
Contents

1 Emerging Roles of Endothelial Cells in Multiple Sclerosis Pathophysiology and Therapy	1
J. Winny Yun, Alireza Minagar, and J. Steven Alexander	
2 Multiple Sclerosis: Clinical Features, Immunopathogenesis, and Treatment	25
Alexis A. Lizarraga and William A. Sheremata	
3 HIV Infection of Human Nervous System: Neurologic Manifestations, Diagnosis, and Treatment	77
Christian Cajavilca, Debra Davis, Oleg Y. Chernyshev, and Alireza Minagar	
4 Central Nervous System Vasculitis: Immunopathogenesis, Clinical Aspects, and Treatment Options	99
Roger E. Kelley, Ramy El-Khoury, and Brian P. Kelley	
5 Neurosarcoidosis: Clinical Features, Pathogenesis, and Management.	121
Ragav Aachi, Marjorie Fowler, Eduardo Gonzalez-Toledo, Jeanie McGee, and Alireza Minagar	
6 Cell-Derived Microparticles/Exosomes in Neuroinflammation	139
Lawrence L. Horstman, Wenche Jy, and Yeon S. Ahn	
7 Acute Disseminated Encephalomyelitis: Clinical Features, Pathophysiology, and Clinical Management	161
Omar Hussein and Alireza Minagar	
8 Autoimmune Encephalitis: Clinical Features, Pathophysiology, and Treatment	175
Ramin Zand	
9 Neuromyelitis Optica: Immunopathogenesis, Clinical Manifestations, and Treatments	187
Shin C. Beh, Teresa C. Frohman, and Elliot M. Frohman	

10	Immunopathogenesis and Treatment of Guillain-Barre Syndrome and Chronic Inflammatory Demyelinating Polyneuropathy	203
	Elena Grebenciucova and Kourosh Rezaia	
11	Myasthenia Gravis: Clinical Features, Immunology, and Therapies	227
	Wael Richeh, John D. Engand, and Richard M. Paddison	
12	Idiopathic Inflammatory Myopathies	249
	Robert N. Schwendimann	
13	The Venous Connection: The Role of Veins in Neurodegenerative Disease	259
	Clive Beggs	
	Index	275

Inflammatory Disorders of the Nervous System

Pathogenesis, Immunology, and Clinical Management

Minagar, A.; Alexander, J.S. (Eds.)

2017, XIII, 281 p. 28 illus., 11 illus. in color., Hardcover

ISBN: 978-3-319-51218-1

A product of Humana Press