



Provider Led Entity

Appropriateness of Advanced Imaging in Patients with Knee Pain: Bibliography

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American College of Radiology, Society of Pediatric Radiology, Society of Skeletal Radiology. ACR-SPR-SSR practice parameter for the performance and interpretation of magnetic resonance imaging (MRI) of the knee. 2015 Resolution No. 6. Available from <https://www.acr.org/-/media/ACR/Files/Practice-Parameters/mr-knee.pdf?la=en>

Ahn JH, Jeong SH, Kang HW. Risk factors of false-negative magnetic resonance imaging diagnosis for meniscal tear associated with anterior cruciate ligament tear. Arthroscopy. 2016; 32(6):1147-1154.

Beaman FD, von Herrmann PF, Kransdorf MJ, Adler RS, Amini B, Appel M, Arnold E, Bernard SA, Greenspan BS, Lee KS, Tuite MJ, Walker EA, Ward RJ, Wessell DE, Weissman BN. ACR Appropriateness Criteria® Suspected Osteomyelitis, Septic Arthritis, or Soft Tissue Infection (Excluding Spine and Diabetic Foot). J Am Coll Radiol. 2017; 14(5S):S326-S337.

Beaufils P, Hulet C, Dhenain M, Nizard R, Nourissat G, Pujol N. Clinical practice guidelines for the management of meniscal lesions and isolated lesions of the anterior cruciate ligament of the knee in adults. Orthop Traumatol Surg Res. 2009; 95(6):437-442.

Bencardino JT, Stone TJ, Roberts CC, Appel M, Baccei SJ, Cassidy RC, Chang EY, Fox MG, Greenspan BS, Gyftopoulos S, Hochman MG, Jacobson JA, Mintz DN, Mlady GW, Newman JS, Rosenberg ZS, Shah NA, Small KM, Weissman BN. ACR Appropriateness Criteria® Stress (Fatigue/Insufficiency) Fracture, Including Sacrum Excluding Other Vertebrae. J Am Coll Radiol. 2017; 14(5S):S293-S306.

Blyth M, Anthony I, Francq B, Brooksbank K, Downie P, Powell A, Jones B, MacLean A, McConnachie A, Norrie J. Diagnostic accuracy of the Thessaly test, standardized clinical history and other clinical examination tests (Apley's, McMurray's and joint line tenderness) for meniscal tears in comparison with magnetic resonance imaging diagnosis. Health Technol Assess. 2015; 19(62):1-62.

Bussières AE, Taylor JA, Peterson C. Diagnostic imaging practice guidelines for musculoskeletal complaints in adults—an evidence-based approach. Part 1. Lower extremity disorders. J Manipulative Physiol Ther. 2007; 30(9):684-717.

Carotti M, Salaffi F, Di Carlo M, Giovagnoni A. Relationship between magnetic resonance imaging findings,

radiological grading, psychological distress and pain in patients with symptomatic knee osteoarthritis. *Radiol Med.* 2017; 122(12):934-943.

Coakley G, Mathews C, Field M, Jones A, Kingsley G, Walker D, Phillips M, Bradish C, McLachlan A, Mohammed R, Weston V; British Society for Rheumatology Standards, Guidelines and Audit Working Group. BSR & BHPR, BOA, RCGP and BSAC guidelines for management of the hot swollen joint in adults. *Rheumatology (Oxford)*. 2006; 45(8):1039-1041.

Decary S, Ouellet P, Vendittoli PA, Roy JS, Desmeules F. Diagnostic validity of physical examination tests for common knee disorders: An overview of systematic reviews and meta-analysis. *Phys Ther Sport*. 2017; 23:143-155.

Deshpande BR, Losina E, Smith SR, Martin SD, Wright RJ, Katz JN. Association of MRI findings and expert diagnosis of symptomatic meniscal tear among middle-aged and older adults with knee pain. *BMC Musculoskelet Disord*. 2016; 17:154. doi: 10.1186/s12891-016-1010-2.

Duncan ST, Khazzam MS, Burnham JM, Spindler KP, Dunn WR, Wright RW. Sensitivity of standing radiographs to detect knee arthritis: A systematic review of Level I studies. *Arthroscopy*. 2015; 31(2):321-328.

