

## OVERVIEW

Today the role of MRI in multiple sclerosis (MS) is well established. It is undeniable that MRI is required for establishing the diagnosis, evaluating prognosis and monitoring treatment complications. Although competence and knowledge of qualitative neuroradiological metrics are increasingly growing among neurologists interested in MS, there is still a need to promote a deeper understanding of the applications, limits and possibilities of this tool to improve the quality of the care. Additionally, quantitative MRI (i.e. lesion load and brain volume calculation) approaches, as well as advanced neuroimaging tools, are widely used in research, but are not diffusely applied in clinical settings, which will improve the quantification of prognosis and the choice of the right treatment approach.

## TARGET AUDIENCE

This program is designed for young clinicians and scientists currently involved in MS management as well as radiologists interested in MS.

## EDUCATIONAL APPROACH

The Scientific Seminars education approach reinforces concepts from different angles, using a multi-format, multi-discipline and multi-profession approach to progressive learning and access to a network of experts. The aim of this digital learner-centered program is to increase knowledge and competence in the field of neuroimaging applied to MS. This program will address the most recent updates in quantitative and qualitative MRI techniques and in advanced neuroimaging. A multi-disciplinary approach will be used, involving the full interactivity of learners. The digital Preceptorship format has been designed to cover both the theoretical and practical aspects of MRI in MS. This will be integrated with the discussion of several clinical cases related to different aspects of the disease. Some of these clinical cases will guide the participants to a proper diagnosis in patients presenting with a first clinical attack, by integrating clinical, laboratory and MRI information. Others will help to a timely identification of red-flags, useful for the differential diagnosis of MS mimickers. Finally, decision making cases in the context of treatment monitoring and treatment switches will be presented.

## LEARNING OBJECTIVES

By attending this program, you will be able to:

- Identify the main MRI markers corresponding to specific MS histopathological damage.
- Define the main MRI metrics used for estimating prognosis and evaluating treatment response.
- Enumerate advantages and limits of the imaging techniques currently under development for investigating MS-related damage.

**To register for the 3 Live Webinars, please contact:**

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