Coronary Artery Disease AUC evidence project – 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	Akers et al - ACR Appropriateness Criteria® chronic chest pain-high probability of coronary artery disease. J Am Coll Radiol. 2017; 14(5S):S71-S80.	Fihn et al - 2012 ACCF/AHA/ACP/ AATS/PCNA/ SCAI/STS guideline for the diagnosis and management of patients with stable ischemic heart disease. Circulation. 2012; 126(25):3097-3137.	Ghoshhajra et al - ACR Appropriateness Criteria® asymptomatic patient at risk for coronary artery disease. American College of Radiology, 2020.	Goff et al - 2013 ACC/AHA guideline on the assessment of cardiovascular risk. Circulation. 2014; 129(25 Suppl 2):S49-S73.	Greenland et al - 2010 ACCF/AHA guideline for assessment of cardiovascular risk in asymptomatic adults. J Am Coll Cardiol. 2010; 56(25):e50-e103.	Greenland et al - ACCF/AHA 2007 clinical expert consensus document on coronary artery calcium scoring by computed tomography in global cardiovascular risk assessment and in evaluation of patients with chest pain. Circulation. 2007; 115(3):402-426.	Knuuti et al - 2019 ESC guidelines for the diagnosis and management of chronic coronary syndromes. Eur Heart J. 2020; 41(3):407-477.
Total Score EXCLUDING overall assessment score		105	136	108	126.5	126	108	116
Scaled Total Score Excluding overall assessment score		59%	82%	62%	75%	75%	62%	67%
Overall Assessment	Would you recommend this guideline for use in practice?	YES	YES	YES	YES	YES	YES	YES
Overall Assessment Score	Rate the overall quality of the guideline (Scale of 1 to 7) NOTE: The overall assessment score is not included in the total score	4.5	6	4.5	5.5	5.5	4.5	5
Scope and Purpose	Domain Score	15.5	19	15.5	17	17.5	15.5	15
	Scaled Domain Score Percentage	69%	89%	69%	78%	81%	69%	67%
Stakeholder Involvement	Domain Score	13.5	18	14	16	16	14	15
	Scaled Domain Score Percentage	58%	83%	61%	72%	72%	61%	67%
Rigor of Development	Domain Score	39.5	47.5	41	46	46.5	39	40
	Scaled Domain Score Percentage	66%	82%	69%	79%	80%	65%	67%
Clarity and Presentation	Domain Score	16	19	17.5	19	15.5	14.5	18.5
	Scaled Domain Score Percentage	72%	89%	81%	89%	69%	64%	86%
Applicability	Domain Score	13	19.5	12.5	18	17.5	15	18
	Scaled Domain Score Percentage	38%	65%	35%	58%	56%	46%	58%
Editorial Independence	Domain Score	7.5	13	7.5	10.5	13	10	9.5
	Scaled Domain Score Percentage	38%	92%	38%	71%	92%	67%	63%

*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)

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

AGREE II Domain	AGREE II Domain Topics	National Institute for Health and Care Excellence. Recent-onset chest pain of suspected cardiac origin: Assessment and diagnosis. NICE guideline CG95. 2010 (updated November 2016).	Schindler et al - Appropriate use criteria for PET myocardial perfusion imaging. J Nucl Med. 2020; 61(8):1221-1265.	Shah et al - ACR Appropriateness Criteria® chronic chest pain-noncardiac etiology unlikely-low to intermediate probability of coronary artery disease. J Am Coll Radiol. 2018; 15(11S):S283-S290.	Vogel-Claussen et al – ACR Appropriateness Criteria® dyspnea-suspected cardiac origin. J Am Coll Radiol. 2017; 14(5S):S127-S137.	White et al - ACR Appropriateness Criteria® suspected new-onset and known nonacute heart failure. J Am Coll Radiol. 2018; 15(11S):S418-S431.	Wolk et al - ACCF/AHA/ASE/ ASNC/HFSA/HRS/SCAI/SCCT/ SCMR/STS 2013 multimodality appropriate use criteria for the detection and risk assessment of stable ischemic heart disease. J Am Coll Cardiol. 2014; 63(4):380-406.
Total Score EXCLUDING overall assessment score		148.5	115	104.5	101	104	124.5
Scaled Total Score Excluding overall assessment score		91%	67%	59%	53%	59%	74%
Overall Assessment	Would you recommend this guideline for use in practice?	YES	YES	YES	YES	YES	YES
Overall Assessment Score	Rate the overall quality of the guideline (Scale of 1 to 7) NOTE: The overall assessment score is not included in the total score	6.5	5	4.5	4	4.5	5.5
Scope and Purpose	Domain Score	19.5	17	16	14.5	15	17.5
	Scaled Domain Score Percentage	92%	78%	72%	64%	67%	81%
Stakeholder Involvement	Domain Score	19	16.5	13.5	12.5	13.5	17
	Scaled Domain Score Percentage	89%	75%	58%	53%	58%	78%
Rigor of Development	Domain Score	52.5	39	38.5	38	39	41.5
	Scaled Domain Score Percentage	93%	65%	64%	63%	65%	70%
Clarity and Presentation	Domain Score	20.5	17.5	16.5	16.5	16.5	19
	Scaled Domain Score Percentage	97%	81%	75%	75%	75%	89%
Applicability	Domain Score	24.5	15.5	12.5	12	12.5	19.5
	Scaled Domain Score Percentage	85%	48%	35%	33%	33%	65%
Editorial Independence	Domain Score	12.5	9.5	7.5	7.5	7.5	10
	Scaled Domain Score Percentage	86%	63%	46%	46%	46%	67%

*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)