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Altri autori (Persone)	Rae-GrantAlexander FoxRobert <1969-> BethouxFrancois
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Nota di contenuto	Cover; Title; Copyright; Contents; Contributors; Foreword; Preface; Part I. Basics for Clinicians; 1. History of Multiple Sclerosis; Early Cases of MS; Early Descriptions of MS; Description by Charcot; Early Monographs; Early Reports; Three Landmark Reviews of MS; Theories About Causation; Search for an Infection; Epidemiology; Genetics of MS; Vascular Theory; The Immunological Theory; MS Plaque; Investigations; Cognitive Changes in MS; Therapy; Multiple Sclerosis Societies; References; 2. Overview of Multiple Sclerosis; New Directions in Understanding MS; New Directions in Diagnosing MS New Directions in Monitoring MSNew Directions in Treatment of MS Disease Activity; New Directions in Treatment of MS Symptoms; Greater Recognition of The Importance of Other Health Measures in MS; Embracing a Team Approach To MS; Ongoing Challenges and Future Promise; Bibliography; 3. Pathology and Pathophysiology of Multiple Sclerosis; Demyelination within GM and WM in MS; Inflammation in MS; WM Inflammation in MS; GM Inflammation in MS; Neuronal and Axonal degeneration in MS; Pathophysiology of Neurodegeneration in MS; Summary; References

4. Epidemiology and Natural History of Multiple SclerosisEpidemiology, Survival, Incidence, and Prevalence of Multiple Sclerosis; Environmental Risk Factors for MS; The Natural History of MS; Environmental Risk Factors and The Natural History of MS; Benign MS; References; 5. Multiple Sclerosis Genetics; Race and Geography; Familial Aggregation; The First Molecular Markers for MS: Human Leukocyte Antigens; Linkage Analysis; MS as A Complex Trait; Genomic Linkage Screens; Missing Heritability; Vitamin D Genetics; Exome and Genome Sequencing; The MHC and MS Susceptibility
Current Directions and LimitationsReferences; Part II. Diagnosis; 6. Symptoms and Signs of Multiple Sclerosis; Illustrative Case; Introduction; Evaluation of Symptoms; Symptom Review by System; Nonspecific Versus Specific Symptoms; Conclusion-Finding Patterns Which Fit Together; References; 7. Diagnosis of Multiple Sclerosis; Diagnostic Criteria: A Very Short History; Diagnosing MS: The Mcdonald Criteria (2010); Defining The Phenomenology of MS; Putting The Mcdonald Criteria (2010) Into Practice; Diagnosing MS by Combined Clinical and MRI Criteria
The Utility of Cerebrospinal Fluid Examination in the Diagnosis of MS: Why Do a Lumbar Puncture?Diagnostic Categories Resulting from Applying the Mcdonald Criteria; Limitations of the Mcdonald (2010) Criteria; Future Directions in the Diagnosis of MS; References; 8. Magnetic Resonance Imaging in Multiple Sclerosis; Relevant MRI Physics; Characterization of MS on Conventional MRI; Technical Considerations and Pitfalls; Clinical Applications in Disease Monitoring; MRI Safety; References; 9. Tools and Tests for Multiple Sclerosis; Blood Tests; Lumbar Puncture/Spinal Fluid Analysis
Evoked Potentials

Sommario/riassunto

Multiple Sclerosis and Related Disorders provides evidence-based data and experience-based guidance for delivering quality long-term care to MS patients. Information on disease history, pathophysiology, and biology is included to provide clinicians with a framework for understanding current diagnosis, monitoring, and treatment strategies for these disorders. In addition to thoroughly reviewing the newest disease-modifying treatments, the authors have devoted significant focus to the symptoms that frequently manifest and their treatment options. Symptoms and functional limitations are the ""fac