1. Record Nr. UNINA9910688495503321

Titolo	Pathophysiology and imaging diagnosis of demyelinating disorders / / edited by Evanthia Bernitsas
Pubbl/distr/stampa	Basel, Switzerland : , : MDPI, , 2018
ISBN	3-03842-944-9
Descrizione fisica	1 online resource (178 pages)
Disciplina	616.83
Soggetti	Demyelination
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	About the Special Issue Editor. -- Preface to "Pathophysiology and Imaging Diagnosis of Demyelinating Disorders" -- Taylor E. Purvis, Daniel Lubelski and Thomas E. Mroz Is Decompressive Surgery for Cervical Spondylotic Myelopathy Effective in Patients Suffering from Concomitant Multiple Sclerosis or Parkinson's Disease? doi:10.3390 /brainsci7040039 -- Nicholas A. Hubbard, Yoel Sanchez Araujo, Camila Caballero, Minhui Ouyang, Monroe P. Turner, Lyndahl Himes, Shawheen Faghihahmadabadi, Binu P. Thomas, John Hart Jr., Hao Huang, Darin T. Okuda and Bart Rypma Evaluation of Visual-Evoked Cerebral Metabolic Rate of Oxygen as a Diagnostic Marker in Multiple Sclerosis doi: 10.3390/brainsci7060064 -- Hannah E. Salapa, Sangmin Lee, Yoojin Shin and Michael C. Levin Contribution of the Degeneration of the Neuro-Axonal Unit to the Pathogenesis of Multiple Sclerosis doi: 10.3390/brainsci7060069 -- Silke Kinzel and Martin S. Weber The Role of Peripheral CNS-Directed Antibodies in Promoting Inflammatory CNS Demyelination doi:10.3390/brainsci7070070 -- Narges Dargahi, Maria Katsara, Theodore Tselios, Maria-Eleni Androutsou, Maximilian de Courten, John Matsoukas and Vasso Apostolopoulos Multiple Sclerosis: Immunopathology and Treatment Update doi:10.3390 /brainsci7070078 -- Evanthia Bernitsas, Kalyan Yarraguntla, Fen Bao, Rishi Sood, Carla Santiago-Martinez, Rajkumar Govindan, Omar Khan and Navid Seraji-Bozorgzad Structural and Neuronal Integrity Measures of Fatigue Severity in Multiple Sclerosis doi:10.3390/brainsci7080102 -- Robert P. Lisak and Joyce A. Benjamins Melanocortins, Melanocortin

Receptors and Multiple Sclerosis doi:10.3390/brainsci7080104 -- Rana K. Zabad, Renee Stewart and Kathleen M. Healey Pattern Recognition of the Multiple Sclerosis Syndrome doi:10.3390/brainsci7100138 -- Tanima Bose Role of Immunological Memory Cells as a Therapeutic Target in Multiple Sclerosis doi:10.3390/brainsci7110148.

Sommario/riassunto

Demyelinating disorders are chronic autoimmune disorders characterized by inflammation, demyelination, axonal degeneration, and neuronal loss. They have complex pathophysiology and diverse clinical presentations. The etiology of these disorders lies in the interaction between genetic and environmental factors. Due to the complexity in pathophysiology and presentation, diagnosis and treatment can be challenging. Advanced technology, including modern imaging techniques, as well as optical coherence tomography (OCT), enrich our understanding of the disease process, improve diagnostic accuracy, and may guide treatment decisions.