Fox MG, Chang EY, Amini B, Bernard SA, Gorbachova T, Ha AS, Iyer RS, Lee KS, Metter DF, Mooar PA, Shah NA, Singer AD, Smith SE, Taljanovic MS, Thiele R, Tynus KM, Kransdorf MJ. ACR Appropriateness Criteria® Chronic Knee Pain. *J Am Coll Radiol*. 2018; 15(11S):S302-S312.

Galea A, Giuffre B, Dimmick S, Coolican MR, Parker DA. The accuracy of magnetic resonance imaging scanning and its influence on management decisions in knee surgery. *Arthroscopy*. 2009; 25(5):473-480.

Hare KB, Stefan Lohmander L, Kise NJ, Risberg MA, Roos EM. Middle-aged patients with an MRI-verified medial meniscal tear report symptoms commonly associated with knee osteoarthritis. *Acta Orthop*. 2017; 88(6):664-669.

Harris JD, Brophy RH, Jia G, Price B, Knopp M, Siston RA, Flanigan DC. Sensitivity of magnetic resonance imaging for detection of patellofemoral articular cartilage defects. *Arthroscopy*. 2012; 28(11):1728-1737.

Heffernan EJ, Moran DE, Gerstenmaier JF, McCarthy CJ, Hegarty C, McMahon CJ. Accuracy of 64-section MDCT in the diagnosis of cruciate ligament tears. *Clin Radiol*. 2017; 72(7):611.e1-611.e8.

Herman AM, Marzo JM. Popliteal cysts: A current review. *Orthopedics*. 2014; 37(8):e678-684.

Karel YH, Verkerk K, Endenburg S, Metselaar S, Verhagen AP. Effect of routine diagnostic imaging for patients with musculoskeletal disorders: A meta-analysis. *Eur J Intern Med*. 2015. 26(8):585-595.

Kopka M, Mohtadi N, Naylor A, Walker R, Donald M, Frank C. The use of magnetic resonance imaging in acute knee injuries can be reduced by non-physician expert clinics. *Phys Sportsmed*. 2015; 43(1):30-36.

Kostov H, Arsovski O, Kostova E, Nikolov V. Diagnostic assessment in anterior cruciate ligament (ACL) tears. *Pril*. 2014; 35(1):209-218.

Meuffels DE, Poldervaart MT, Diercks RL, Fievez AW, Patt TW, Hart CP, Hammacher ER, Meer FV, Goedhart EA, Lenssen AF, Muller-Poleger SB, Pols MA, Saris DB. Guideline on anterior cruciate ligament injury. *Acta*

Orthop. 2012; 83(4):379-386.

Mustonen AO, Koivikko MP, Lindahl J, Koskinen SK. MRI of acute meniscal injury associated with tibial plateau fractures: Prevalence, type, and location. AJR Am J Roentgenol. 2008; 191(4):1002-1009.

National Clinical Guideline Centre (UK). Fractures (non-complex): Assessment and management. London: National Institute for Health and Care Excellence (UK); 2016 Feb.

Nguyen BJ, Burt A, Baldassarre RL, Smitaman E, Morshed M, Kao S, Chang EY, Obrzut S. The prognostic and diagnostic value of 18F-FDG PET/CT for assessment of symptomatic osteoarthritis. Nucl Med Commun. 2018; 39(7):699-706.

Non-Surgical Management of Hip and Knee Osteoarthritis Working Group. VA/DoD clinical practice guideline for the non-surgical management of hip and knee osteoarthritis. Department of Veterans Affairs, Department of Defense. Version 1.0 – 2014.

Nunes GS, Stapait EL, Kirsten MH, de Noronha M, Santos GM. Clinical test for diagnosis of patellofemoral pain syndrome: Systematic review with meta-analysis. Phys Ther Sport. 2013; 14(1):54-59.

Patel NK, Bucknill A, Ahearne D, Denning J, Desai K, Watson M. Early magnetic resonance imaging in acute knee injury: A cost analysis. Knee Surg Sports Traumatol Arthrosc. 2012; 20(6):1152-1158.

Phelan N, Rowland P, Galvin R, O'Byrne JM. A systematic review and meta-analysis of the diagnostic accuracy of MRI for suspected ACL and meniscal tears of the knee. Knee Surg Sports Traumatol Arthrosc. 2016; 24(5):1525-1539.

