<u>Multiple Sclerosis evidence project – Evidence-based Guidelines Included in the Recommendation Matrix</u>

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

AGREE II Domain	AGREE II Domain Topics	American College of Radiology. ACR Appropriateness Criteria Orbits, Vision, and Visual Loss. 2017.	Cristiano et al. Argentinean recommendations on the identification of treatment failure in relapsing remitting MS patients. 2018.	Filippi et al. Use of imaging in MS. In: Gilhus NE, Barnes MP, Brainin M, eds. European Handbook of Neurological Management. 2011.	Montalban et al. ECTRIMS/EAN guideline on the pharmacological treatment of people with MS. 2018.	National Clinical Guideline Centre. Multiple sclerosis: management in primary and secondary care. Updated 2019. London, NICE.	Rae-Grant et al. American Academy of Neurology practice guideline. Disease-modifying therapies for adults with MS. 2018.	Rovira et al. MAGNIMS consensus guidelines on the use of MRI in MS – clinical implementation in the diagnostic process. 2015.
Total Score EXCLUDING overall assessment score		110	105	106	128.5	129.5	121	99.5
Scaled Total Score Excluding overall assessment score		63%	59%	60%	76%	77%	71%	55%
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	5	4.5	4.5	5.5	5.5	5.5	4.5
Scope and Purpose	Domain Score	16	15	15	18	19	18	17.5
	Scaled Domain Score Percentage	72%	67%	67%	83%	89%	83%	81%
Stakeholder Involvement	Domain Score	13.5	14	10	18	16	14	11
	Scaled Domain Score Percentage	58%	61%	39%	83%	72%	61%	44%
Rigor of Development	Domain Score	39.5	34	34	44.5	45	43	33
	Scaled Domain Score Percentage	66%	54%	54%	76%	77%	73%	52%
Clarity and Presentation	Domain Score	16.5	14.5	18	17.5	18	15.5	14.5
	Scaled Domain Score Percentage	75%	64%	83%	81%	83%	69%	64%
Applicability	Domain Score	15.5	15.5	18	19	20	19	18.5
	Scaled Domain Score Percentage	48%	48%	58%	63%	67%	63%	60%
Editorial Independence	Domain Score	9	12	11	11.5	11.5	11.5	5
	Scaled Domain Score Percentage	58%	83%	75%	79%	79%	79%	25%

*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 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 Radiology. ACR appropriateness criteria Ataxia. 2018.	American College of Radiology. ACR Appropriateness Criteria Myelopathy. 2020.	Sastre-Garriga et al. MAGNIMS consensus guidelines on the use of brain and spinal cord atrophy measures. 2020.	Sellner et al. EFNS guidelines on diagnosis and management of neuromyelitis optica. 2010.	Wattjes et al. MAGNIMS consensus guidelines on the use of MRI in MS – establishing disease prognosis and monitoring patients. 2015.	Wingerchuk et al. International consensus diagnostic criteria for neuromyelitis optica spectrum disorders. 2015.
Total Score EXCLUDING overall assessment score		103.5	102	100.5	102.5	99.5	100.5
Scaled Total Score Excluding overall assessment score		58%	57%	56%	58%	55%	56%
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	4.5	4.5	4.5	4.5	4.5	4.5
Scope and Purpose	Domain Score	15	14	16.5	14.5	16	15
	Scaled Domain Score Percentage	67%	61%	75%	64%	72%	67%
Stakeholder Involvement	Domain Score	13	12.5	13	9.5	13	11
	Scaled Domain Score Percentage	56%	53%	56%	36%	56%	44%
Rigor of Development	Domain Score	40	40	32	34.5	32	37
	Scaled Domain Score Percentage	67%	67%	50%	55%	50%	60%
Clarity and Presentation	Domain Score	17.5	17.5	17	18	14	13.5
	Scaled Domain Score Percentage	81%	81%	78%	83%	61%	58%
Applicability	Domain Score	9.5	9.5	13	15	15.5	12.5
	Scaled Domain Score Percentage	23%	23%	38%	46%	48%	35%
Editorial Independence	Domain Score	8.5	8.5	9	11	9	11.5
	Scaled Domain Score Percentage	54%	54%	58%	75%	58%	79%

*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 scaled domain score is calculated as follows: (obtained score – minimum possible score) ÷ (maximum possible score – minimum possible score)

Multiple Sclerosis evidence project – Evidence-based Guidelines Excluded in the Recommendation Matrix

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

AGREE II Domain	AGREE II Domain Topics	Traboulsee et al. Revised recommendations of the Consortium of MS Centers Task Force for a standardized MRI protocol and clinical guidelines for the diagnosis and follow-up of MS. 2016.	Thompson et al. Diagnosis of multiple sclerosis: 2017 revisions of the McDonald Criteria. 2018.
Total Score EXCLUDING overall assessment score		95.5	91
Scaled Total Score Excluding overall assessment score		53%	49%
Overall Assessment	Would you recommend this guideline for use in practice?	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	4
Scope and Purpose	Domain Score	15	16
	Scaled Domain Score Percentage	67%	72%
Stakeholder Involvement	Domain Score	13	12.5
	Scaled Domain Score Percentage	56%	53%
Rigor of Development	Domain Score	24	30
	Scaled Domain Score Percentage	33%	46%
Clarity and Presentation	Domain Score	15	12.5
	Scaled Domain Score Percentage	67%	53%
Applicability	Domain Score	17	13
	Scaled Domain Score Percentage	54%	38%
Editorial Independence	Domain Score	11.5	9.5
	Scaled Domain Score Percentage	79%	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 scaled domain score is calculated as follows: (obtained score – minimum possible score) ÷ (maximum possible score – minimum possible score)