

Clinical Outcomes, Disease Course, and Health-Related Quality of Life in Patients With Multifocal Motor Neuropathy: iMMersion, Study in Progress

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INTRODUCTION

Multifocal Motor Neuropathy (MMN)

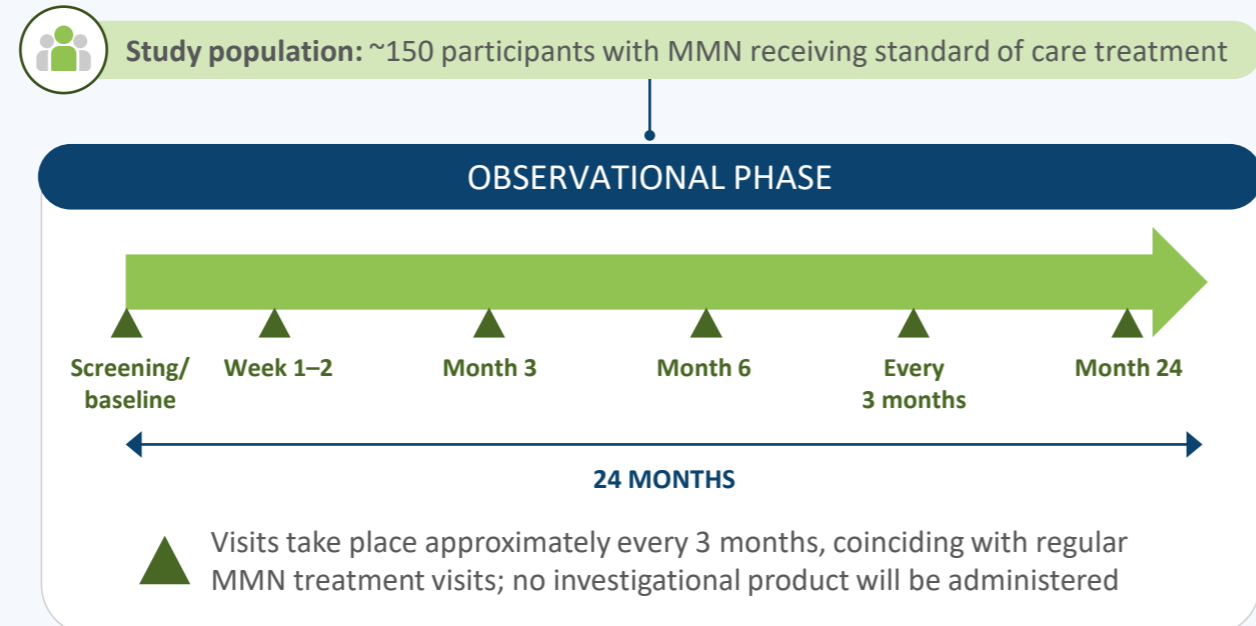
- MMN is a rare, peripheral, immune-mediated, chronic neuropathy, associated with axonal degeneration and progressive, disabling asymmetric limb weakness without sensory loss¹⁻³
- MMN is driven by motor nerve conduction block due to IgM autoantibody-mediated complement activation¹⁻³
- Patients with MMN typically have a normal life expectancy; however, <20% of patients experience relatively severe disability, predominantly in the upper limbs³
- Patients living with MMN report broad impacts on their daily lives, work, social life and overall well-being⁴

iMMersion Study Rationale

- Due to the **low prevalence of the disease** (at least 0.6 per 100,000 individuals),¹ observational data on patient experience and management of MMN in clinical practice are usually limited to small cohorts and retrospective analyses
- There is an opportunity to **further understand MMN** diagnosis, disease course and management, and to characterise the healthcare resource use of patients
- **iMMersion** is a global, prospective longitudinal study that will follow participants with MMN over time and collect data on clinical outcomes, HRQoL and use of healthcare resources

STUDY DESIGN

iMMersion (NCT05988073): A Multicentre, Prospective, Longitudinal Study in Adult Participants With MMN



ENROLMENT STATUS

• iMMersion will be running in >120 sites in 21 countries



KEY ELIGIBILITY CRITERIA

Inclusion Criteria

- At least local legal age of consent for clinical studies when signing the informed consent form
- Capable of providing informed consent to participate in the study and complying with protocol requirements
- Diagnosis of MMN by a neuromuscular specialist or neurologist

Exclusion Criteria

- Participation in any clinical trial with an investigational medicinal product
- Presence of other medical condition that could affect the assessment of MMN

STUDY OBJECTIVES AND ENDPOINTS

<p>Assess the MMN disease course and management <i>Diagnosis parameters; Clinical characteristics; Initial symptoms; Limbs affected and number; Treatment parameters</i></p>	<p>Characterise MMN participant profiles <i>Demographics; Medical history; Prior and current therapy use</i></p>	<p>Estimate economic burden of disease for participants <i>Values and change over time in the HRPQ; Values over time for health care resource utilisation</i></p>	<p>Assess outcome measures specific to MMN disease and their evolution over time <i>MMN-RODS, MMRC-10 sum score, Adjusted INCAT score</i></p>	<p>Estimate burden of MMN on participants' HRQoL <i>EQ-5D-5L; RT-FSS; CAP-PRI; PGI-S</i></p>	<p>Collect data on relevant disease biomarkers* <i>Serum levels of complement factors and complement activation; Serum titres of antiganglioside autoantibodies; NfL; Gene variants of complement regulatory proteins</i></p>
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*Optionally collected in specific countries where consent is provided by the participant.

KEY TAKEAWAYS

- iMMersion is an ongoing, global, prospective, longitudinal study aiming to provide a detailed view of the impact of MMN and its treatment on participants in a real-world setting
- The study will examine clinical outcomes, disease course, HRQoL, and resource utilisation over 24 months in ~150 adult participants with MMN

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ABBREVIATIONS

CAP-PRI, chronic acquired polyneuropathy patient-reported index; EQ-5D-5L, EuroQoL 5-Dimension 5-Level; HRPQ, health-related productivity questionnaire; HRQoL, health-related quality of life; IgM, immunoglobulin M; INCAT, Inflammatory Neuropathy Cause and Treatment; MMN, multifocal motor neuropathy; MMN-RODS, Rasch-built overall disability scale for MMN; MMRC, Modified Medical Research Council; NfL, Neurofilament light chain; PGI-S, Patient Global Impression of Severity; RT-FSS, Rasch-Transformed Fatigue Severity Scale.

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