

Pulmonary Embolus 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	European Society for Vascular Surgery (Kakkos et al) 2021. Clinical practice guidelines on the management of venous thrombosis.	American Heart Association (Jaff et al) 2011. Management of massive and submassive pulmonary embolism, iliofemoral deep vein thrombosis, and chronic thromboembolic pulmonary hypertension.	American College of Physicians (Raja et al) 2015. Evaluation of patients with suspected acute pulmonary embolism.	Streiff et al 2016. Guidelines for the treatment of deep vein thrombosis and pulmonary embolism.	American Society of Hematology (Lim et al) 2018. Guidelines for management of venous thromboembolism: Diagnosis of venous thromboembolism.	National Institute for Health and Care Excellence (NICE) 2020. Venous thromboembolic diseases: Diagnosis, management and thrombophilia testing.	Spanish Society of Pneumology and Thoracic Surgery (Uresandi et al) 2013. National consensus on the diagnosis, risk stratification and treatment of patients with pulmonary embolism.
Total Score EXCLUDING overall assessment score		107.5	103.5	94	90	131	146	88
Scaled Total Score Excluding overall assessment score		61%	58%	51%	49%	78%	89%	47%
Overall Assessment	Would you recommend this guideline for use in practice?	Y	Y	Y	Y	Y	Y	Y
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	4.5	4	4	5.5	6.5	4
Scope and Purpose	Domain Score	19	14.5	11	10.5	20	20	10.5
	Scaled Domain Score Percentage	89%	64%	44%	42%	94%	94%	42%
Stakeholder Involvement	Domain Score	17	12	11.5	9.5	20	17.5	10.5
	Scaled Domain Score Percentage	78%	50%	47%	46%	94%	81%	42%
Rigor of Development	Domain Score	32	34.5	33	33	51	52	29
	Scaled Domain Score Percentage	50%	55%	52%	52%	90%	92%	44%
Clarity and Presentation	Domain Score	19.5	17	17.5	17.5	19	19.5	17.5
	Scaled Domain Score Percentage	92%	78%	81%	81%	89%	92%	81%
Applicability	Domain Score	16.5	15.5	15	14.5	21	24.5	10.5
	Scaled Domain Score Percentage	52%	48%	46%	44%	71%	85%	27%
Editorial Independence	Domain Score	3.5	10	6	5	12	12.5	7
	Scaled Domain Score Percentage	13%	67%	33%	25%	83%	88%	42%

*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	American College of Emergency Physicians (Wolf et al) 2018. Critical issues in the evaluation and management of adult patients presenting to the ED with suspected acute venous thromboembolic disease.	Thrombosis and Haemostasis Society of Australia and New Zealand (Tran et al) 2019. Diagnosis and management of venous thromboembolism.	British Thoracic Society (Howard et al) 2018. Initial outpatient management of pulmonary embolism.	American College of Radiology (Kirsch et al) 2022. ACR Appropriateness Criteria®: Acute chest pain – suspected pulmonary embolism.	European Society of Cardiology & European Respiratory Society (Konstantinides et al) 2019. Guidelines for the diagnosis and management of acute pulmonary embolism.	Society of Nuclear Medicine and Molecular Imaging (Waxman et al) 2017. Appropriate Use Criteria for ventilation-perfusion imaging in pulmonary embolism.	American College of Radiology (Hanley et al) 2018. ACR Appropriateness Criteria®: Suspected lower extremity deep vein thrombosis.
Total Score EXCLUDING overall assessment score		119.5	94.5	115	105.5	106.5	106	102
Scaled Total Score Excluding overall assessment score		70%	52%	67%	60%	61%	60%	57%
Overall Assessment	Would you recommend this guideline for use in practice?	Y	Y	Y	Y	Y	Y	Y
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	5.5	4	5	4.5	4.5	4.5	4.5
Scope and Purpose	Domain Score	18.5	16	16	14.5	18.5	17.5	16.5
	Scaled Domain Score Percentage	86%	72%	72%	64%	86%	81%	75%
Stakeholder Involvement	Domain Score	17.5	13	14	12.5	14.5	11.5	12
	Scaled Domain Score Percentage	81%	56%	61%	53%	64%	47%	50%
Rigor of Development	Domain Score	45.5	29	40	40.5	33.5	34.5	39
	Scaled Domain Score Percentage	78%	44%	67%	68%	53%	56%	65%
Clarity and Presentation	Domain Score	17.5	17.5	16	17.5	19.5	14.5	17.5
	Scaled Domain Score Percentage	81%	81%	72%	81%	92%	64%	80%
Applicability	Domain Score	11.5	12	19	11	12.5	16.5	9
	Scaled Domain Score Percentage	31%	33%	63%	29%	35%	52%	21%
Editorial Independence	Domain Score	9	7	10	9.5	8	11.5	8
	Scaled Domain Score Percentage	58%	54%	67%	63%	50%	79%	50%

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For use only in connection with development of AUC by the CDI Quality Institute’s Multidisciplinary Committee

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

AGREE II Domain	AGREE II Domain Topics	Canadian Thoracic Society (Helmersen et al) 2019. Diagnosis of chronic thromboembolic pulmonary hypertension.	American College of Radiology (Sirajuddin et al) 2022. ACR Appropriateness Criteria®: Suspected pulmonary hypertension.	ESC/ERS (Humbert et al) 2022. ESC/ERS guidelines for the diagnosis and treatment of pulmonary hypertension.	American College of Radiology (Beache et al) 2020. ACR Appropriateness Criteria®: Acute nonspecific chest pain-low probability of coronary artery disease.
Total Score EXCLUDING overall assessment score		120.5	103.5	124	107.5
Scaled Total Score Excluding overall assessment score		71%	58%	73%	61%
Overall Assessment	Would you recommend this guideline for use in practice?	Y	Y	Y	Y
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	5.5	4.5		4.5
Scope and Purpose	Domain Score	17	16	19	15.5
	Scaled Domain Score Percentage	78%	72%	89%	69%
Stakeholder Involvement	Domain Score	17	12.5	17.5	12.5
	Scaled Domain Score Percentage	78%	53%	81%	53%
Rigor of Development	Domain Score	44	39.5	42	40
	Scaled Domain Score Percentage	75%	66%	71%	67%
Clarity and Presentation	Domain Score	16	15	19.5	19
	Scaled Domain Score Percentage	72%	67%	92%	89%
Applicability	Domain Score	16	11	18	11
	Scaled Domain Score Percentage	50%	29%	58%	29%
Editorial Independence	Domain Score	10.5	9.5	8	9.5
	Scaled Domain Score Percentage	71%	63%	50%	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)