

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

Literature Search Performed on: 07/16/2017

Beginning Date: January 2004

End Date: June 2017

Database: Ovid MEDLINE(R) 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 Bursitis/ or Synostosis/ or Nerve Block/ or Injections, Intra-Articular/ or Tendinopathy/ or Arthritis/ or Joint Instability/ or Joint Diseases/ or Joint Loose Bodies/ or Osteochondritis/ or Osteoarthritis/ or Ankle Injuries/ or Foot Injuries/ or Ankle Fractures/ or Intra-Articular/fractures or Fractures, Stress/ or Neuroma/ (164351)
  - 2 Achilles Tendon/ or exp foot joints/ or exp Foot Bones/ or exp Foot/ (85403)
  - 3 1 and 2 (14946)
  - 4 exp diagnostic imaging/ (2576773)
  - 5 3 and 4 (5602)
  - 6 limit 5 to (abstracts and english language and humans and yr="2004 -Current") (2126)
  - 7 limit 6 to case reports (357)
  - 8 6 not 7 (1769)
  - 9 remove duplicates from 8 (1447)

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Literature Search Performed on: 06/16/2017

Beginning Date: January 2015

End Date: May 2017

Database: Ovid MEDLINE(R) 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 Ankle/ or Ankle Joint/ (21378)
  - 2 impingement.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, synonyms] (8734)
  - 3 instability.mp. or Joint Instability/ (107710)
  - 4 Arthritis/ (34599)
  - 5 osteochondral.mp. (5409)
  - 6 Osteochondritis/ (5777)
  - 7 Osteochondritis Dissecans/ (1491)
  - 8 Tendinopathy/ (5243)
  - 9 1 and (2 or 3 or 4 or 5 or 6 or 7 or 8) (3194)
  - 10 Ankle Injuries/ (9276)
  - 11 exp diagnostic imaging/ (2408565)
  - 12 (9 or 10) and 11 (3753)
  - 13 limit 12 to "all child (0 to 18 years)" (1236)
  - 14 12 not 13 (2517)
  - 15 limit 14 to (abstracts and english language and humans and yr="2015 -Current") (143)
  - 16 limit 15 to case reports (24)
  - 17 15 not 16 (119)
  - 18 remove duplicates from 17 (101)

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Literature Search Performed on: 04/16/2015

Beginning Date: January 2010

End Date: March 2015

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

Search Strategy:

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- 1 Ankle/ or Ankle Joint/ (17485)
  - 2 impingement.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] (6665)
  - 3 instability.mp. or Joint Instability/ (88164)
  - 4 Arthritis/ (24378)
  - 5 osteochondral.mp. (4192)
  - 6 Osteochondritis/ (5536)
  - 7 Osteochondritis Dissecans/ (1166)
  - 8 Tendinopathy/ (4337)
  - 9 1 and (2 or 3 or 4 or 5 or 6 or 7 or 8) (2450)
  - 10 Ankle Injuries/ (7777)
  - 11 exp diagnostic imaging/ (1784991)
  - 12 (9 or 10) and 11 (1290)
  - 13 limit 12 to "all child (0 to 18 years)" (408)
  - 14 12 not 13 (882)
  - 15 limit 14 to (abstracts and english language and humans and yr="2010 -Current") (192)
  - 16 limit 15 to case reports (38)
  - 17 15 not 16 (154)
  - 18 remove duplicates from 17 (151)
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### Literature Search Summary

Of the 59 citations in the original bibliography, 50 were retained in the final document.

A literature search was conducted in April 2015, June 2017, and July 2015 to identify additional evidence published since the ACR Appropriateness Criteria<sup>®</sup> Chronic Ankle Pain topic was finalized. Using the search strategies described above, 1,359 unique articles were found. Thirty-eight articles were added to the bibliography. 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 3 citations from bibliographies, websites, or books that were not found in the literature search.

Five citations are supporting documents that were added by staff.