

**Knee Pain—Evidence-based Guidelines Included in the Recommendation Matrix**

Mean Guideline Scores and Scaled Scores across Domains of the AGREE II Instrument\*

Domain	Definition and Elements	ACR Appropriateness Criteria((R)) Imaging After Total Knee Arthroplasty. Journal of the American College of Radiology : JACR. 2017;14(11s):S421-s48.	American College of Radiology, ACR Appropriateness Criteria; nontraumatic knee pain, (2012), American College of Radiology.	American College of Radiology, ACR Appropriateness Criteria; primary bone tumors, (2013), American College of Radiology, 13 pgs.	Beaman FD, von Herrmann PF, Kransdorf MJ, et al. ACR Appropriateness Criteria((R)) Suspected Osteomyelitis, Septic Arthritis, or Soft Tissue Infection (Excluding Spine and Diabetic Foot). Journal of the American College of Radiology : JACR.	Beaufils P, Hulet C, Dhenain M, et al. 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):437-42.	Bussières AE1, 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 Nov-Dec;30(9):684-717.
<b>End Search Dates</b>		Jun-17	undetermined	undetermined	Feb-16	Jan-07	Aug-06
<b>Total Score</b>		119	110	112	111	108	105
<b>Rigor of Development over 50%</b>		Yes	Yes	Yes	Yes	Yes	Yes
<b>Overall Assessment</b>	Would you recommend this guideline for use in practice? (Yes, Yes with modifications, No)	Yes, Yes with modifications	Yes with modifications, Yes	Yes, Yes with modifications	Yes, Yes with modifications	Yes	Yes
<b>Overall Assessment Score</b>	Rate the overall quality of the guideline (Scale of 1 to 7) NOTE: this is not included in the total score	5.5	5	5	5	5	5.5
<b>Scope and Purpose</b>	<b>Domain Score</b>	19	17.5	14.5	15.5	15.5	19
	<b>Scaled Domain Score Percentage</b>	89%	81%	64%	69%	69%	89%
<b>Stakeholder Involvement</b>	<b>Domain Score</b>	14	13	14.5	14.5	11.5	10
	<b>Scaled Domain Score Percentage</b>	61%	56%	64%	64%	47%	39%
<b>Rigor of Development</b>	<b>Domain Score</b>	41.5	35.5	38	39	39.5	36
	<b>Scaled Domain Score Percentage</b>	70%	57%	63%	65%	66%	58%
<b>Clarity and Presentation</b>	<b>Domain Score</b>	20	20	20.5	19.5	15	17
	<b>Scaled Domain Score Percentage</b>	94%	94%	97%	92%	67%	78%
<b>Applicability</b>	<b>Domain Score</b>	16	16	16	14.5	16	12
	<b>Scaled Domain Score Percentage</b>	50%	50%	50%	44%	50%	33%
<b>Editorial Independence</b>	<b>Domain Score</b>	8.5	8	8.5	8	10.5	11
	<b>Scaled Domain Score Percentage</b>	54%	50%	54%	50%	71%	75%

\*Each question was rated on a Likert scale with a maximum of 7 points. The scores are averaged for each of the 2 reviewers. The scaled domain score is calculated as follows: (obtained score – minimum possible score) ÷ (maximum possible score – minimum possible score)

Knee Pain–Evidence-based Guidelines **Included** in the Recommendation Matrix

Mean Guideline Scores and Scaled Scores across Domains of the AGREE II Instrument\*

