

CVA/TIA 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	AHA-ASA 2024 (Saposnik). Diagnosis and management of cerebral venous thrombosis.	EFNS 2010 (Irimia). Use of imaging in cerebrovascular disease.	ESVS 2023 (Naylor). Management of atherosclerotic carotid and vertebral artery disease.	ACR 2023 (Pannell). Cerebrovascular diseases – Stroke and stroke-related conditions.	USPSTF 2021. Screening for asymptomatic carotid artery stenosis.	Brott et al 2011. Guideline on the management of patients with extracranial carotid and vertebral artery disease.	ACEP 2016 (Lo). Critical issues in the evaluation of adult patients with suspected transient ischemic attack in the emergency department.
Total Score EXCLUDING overall assessment score		115	97	132	105	116	120.5	124
Scaled Total Score Excluding overall assessment score		67%	54%	79%	59%	67%	71%	73%
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	4	5.5	4.5	5	5	5.5
Scope and Purpose	Domain Score	16	15	18.5	14	18	15.5	18
	Scaled Domain Score Percentage	72%	67%	86%	61%	83%	69%	83%
Stakeholder Involvement	Domain Score	12.5	10	17.5	12.5	16.5	14.5	15
	Scaled Domain Score Percentage	53%	39%	81%	53%	75%	64%	67%
Rigor of Development	Domain Score	41.5	36.3	47.5	40.5	34.5	43.5	44
	Scaled Domain Score Percentage	70%	59%	82%	68%	55%	74%	75%
Clarity and Presentation	Domain Score	17.5	16	19.5	17.5	17.5	18	17
	Scaled Domain Score Percentage	81%	72%	92%	81%	81%	83%	78%
Applicability	Domain Score	18	11.3	19	11	18	17	21.5
	Scaled Domain Score Percentage	58%	31%	63%	29%	58%	54%	73%
Editorial Independence	Domain Score	9.5	8.3	10	9.5	11.5	12	8.5
	Scaled Domain Score Percentage	63%	53%	67%	63%	79%	83%	54%

*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	ACEP 2023 (Lo). Critical issues in the management of adult patients presenting to the emergency department of acute ischemic stroke.	NICE 2019. Stroke and transient ischaemic attack in over 16s: Diagnosis and management.	AHA/ASA 2019 (Powers). Guidelines for the early management of patients with acute ischemic stroke.	AHA/ASA 2017 (Smith). Prevention of stroke in patients with silent cerebrovascular disease.	AHA/ASA 2022 (Greenberg). Guidelines for the management of spontaneous intracerebral hemorrhage.	Canadian Stroke Best Practice Recommendations 2022: Acute Stroke Management, 7 th Edition, (Heran)
Total Score EXCLUDING overall assessment score		115.5	129	121.5	97.5	126	111
Scaled Total Score Excluding overall assessment score		67%	77%	71%	54%	75%	64%
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	5.5	5	4	5.5	5
Scope and Purpose	Domain Score	16	17.5	16.5	17.5	17	16.5
	Scaled Domain Score Percentage	72%	81%	75%	81%	78%	75%
Stakeholder Involvement	Domain Score	15.5	14.5	13.5	12.5	14.5	15
	Scaled Domain Score Percentage	69%	63.9%	58.3%	53%	64%	67%
Rigor of Development	Domain Score	42	46	43	32	46	38
	Scaled Domain Score Percentage	71%	79.2%	72.9%	50%	79%	63%
Clarity and Presentation	Domain Score	16.5	18	18.5	11.5	19	15.5
	Scaled Domain Score Percentage	75%	83%	86%	47%	89%	69%
Applicability	Domain Score	15.5	23.5	18.5	14	17.5	15
	Scaled Domain Score Percentage	48%	81%	60.4%	42%	56%	46%
Editorial Independence	Domain Score	10	9.5	11.5	10	12	11
	Scaled Domain Score Percentage	67%	62.5%	79.2%	67%	83%	75%

*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	AHA/ASA 2021 (Kleindorfer). Guidelines for the management of spontaneous intracerebral hemorrhage.	SVS 2022 (AbuRahma). Clinical practice guidelines for management of extracranial cerebrovascular disease.	ACR 2021 (Aghayev). ACR Appropriateness Criteria® Noncerebral Vasculitis.	ACR 2023 (Ledbetter). ACR Appropriateness Criteria® Cerebrovascular Diseases – Aneurysm, Vascular Malformation, and Subarachnoid Hemorrhage.	EFNS 2010 (Einhaupl). Guideline on the treatment of cerebral venous and sinus thrombosis.
Total Score EXCLUDING overall assessment score		127	110	106.5	103.5	84
Scaled Total Score Excluding overall assessment score		75%	63%	60%	58%	44%
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	5	4.5	4.5	3.5
Scope and Purpose	Domain Score	17.5	15.5	16.5	13.5	14.67
	Scaled Domain Score Percentage	81%	69%	75%	58%	65%
Stakeholder Involvement	Domain Score	16	15	12.5	12.5	7
	Scaled Domain Score Percentage	72%	67%	53%	53%	22%
Rigor of Development	Domain Score	45	39	40	38.5	31.3
	Scaled Domain Score Percentage	77%	65%	67%	64%	49%
Clarity and Presentation	Domain Score	19	18	17	18.5	15
	Scaled Domain Score Percentage	89%	83%	78%	86%	67%
Applicability	Domain Score	17.5	15	11	11	8.3
	Scaled Domain Score Percentage	56%	46%	29%	29%	18%
Editorial Independence	Domain Score	12	7.5	9.5	9.5	5.3
	Scaled Domain Score Percentage	83%	46%	63%	63%	28%

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