NORMAL VARIANTS


CONGENITAL ABNORMALITIES


**TRAUMA**

**Fractures/Dislocations/Complications**

a. General Principles and Technique


b. Spine

Daffner RH, et al. ACR appropriateness criteria on suspected spine trauma. Last review date 2012.


c. Upper Extremity


d. Pelvis/Acetabulum


Lower Extremity


**Myotendinous Injury**


**Ligament**


**Neurovascular**


Articular

Huang M, Schweitzer ME. The role of radiology in the evolution of the understanding of articular disease. Radiology 2014; 273(2 Suppl): S1-22


Stress


**Child Abuse**


**INFECTION**


Vaidyanathan S, Patel CN, Scarsbrook AF, Chowdhury FU. FDG PET/CT in infection and inflammation--current and emerging clinical applications. Clin Radiol. 2015 Jul;70(7):787-800. doi: 10.1016/j.crad.2015.03.010

**Osseous**


ACR appropriateness criteria on suspected osteomyelitis in patients with diabetes mellitus. Revised 2012. [https://acsearch.acr.org/docs/69340/Narrative/](https://acsearch.acr.org/docs/69340/Narrative/)

**Soft tissue**


**Joints**


**Spine**


**ARTHRITIS**

**Osteoarthritis**


**Inflammatory**


**Crystalline**


Neuropathic


PVNS


NEOPLASMS


Osseous


Soft tissue


Tumor-like/sclerosing bone disease


Foot and ankle

**Upper extremity**


**Myeloma**


**Treatment monitoring**


**TOXIC/METABOLIC DISEASE**


**MARROW IMAGING**


**SPORTS AND INTERNAL DERANGEMENT**

**SHOULDER**


**ELBOW**

Elbow magnetic resonance imaging variants and pitfalls.

Nerve entrapment syndromes of the elbow, forearm, and wrist.

US of the elbow: indications, technique, normal anatomy, and pathologic conditions.

MR imaging of the elbow in the injured athlete.

Elbow Imaging in Sport: Sports Imaging Series.


HAND AND WRIST


Imaging key wrist ligaments: what the surgeon needs the radiologist to know.

Pitfalls of wrist MR imaging.
Malone WJ, Snowden R, Alvi F, Klena JC.

Extensor mechanism of the fingers: MR imaging-anatomic correlation.

MR imaging of ligament and tendon injuries of the fingers.
Clavero JA, Alomar X, Monill JM, Esplugas M, Golanó P, Mendoza M, Salvador A.


HIP


KNEE

MR Imaging of Cruciate Ligaments


MR Imaging of Extrasynovial Inflammation and Impingement About the Knee
Grando, Higor et al. Magnetic Resonance Imaging Clinics, Volume 22, Issue 4, 725 - 741

Magnetic Resonance Imaging of the Postoperative Meniscus
Boutin, Robert Downey et al. Magnetic Resonance Imaging Clinics, Volume 22, Issue 4, 517 - 555

Magnetic Resonance Imaging of Cartilage Repair Procedures
Michael C. Forney, Amit Gupta, Tom Minas, Carl S. Winalski


FOOT/ANKLE

Normal Magnetic Resonance Imaging Anatomy of the Ankle & Foot


US and MR imaging of the extensor compartment of the ankle.
Ng JM1, Rosenberg ZS, Bencardino JT, Restrepo-Velez Z, Ciavarra GA, Adler RS. Radiographics. 2013 Nov-Dec;33(7):2047-64.


Radiographics. 2015 Jan-Feb;35(1):164-78.


**Prosthesis**

**General**


**Hip**


Knee


Li AE, Sneag DB, Greditzer HG 4th, Johnson CC, Miller TT, Potter HG. Total Knee Arthroplasty: Diagnostic Accuracy of Patterns of Synovitis at MR Imaging. Radiology. 2016 May 27:152828

Shoulder


Elbow


Ankle


SPINE


Magnetic Resonance Imaging of Spinal Emergencies
Daniel Kawakyu-O’Connor, Ritu Bordia, Refky Nicola


INTERVENTIONAL MSK PROCEDURES


PHYSICS

CT

Lewis M, Reid K, Toms AP. Reducing the effects of metal artefact using high keV monoenergetic reconstruction of dual energy CT (DECT) in hip replacements. Skeletal Radiology. 2013;42(2):275-82. DOI: 10.1007/s00256-012-1458-6


MRI


US


General


Revised: February 2017/ttm