Domain	Definition and Elements	Carey JL, Shea KG. AAOS Clinical Practice Guideline: Management of Anterior Cruciate Ligament Injuries: Evidence-Based Guideline. The Journal of the American Academy of Orthopaedic Surgeons. 2015;23(5):e6-8.	Chambers HG, Shea KG, Carey JL. AAOS Clinical Practice Guideline: diagnosis and treatment of osteochondritis dissecans. The Journal of the American Academy of Orthopaedic Surgeons. 2011;19(5):307-9.	Coakley G, Mathews C, Field M, et al. BSR & BHPR, BOA, RCGP and BSAC guidelines for management of the hot swollen joint in adults. Rheumatology (Oxford, England). 2006;45(8):1039-41.	Department of Veterans Affairs Department of Defense. VA/DoD clinical practice guideline for the non-surgical management of hip and knee osteoarthritis. Washington DC: Department of Veterans Affairs, Department of Defense; 2014. p. 126.	Meuffels DE, Poldervaart MT, Diercks RL, et al. Guideline on anterior cruciate ligament injury. Acta orthopaedica. 2012;83(4):379-86.	National Clinical Guideline Centre. National Institute for Health and Care Excellence: Clinical Guidelines. Fractures (Non-Complex): Assessment and Management. London: National Institute for Health and Care Excellence (UK) Copyright (c) National Clinical
<b>End Search Dates</b>		Jun-13	Mar-10	March 2005; no search date on 2017 1-page update	Dec-12	Dec-09	Apr-15
<b>Total Score</b>		139	134	125	115	97	144
<b>Rigor of Development over 50%</b>		Yes	Yes	Yes	Yes	Yes	Yes
<b>Overall Assessment</b>	Would you recommend this guideline for use in practice? (Yes, Yes with modifications, No)	Yes	Yes	Yes		Yes with modifications, No	Yes
<b>Overall Assessment Score</b>	Rate the overall quality of the guideline (Scale of 1 to 7) NOTE: this is not included in the total score	6	6	5	6	3.5	6.5
<b>Scope and Purpose</b>	<b>Domain Score</b>	18.5	18.5	18.5	18	19	19.5
	<b>Scaled Domain Score Percentage</b>	86%	86%	86%	83%	89%	92%
<b>Stakeholder Involvement</b>	<b>Domain Score</b>	18	17.5	16.5	16.5	15.5	20
	<b>Scaled Domain Score Percentage</b>	83%	81%	75%	75%	69%	94%
<b>Rigor of Development</b>	<b>Domain Score</b>	52	49.5	41	40.5	32	48
	<b>Scaled Domain Score Percentage</b>	92%	86%	69%	68%	50%	83%
<b>Clarity and Presentation</b>	<b>Domain Score</b>	18.5	18	16.5	18.5	16	19.5
	<b>Scaled Domain Score Percentage</b>	86%	83%	75%	86%	72%	92%
<b>Applicability</b>	<b>Domain Score</b>	20	18.5	22.5	14.5	11	24.5
	<b>Scaled Domain Score Percentage</b>	67%	60%	77%	44%	29%	85%
<b>Editorial Independence</b>	<b>Domain Score</b>	12	12	10	7	3.5	12.5
	<b>Scaled Domain Score Percentage</b>	83%	83%	67%	42%	13%	88%

\*Each question was rated on a Likert scale with a maximum of 7 points. The scores are averaged for each of the 2 reviewers. The scaled domain score is calculated as follows: (obtained score – minimum possible score) ÷ (maximum possible score – minimum possible score)

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Mean Guideline Scores and Scaled Scores across Domains of the AGREE II Instrument\*

