- 29 20 or 21 (119399)
- 30 24 and 29 (2640)
- 31 18 or 19 or 22 or 23 or 26 or 28 or 30 (5177)
- 32 remove duplicates from 31 (4785)
- 33 limit 32 to yr="1999 -Current" (3447)
- 34 limit 33 to "all child (0 to 18 years)" (663)
- 35 33 not 34 (2784)
- 36 limit 35 to case reports (620)
- 37 35 not 36 (2164)

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Literature Search Performed on: 5/27/2015  
 Beginning Date: January 2013  
 End Date: April 2015

Database: Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

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- 1 Tendinopathy/ (5197)
  - 2 Synovitis, Pigmented Villonodular/ (1058)
  - 3 Osteochondromatosis/ (165)
  - 4 Osteoma, Osteoid/ (2769)
  - 5 Pain/ (128416)
  - 6 Tendons/ (25257)
  - 7 Muscles/ (150012)
  - 8 Femoracetabular Impingement/ (973)
  - 9 Bone Neoplasms/ (59183)
  - 10 intra-articular hip pathology.mp. (28)
  - 11 extra-articular hip pathology.mp. (5)
  - 12 Athletic Injuries/ (24176)
  - 13 Bursitis/ (3190)
  - 14 Arthritis/ (35404)
  - 15 Cartilage, Articular/ (28864)
  - 16 Arthroplasty/ (8275)
  - 17 Bursa, Synovial/ (1061)
  - 18 Muscle, Skeletal/ (135833)
  - 19 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 (583059)
  - 20 Hip/ or Hip Joint/ (35768)
  - 21 19 and 20 (8853)
  - 22 Hip Injuries/ (1960)

- 23 Osteoarthritis, Hip/ (7939)
- 24 Hip Prosthesis/ (21771)
- 25 exp diagnostic imaging/ (2077977)
- 26 21 or 22 or 23 or 24 (37388)
- 27 25 and 26 (4519)
- 28 Osteoarthritis, Hip/ra, us [Radiography, Ultrasonography] (1531)
- 29 Femoracetabular Impingement/ra, us [Radiography, Ultrasonography] (296)
- 30 27 or 28 or 29 (5858)
- 31 limit 30 to "all child (0 to 18 years)" (874)
- 32 30 not 31 (4984)
- 33 limit 32 to (abstracts and english language and humans and yr="2013 -Current") (932)
- 34 limit 33 to case reports (73)
- 35 33 not 34 (859)
- 36 remove duplicates from 35 (730)

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Literature Search Performed on: 7/18/2013

Beginning Date: January 2010

End Date: June 2013

Database: Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

- 
- 1 Hip/ or Hip Joint/ (35768)
  - 2 Pain/ (128416)
  - 3 1 and 2 (1440)
  - 4 chronic hip pain.mp. (89)
  - 5 exp diagnostic imaging/ (2077977)
  - 6 (3 or 4) and 5 (294)
  - 7 limit 6 to (abstracts and english language and humans and yr="2010 -Current") (67)
  - 8 limit 7 to case reports (27)
  - 9 7 not 8 (40)
  - 10 remove duplicates from 9 (38)

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Literature Search Performed on: 7/3/2013

Beginning Date: January 2010

End Date: June 2013

Database: Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

- 
- 1 Hip/ or Hip Joint/ (35768)
  - 2 Osteonecrosis/ (6507)
  - 3 Osteoma, Osteoid/ (2769)
  - 4 femoroacetabular.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (1649)
  - 5 Synovitis, Pigmented Villonodular/ (1058)
  - 6 Osteochondromatosis/ (165)
  - 7 labr\$ tear.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (457)
  - 8 Osteoarthritis, Hip/ (7939)
  - 9 1 and (2 or 3 or 4 or 5 or 6 or 7) (1273)

- 10 chronic hip pain.mp. (89)
  - 11 8 or 9 or 10 (9107)
  - 12 exp Diagnosis/ (7744737)
  - 13 11 and 12 (5250)
  - 14 limit 13 to "all child (0 to 18 years)" (848)
  - 15 13 not 14 (4402)
  - 16 limit 15 to (abstracts and english language and humans and yr="2010 -Current") (1971)
  - 17 limit 16 to case reports (114)
  - 18 16 not 17 (1857)
  - 19 remove duplicates from 18 (1561)
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### **Literature Search Summary**

Of the 89 citations in the original bibliography, 57 were retained in the final document.

A literature search was conducted in July 2013, June 2015, May 2016, and June 2016 to identify additional evidence published since the *ACR Appropriateness Criteria® Chronic Hip Pain* topic was finalized. Using the search strategies described above, 4883 articles were found. Thirty-five articles were added to the bibliography. One thousand four hundred ninety-two articles were not used as they were duplicates already cited in the original bibliography or captured in more than one literature search. The remaining articles were not used due to either poor study design, the articles were not relevant or generalizable to the topic, or the results were unclear or biased.

The author added 9 citations from bibliographies, websites, or books that were not found in the literature searches.

Five citations are supporting documents that were added by staff.