Picerno V, Filippou G, Bertoldi I, Adinolfi A, Di Sabatino V, Galeazzi M, Frediani B. Prevalence of Baker's cyst in patients with knee pain: An ultrasonographic study. Reumatismo. 2014; 65(6):264-270.

Robb G, Reid D, Arroll B, Jackson RT, Goodyear-Smith F. General practitioner diagnosis and management of acute knee injuries: Summary of an evidence-based guideline. N Z Med J. 2007; 16:120(1249):U2419.

Sakellariou G, Conaghan PG, Zhang W, Biklsma JW, Boyesen P, D'Agostino MA, Doherty M, Fodor D, Kloppenburg M, Miese F, Naredo E, Porcheret M, Iagnocco A. EULAR recommendations for the use of imaging in the clinical management of peripheral joint osteoarthritis. Ann Rheum Dis. 2017; 76(9):1484-1494.

Shea KG, Carey JL, Richmond J, Sandmeier R, Pitts RT, Polousky JD, Chu C, Shultz SJ, Ellen M, Smith A, LaBella CR, Anderson AF, Musahi V, Myer GD, Jevsevar D, Bozic KJ, Shaffer W, Cummins D, Murray JN, Patel N, Shores P, Woznicka A, Martinez Y, Gross L, Sevarino K; American Academy of Orthopaedic Surgeons. The American Academy of Orthopaedic Surgeons evidence-based guideline on management of anterior cruciate ligament injuries. J Bone Joint Surg Am. 2015; 97(8):672-674.

Smith C, McGarvey C, Harb Z, Back D, Houghton R, Davies A, Ajuiad A. Diagnostic efficacy of 3-T MRI for knee injuries using arthroscopy as a reference standard: A meta-analysis. AJR Am J Roentgenol. 2016; 207(2):369-377.

Smith TO, Drew BT, Toms AP, Donell ST, Hing CB. Accuracy of magnetic resonance imaging, magnetic resonance arthrography and computed tomography for the detection of chondral lesions of the knee. Knee Surg Sports Traumatol Arthrosc. 2012; 20(12):2367-2379.

Sohn DW, Bin SI, Kim JM, Lee BS, Kim SJ. Discoid lateral meniscus can be overlooked by magnetic resonance imaging in patients with meniscal tears. *Knee Surg Sports Traumatol Arthrosc.* 2018; 26(8):2317-2323.

Stannard JP, Lopez R, Volgas D. Soft tissue injury of the knee after tibial plateau fractures. *J Knee Surg.* 2010; 23(4):187-192.

Subhas N, Patel SH, Obuchowski NA, Jones MH. Value of knee MRI in the diagnosis and management of knee disorders. *Orthopedics.* 2014; 37(2):e109-116.

Tuite MJ, Kransdorf MJ, Beaman FD, Adler RS, Amini B, Appel M, Bernard SA, Dempsey ME, Fries IB, Greenspan BS, Khurana B, Mosher TJ, Walker EA, Ward RJ, Wessell DE, Weissman BN. ACR Appropriateness Criteria® Acute Trauma to the Knee. *J Am Coll Radiol.* 2015; 12(11):1164-1172.

Wylie JD, Makarewich CA, Working ZM, Jacobson L, Schmidt RL, Crim JR, Burks RT. Findings associated with knee pathology on MRI in patients without osteoarthritis. *J Am Acad Orthop Surg.* 2017; 25(11):780-786.

Yeo Y, Ahn JM, Kim H, Kang Y, Lee E, Lee JW, Kang HS. MR evaluation of the meniscal ramp lesion in patients with anterior cruciate ligament tear. *Skeletal Radiol.* 2018; 47(12):1683-1689.

Zhang M, Min Z, Rana N, Liu H. Accuracy of magnetic resonance imaging in grading knee chondral defects. *Arthroscopy.* 2013; 29(2):349-356.

Zhang W, Doherty M, Peat G, Bierma-Zeinstra MA, Arden NK, Bresnihan B, Herrero-Beaumont G, Kirschner S, Leeb BF, Lohmander LS, Mazières B, Pavelka K, Punzi L, So AK, Tuncer T, Watt I, Bijlsma JW. EULAR evidence-based recommendations for the diagnosis of knee osteoarthritis. *Ann Rheum Dis.* 2010; 69(3):483-489.