Domain	Definition and Elements	Osmon DR, Barbari EF, Berendt AR, et al. Diagnosis and management of prosthetic joint infection: clinical practice guidelines by the Infectious Diseases Society of America. Clinical infectious diseases : an official publication of the	Parvizi J, Della Valle CJ, AAOS Clinical Practice Guideline: diagnosis and treatment of periprosthetic joint infections of the hip and knee, (2010) Rosemont, Illinois, AAOS, 277 pgs.	Robb G, Reid D, Arroll B, et al. General practitioner diagnosis and management of acute knee injuries: summary of an evidence-based guideline. The New Zealand medical journal. 2007;120(1249):U2419.	Sakellariou G, Conaghan PG, Annual European Congress of Rheumatology et al. EULAR recommendations for the use of imaging in the clinical management of peripheral joint osteoarthritis. Ann Rheum Dis. 2017 Sep;76(9):1484-1494.	Tuite MJ, Daffner RH, Weissman BN, et al. ACR appropriateness criteria((R)) acute trauma to the knee. Journal of the American College of Radiology : JACR. 2012;9(2):96-103.	Zhang W, Doherty M, Peat G, et al. EULAR evidence-based recommendations for the diagnosis of knee osteoarthritis. Annals of the rheumatic diseases. 2010;69(3):483-9.
<b>End Search Dates</b>		Mar-11	Jan-09	undetermined	Jan-15	Jun-13	Jan-08
<b>Total Score</b>		109.5	130.5	115.5	108	116	113.5
<b>Rigor of Development over 50%</b>		Yes	Yes	Yes	Yes	Yes	Yes
<b>Overall Assessment</b>	Would you recommend this guideline for use in practice? (Yes, Yes with modifications, No)	Yes with modifications, Yes	Yes	Yes with modifications, no	Yes	Yes with modifications, Yes	Yes with modifications, Yes
<b>Overall Assessment Score</b>	Rate the overall quality of the guideline (Scale of 1 to 7) NOTE: this is not included in the total score	4.5	6	3	5	5.5	5
<b>Scope and Purpose</b>	<b>Domain Score</b>	17	16.5	18.5	16	18.5	16
	<b>Scaled Domain Score Percentage</b>	78%	75%	86%	72%	86%	72%
<b>Stakeholder Involvement</b>	<b>Domain Score</b>	13	18	18.5	11	14.5	14.5
	<b>Scaled Domain Score Percentage</b>	56%	83%	86%	44%	64%	64%
<b>Rigor of Development</b>	<b>Domain Score</b>	35	47	36	41	38.5	41
	<b>Scaled Domain Score Percentage</b>	56%	81%	58%	69%	64%	69%
<b>Clarity and Presentation</b>	<b>Domain Score</b>	16.5	17.5	17.5	18	20.5	15.5
	<b>Scaled Domain Score Percentage</b>	75%	81%	81%	83%	97%	69%
<b>Applicability</b>	<b>Domain Score</b>	18	20	16	15	15.5	16.5
	<b>Scaled Domain Score Percentage</b>	58%	67%	50%	46%	48%	52%
<b>Editorial Independence</b>	<b>Domain Score</b>	10	11.5	9	7	8.5	10
	<b>Scaled Domain Score Percentage</b>	67%	79%	58%	42%	54%	67%

\*Each question was rated on a Likert scale with a maximum of 7 points. The scores are averaged for each of the 2 reviewers. The scaled domain score is calculated as follows: (obtained score – minimum possible score) ÷ (maximum possible score – minimum possible score)

## Knee Pain AUC - Evidence-based Guidelines Included in the Recommendation Matrix

### Mean Guideline Scores and Scaled Scores across Domains of the AGREE II Instrument\*

AGREE II Domain	AGREE II Domain Topics	ACR. Fox, Chang, Amini, et al. ACR Appropriateness Criteria® Chronic Knee Pain. J Am Coll Radiol. 2018; 15(11S):S302-S312.
<b>Total Score EXCLUDING overall assessment score</b>		120.5
<b>Scaled Total Score Excluding overall assessment score</b>		69.7%
<b>Overall Assessment</b>	Would you recommend this guideline for use in practice?	Yes
<b>Overall Assessment Score</b>	Rate the overall quality of the guideline (Scale of 1 to 7) <b>NOTE:</b> The overall assessment score is not included in the total score	5.0
<b>Scope and Purpose</b>	<b>Domain Score</b>	16
	<b>Scaled Domain Score Percentage</b>	72.2%
<b>Stakeholder Involvement</b>	<b>Domain Score</b>	18
	<b>Scaled Domain Score Percentage</b>	83.3%
<b>Rigor of Development</b>	<b>Domain Score</b>	48
	<b>Scaled Domain Score Percentage</b>	83.3%
<b>Clarity and Presentation</b>	<b>Domain Score</b>	17.5
	<b>Scaled Domain Score Percentage</b>	80.56%
<b>Applicability</b>	<b>Domain Score</b>	9
	<b>Scaled Domain Score Percentage</b>	20.83%
<b>Editorial Independence</b>	<b>Domain Score</b>	12
	<b>Scaled Domain Score Percentage</b>	83.3%

\*Mean guidelines scores across domains of the AGREE II instrument. Each question was rated on a Likert scale with a maximum of 7 points. The scores are averaged for each of the 2 reviewers. The scaled domain score is calculated as follows: (obtained score – minimum possible score) ÷ (maximum possible score – minimum possible score)