

CELLO: A Phase IV, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study Assessing Efficacy of Ocrelizumab in Radiologically Isolated Syndrome

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OBJECTIVE

To report the study design of CELLO, a Phase IV, multicenter, randomized, double-blind, placebo-controlled study (NCT04877457), which will assess the efficacy of ocrelizumab (OCR) in delaying development of new radiological or clinical evidence of multiple sclerosis (MS) in patients with radiologically isolated syndrome (RIS)



Figure 2. Recruitment Strategies for CELLO

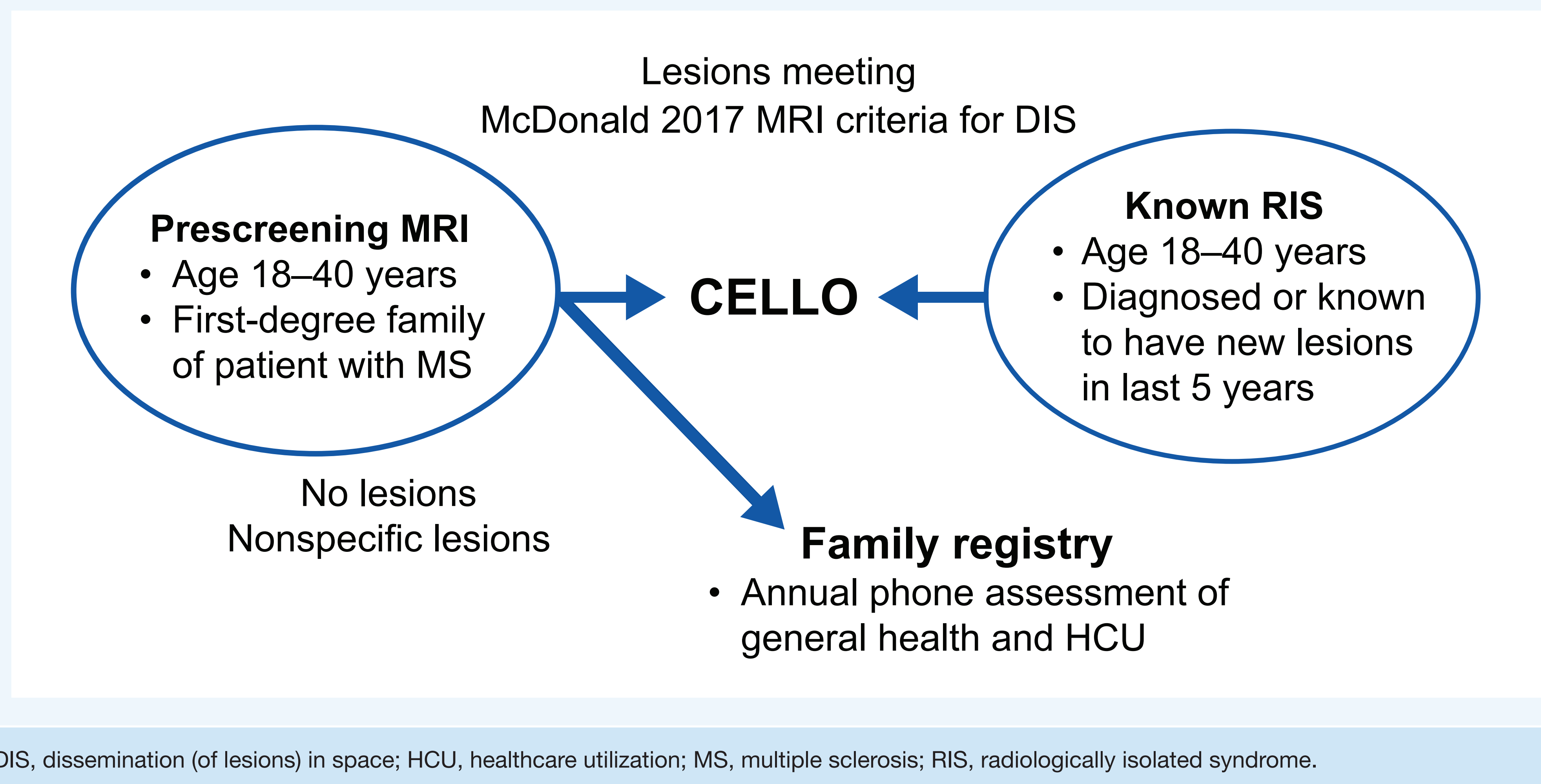



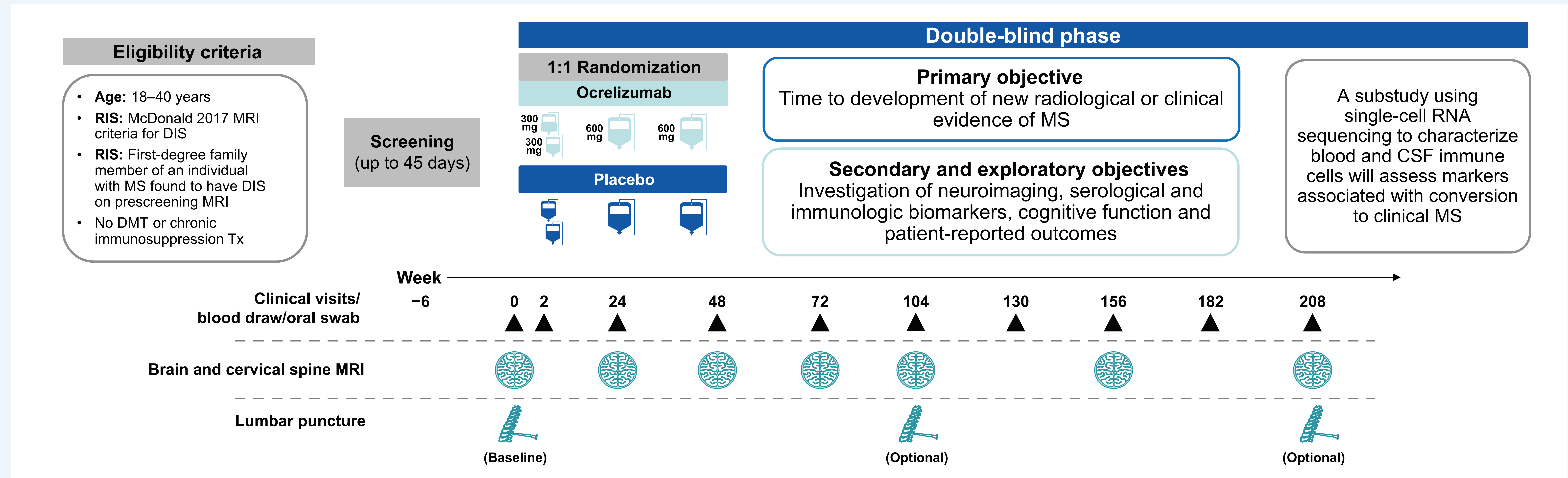


Table. Preplanned Biomarker Analysis for CELLO

	 CSF	 Blood	 Oral swab
Single-cell RNA sequencing	✓	✓	
Immunophenotyping (flow cytometry)	✓	✓	
Soluble biomarker analysis	✓	✓	
DNA		✓	
Microbiome			Future

CSF, cerebrospinal fluid.

Figure 1. Study Design for CELLO



CSF, cerebrospinal fluid; DIS, dissemination (of lesions) in space; DMT, disease-modifying therapy; RIS, radiologically isolated syndrome; Tx, treatment.

CONCLUSION

- This study aims to improve the understanding of B-cell biology in early disease pathophysiology, characterize the emergence of central nervous system autoimmunity and provide evidence to support treatment initiation at the earliest stage of MS

REFERENCE

1. Lebrun-Frenay C, et al. *Ann Neurol* 2020;88:407–417.

DISCLOSURES

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