

3<sup>RD</sup> ECTRIMS WINTER SCHOOL 15–17 JANUARY 2025 | RIGA, LATVIA

# 2024 Revisions of the McDonald diagnostic Criteria for MS

The 3<sup>rd</sup> ECTRIMS Winter School is recommended for young clinicians specializing in multiple sclerosis as well as for neurology fellows, who are eager to understand the novel diagnostic criteria MS.

The Winter School aims to present and critically discuss the 2024 McDonald criteria for the diagnosis of MS. We will cover the role of optic nerve MRI, optical coherence tomography and novel imaging and fluid biomarkers in the revised criteria. Each novel recommendation will be presented in light of the current literature, and practical considerations will be made to facilitate the introduction of the novel criteria in clinical practice. The workshop will also discuss diagnostic challenges and help understanding how to apply the novel diagnostic criteria in specific MS patients.

## WEDNESDAY, 15 JANUARY 2025

08.30	Welcome & Introduction O. Ciccarelli (London, UK), C. Granziera (Basel, CH)
08.45 - 09.15	Lecture 1: 2024 revisions of the McDonald Criteria X. Montalban (Barcelona, ES)
09.15 - 11.05	Session 1: When to apply the criteria and differential diagnoses Chair: J. Oh (Toronto, CA), C. Granziera (Basel, CH)
09.15	Application of criteria to typical and atypical symptoms <i>M. Tintoré (Barcelona, ES)</i>
09.35	Application of criteria to RIS C. Lebrun-Frenay (Nice, FR)
09.55	Differential diagnosis: other inflammatory demyelinating diseases (MOGAD, NMOSD) <i>R. Marignier (Lyon, FR)</i>
10.15	Differential diagnosis in underrepresented populations



15-17 JANUARY 2025 | RIGA, LATVIA

10.35	M. Magyari (Copenhagen, DK) Panel Discussion / Q&A Chair / All Speakers
11.05 - 11.35	Coffee Break
11.35 - 13.25	Session 2: Conventional and Novel Imaging Biomarkers Chair: D. Reich (Bethesda, US), C. Granziera (Basel, CH)
11.35	Typical and atypical MS lesions on conventional MRI <i>M. Rocca (Milan, IT)</i>
11.55	Paramagnetic rim lesions A. Cagol (Basel, CH)
12.15	Central vein sign J. Oh (Toronto, CA)
12.35	MAGNIMS-NAIMS-CMSC Recommendations on use of MRI A. Rovira (Barcelona, ES)
12.55	Panel Discussion / Q&A Chair / All Speakers
13.25 - 14.25	Lunch Break
14.25 - 16.15	Session 3: The inclusion of the optic nerve as a fifth region Chair: L. Balcer (New York, US), G. Bsteh (Vienna, AT)
14.25	Typical and atypical optic neuritis W. Brownlee (London, UK)
14.45	How to use OCT L. Balcer (New York, US)
15.05	How to use optic nerve MRI <i>A. Toosy (London, UK)</i>



15-17 JANUARY 2025 | RIGA, LATVIA

15.25	How to use VEP L. Leocani (Milan, IT)
15.45	Panel Discussion / Q&A Chair / All Speakers
16.15 - 16.45	Coffee Break
16.45 - 17.55	Session 4: Fluid Biomarkers (Oligoclonal Bands/kFLC/NfL) Chair: H. Wiendl (Freiburg, DE), F. Zipp (Mainz, DE)
16.45	OCBs and kFLC F. Deisenhammer (Innsbruck, AT)
17.05	Neurofilaments, GFAP and beyond D. Leppert (Basel, CH)
17.25	Panel Discussion / Q&A Chair / All Speakers
17.55	End of Day 1
19.30	Dinner at hotel



15-17 JANUARY 2025 | RIGA, LATVIA

# THURSDAY, 16 JANUARY 2025

09.00 - 10.30	Session 5: Further novelties of the new criteria Chair: O. Ciccarelli (London, UK), D. Reich (Bethesda, US)
09.00	Multiple spinal cord lesions in prevalent spinal cord diseases G. Arrambide (Barcelona, ES)
09.20	Towards unification of the differences between progressive and relapsing diseases J. Sastre - Garriga (Barcelona, ES)
09.40	High fulfilment of DIS is sufficient for a diagnosis of MS <i>M. Moccia (Naples, IT)</i>
10.00	Panel Discussion / Q&A Chair / All Speakers
10.30 - 11.00	Coffee Break
11.00 - 12.30	Session 6: Diagnosis in children and the elderly Chair: B. Stankoff (Paris, FR), <i>M. Tintoré (Barcelona, ES)</i>
<b>11.00 - 12.30</b> 11.00	
	Chair: B. Stankoff (Paris, FR), <i>M. Tintoré (Barcelona, ES)</i> Difficulties when diagnosing children
11.00	Chair: B. Stankoff (Paris, FR), <i>M. Tintoré (Barcelona, ES)</i> Difficulties when diagnosing children <i>Y. Hacohen (London, UK)</i> MRI of the elderly
11.00 11.20	<ul> <li>Chair: B. Stankoff (Paris, FR), <i>M. Tintoré (Barcelona, ES)</i></li> <li>Difficulties when diagnosing children</li> <li><i>Y. Hacohen (London, UK)</i></li> <li>MRI of the elderly</li> <li><i>M. Inglese (Genoa, IT)</i></li> <li>Impact of comorbidities on diagnostic criteria</li> </ul>



15-17 JANUARY 2025 | RIGA, LATVIA

14.00 - 15.30	Workshops 1-2 (Two groups, participants will rotate workshops)
	Workshop 1: How to use the optic nerve, OCT vs. MRI vs. VEP's: challenges and practicalities
	Facilitators: A. Toosy (London, UK), L. Balcer (New York, US)
	Workshop 2: How to implement the new MRI susceptibility- based markers in clinical practice (CVS, PRLs)
	Facilitators: A. Rovira (Barcelona, ES), D. Reich (Bethesda, US)
15.30 - 16.00	Coffee Break
16.00 - 17.30	Workshops 1-2 (Two groups, participants will rotate workshops)
17.30	End of Day 2
19.30	Winter School Dinner



15-17 JANUARY 2025 | RIGA, LATVIA

## FRIDAY, 17 JANUARY 2025

#### 08.45 - 10.30 Working Groups Participants will work in 3 groups and will prepare projects for clinical practice and / or research that includes proposal for validation and further revisions of the McDonald criteria, or different approaches how to make the diagnosis. Participants will receive feedback from senior investigators. Working Group A: Clinical cases Facilitators: M. Tintoré (Barcelona, ES), M. Inglese (Genoa, IT), W. Brownlee (London, UK) Working Group B: Value of the different CSF tests Facilitators: H. Wiendl (Freiburg, DE), F. Deisenhammer (Innsbruck, AT) Working Group C: Value of the more novel MRI techniques Facilitators: C. Granziera (Basel, CH), J. Oh (Toronto, CA), O. Ciccarelli (London, UK) 10.30 - 11.00 **Coffee Break** 11.00 - 12.00 Participants' presentations by the coordinators of the working groups (20 minutes presentation each group) 12.00 - 12.30 **Plenary Session**

Lecture 2: Clinical challenges and implementation in clinical practice A. Solomon (Burlington, US)

- **12.30** Group discussion led by Facilitators and Chairs
- **13.00 13.15**Closing remarksB. Stankoff (Paris, FR)
- As of 13.15 Lunch and individual departure