Multiple Sclerosis Review

**Multiple Sclerosis: Part 1 - Fred D. Lublin, MD, FAAN, Eric C. Klawiter, MD, MSc, and Claudia F. Lucchinetti, MD, FAAN**

Diagnose MS using the latest revisions to the McDonald criteria; choose appropriate baseline and follow-up imaging for patients presenting with symptoms consistent with MS; discuss emerging advanced imaging technologies and their role in increasing the specificity of MS diagnosis; distinguish MS from other causes of myelin destruction on the basis of pathology, clinical history, and imaging results; explain the role of cortical inflammation in the pathophysiology of MS.

**Multiple Sclerosis: Part 2 - Mark S. Freedman, MSc, MD, FAAN, Ruth Ann Marrie, MD, and Francois Bethoux, MD**

Individualize management regimen, including disease-modifying agents and those for symptom management; monitor disease progression over time; identify comorbid conditions that may interfere with MS management or patient function, and refer patient as needed for appropriate treatment; assess bone health and risk for falls and fractures in patients with MS; recognize gait abnormalities and incorporate strategies for prevention and mitigation.

**Fibromyalgia/Multiple Sclerosis: What the Family Practitioner Should Know - Daniel Muller, MD, PhD and Patricia K. Coyle, MD**

Counsel patients with fibromyalgia about lifestyle interventions; Assess clinical findings, such as pain, to diagnose fibromyalgia; Prescribe effective drug therapy for the treatment of fibromyalgia; Identify clinical manifestations of MS; Select appropriate diagnostic tools and treatment of MS.

**Multiple Sclerosis/Concussion - Aaron Saguil, MD, MPH and Deepak S. Patel, MD**

Diagnose MS based on patient history and clinical findings; list side effects of disease-modifying agents commonly used to treat MS; perform a thorough sideline evaluation of an athlete with suspected concussion; determine the need for computed tomography (CT) or magnetic resonance imaging (MRI) after head trauma based on clinical findings; follow an individualized return-to-play protocol for athletes with concussion.

**Multiple Sclerosis/Sleep & Parkinson's Disease - Melissa Ortega, MD and Aleksandar Videnovic, MD**

Diagnose MS early in the course of the disease; choose appropriate treatments based on the type of MS and efficacy and safety profiles of available agents; assess the potential clinical importance of various investigational agents being developed to treat MS; recognize the signs and symptoms of sleep disturbances in patients with PD; treat patients with PD who have daytime and nocturnal symptoms of various sleep disorders.

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