Learning Objectives

MedBridge Education
Multiple Sclerosis: Pathophysiology, evaluation and management for physical therapists
Herb Karpatkin, PT, DSc

Module 1: Update on pathophysiology and Medical management for Physical Therapists
The online learners will

- Describe the underlying neuropathology of multiple sclerosis
- Classify the types of medical management utilized for MS treatment
- Explain the requirements for a diagnosis of Multiple Sclerosis
- Describe the unique signs and symptoms associated with a diagnosis of MS

Module 2: Physical therapy evaluation and assessment of multiple sclerosis: A disease specific approach
The online learners will

- Identify how an MS evaluation differs from evaluation of other CNS disorders
- Demonstrate the ability to differentiate between primary and secondary MS fatigue
- Analyze the evaluative findings to identify unique MS presentations
- Differentiate between impairment based findings and functional limitations

Module 3: Improving Physical Therapy Outcomes by Minimizing Neurogenic Fatigue and Maximizing Neuroplasticity
The online learners will

- Designs a treatment plan for Multiple Sclerosis impairments including fatigue, weakness, sensory loss, thermosensitivity and posture
- Recognize the relationship between MS impairments and MS functional limitations
- Describe the use of intermittent exercise as specific treatment modality in Multiple Sclerosis
- Understand the role of treating secondary impairments to reduce multiple sclerosis disability

Module 4: Physical Therapy Examination and Intervention Across the Spectrum of Disability and continuum of age
The online learners will
• Identify patterns of functional limitation specific to MS
• Perform task specific interventions for balance loss in MS
• Understand how to use the Berg Balance Scale and the Dynamic Gait index to develop specific treatment interventions