

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Acute Shoulder Pain**

Literature Search Performed on: 01/05/2024

Beginning Date: January 2005

End Date: December 2023

Database: Ovid MEDLINE(R) ALL <1946 to January 04, 2024>

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**Search Strategy**

1 (bone scan or bone Scintigraphy or skeletal scintigraphy or ultrasound or ultrasonography or computed tomography or magnetic resonance imaging or magnetic resonance or mri or radiograph\* or x-ray or xray or positron emission tomography or pet ct or magnetic resonance arthrography).tw,kw. (1845543)

2 (fracture\* and clavicle).ti. (1835)

3 ((glenoid or superior) and (labrum or labral)).ti. (590)

4 1 and (2 or 3) (625)

5 limit 4 to yr="2005 -Current" (534)

6 limit 5 to case reports (100)

7 5 not 6 (434)

8 limit 7 to "all child (0 to 18 years)" (125)

9 limit 8 to "all adult (19 plus years)" (99)

10 (7 not 8) or 9 (408)

11 10 not (adolescen\* or babies or baby or boy\* or child\* or girl\* or infancy or infant\* or juvenile\* or neonat\* or newborn\* or nurser\* or paediatric\* or pediatric\* or preschool\* or "school age\*" or schoolchildren\* or teen\* or toddler\* or youth\*).ti. (390)

12 10 not 11 (18)

13 11 not (animal or animals or canine\* or dog or dogs or feline or hamster\* or lamb or lambs or mice or monkey or monkeys or mice or mouse or murine or pig or piglet\* or pigs or porcine or primate\* or rabbit\* or rat or rats or rodent\* or sheep\* or swine or horse\* or stallion\* or chick\*3 or veterinar\* or rooster\* or snake\* or theriogenolog\*).ti,so. (390)

14 limit 13 to animals (0)

15 13 not 14 (390)

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Literature Search Performed on: 08/15/2023

Beginning Date: January 2017

End Date: July 2023

Database: Ovid MEDLINE(R) ALL <1946 to August 14, 2023>

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**Search Strategy**

1 exp diagnostic imaging/ and (\*shoulder injuries/ or \*rotator cuff injuries/ or \*shoulder dislocation/ or \*shoulder fractures/ or bankart lesions/ or \*shoulder joint/) (9392)

2 exp \*diagnostic imaging/ and (shoulder injuries/ or rotator cuff injuries/ or shoulder dislocation/ or shoulder fractures/ or bankart lesions/ or shoulder joint/) (2756)

3 shoulder injuries/dg or rotator cuff injuries/dg or shoulder dislocation/dg or shoulder fractures/dg or bankart lesions/dg or shoulder joint/dg or shoulder pain/dg (7582)

4 ((Fractures, Closed/dg or Fractures, Bone/dg) and (\*scapula/ or \*Clavicle/ or \*shoulder/ or \*shoulder joint/)) or ((\*Fractures, Closed/ or \*Fractures, Bone/) and (scapula/dg or Clavicle/dg or shoulder/dg or shoulder joint/dg)) (973)

5 or/1-4 (12432)

6 occult.af. and (exp "shoulder fractures"/ or (shoulder and fractures).af. or "shoulder fractures".af. or (shoulder and fracture).af. or "shoulder fracture".af.) and ("image s" or imaged or imager or "imager s" or imagers or images or imaging).af. (23)

7 (bone scan or bone Scintigraphy or skeletal scintigraphy or ultrasound or ultrasonography or computed tomography or magnetic resonance imaging or magnetic resonance or mri or radiograph\* or x-ray or xray or positron emission tomography or pet ct or magnetic resonance arthrography).ti,kw. (598075)

8 (occult shoulder fracture or proximal humer\* fracture or clavic\* fracture or scapula\* fracture or shoulder dislocation or shoulder reduction or bankart lesion\* or hill sachs lesion\* or rotator cuff tear or shoulder labr\* tear or glenoid tear).ti,kw. (5786)

9 (7 and 8) or 6 (510)

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- 10 5 or 9 (12606)
- 11 limit 10 to (abstracts and english language and yr="2017 -Current") (3506)
- 12 limit 11 to (autobiography or bibliography or biography or case reports) (272)
- 13 11 not (12 or case report\*.af.) (3222)
- 14 13 not (Arthroplasty, Replacement, Shoulder/ or Arthroplasty, Replacement/ or joint Prosthesis/ or Hemiarthroplasty/ or Pain, Postoperative/ or Osteoarthritis, Hip/ or Intraoperative Complications/ or postoperative complications/ or activities of daily living/ or bone nails/ or reoperation/ or postoperative period/ or operative time/ or plastic surgery procedures/ or blood loss, surgical/ or artificial intelligence/ or intraoperative care/ or case study.af. or shoulder arthroplasty.af. or rotator cuff repair.af. or perinatal.af. or acellular dermal matrix.af. or Bone Plates/ or Treatment outcome/ or radiomics.af. or vaccine\*.af. or body mass.af.) (1410)
- 15 limit 14 to "all child (0 to 18 years)" (219)
- 16 limit 15 to "all adult (19 plus years)" (164)
- 17 (14 not 15) or 16 (1355)
- 18 limit 17 to animals (51)
- 19 17 not 18 (1304)
- 20 (exp Sensitivity/ and Specificity/) or (sensitivity or specificity).tw. or (predictive adj3 value\*).tw. or false positive\*.tw. or false negative\*.tw. or observer variation\*.tw. or (likelihood adj3 ratio\*).tw. or prognosis/ or (prognos\* and (value or criteria or finding or score or study)).tw. or area under the curve.tw. or roc curve\*.tw. or (diagnos\* adj3 (performance\* or accurac\* or utilit\* or value\* or efficien\* or effectiveness)).tw. or gold standard.tw. or reference standard.tw. or receiver operating characteristic.tw. or true positive.tw. or true negative.tw. or accuracy.tw. or detection rate.tw. or Retrospective studies/ or Prospective Studies/ or retrospective.tw. or prospective.tw. or interobserver agreement.tw. or inter-observer agreement.tw. (4664177)
- 21 19 and 20 (731)

**Summary**

Source	#Unique Refs	#Retained Refs
Old bibliography	91	42
Literature Search(es)	1085	13
Author Added	4	1
Supporting Docs	4	3
Total		59

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.