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Clinical Neuroimmunology-Syed A. Rizvi
2016-08-23 Clinical Neuroimmunology: Multiple Sclerosis and Related Disorders serves as an indispensable resource for physicians interested in, and dealing with, this very complex and evolving branch of neurology. This comprehensive title provides an introduction to basic neuroimmunology and principles of immunotherapy and also serves as a thorough guide to immune-mediated disorders of the central and peripheral nervous system, as well as other systemic disorders with a significant neuroimmunologic component. The chapters are written by experts in their fields and include the most up to date scientific information. This volume is made to simplify complex immunological mechanisms and to focus on practical patient-related issues. Clinical Neuroimmunology: Multiple Sclerosis and Related Disorders is an invaluable addition to the literature and will be of significant interest to neurologists, residents and fellows, internists, and general practitioners who treat patients with neurologic disorders and other systemic autoimmune diseases.

Clinical Neuroimmunology-Syed A. Rizvi
2019-10-24 This comprehensive, up-to-date book is designed to make recent developments in neuroimmunology accessible to medical professionals in the field. The field of neuroimmunology is complex and rapidly evolving, especially with the current improvements in targeted biologic therapies. This resource concisely offers clear explanations of these scientific and clinical advancements. Divided into five parts, the book begins with an in-depth introduction to neuroimmunology and the principles of immunotherapy. Section two consists of eight chapters devoted to multiple sclerosis, including discussions on the clinical features of the disease as well as symptom management and diagnosis. Subsequent chapters then dive into other central nervous system inflammatory disorders such as neuromyelitis optica, autoimmune encephalopathies, and immunological aspects of cancer. Following this are two chapters that examine distinct aspects of autoimmune disorders of the peripheral nervous system. Finally, the book closes with a review on the neurologic manifestations, diagnostic approaches and treatments of the various systemic rheumatic diseases. Following its successful predecessor edition, Clinical Neuroimmunology: Multiple Sclerosis and Related Disorders, Second Edition is positioned to be an invaluable asset to neurologists, residents and fellows, internists, and general practitioners who treat patients with neurologic disorders and other systemic autoimmune diseases.

Clinical Neuroimmunology-Jack P. Antel 2005 Provides broad and comprehensive coverage of the interaction between the nervous and immune systems in both normal and diseased states. Understanding this interaction is fundamental to developing therapeutic approaches to disease and injury of the nervous system that are...
currently only marginally amenable to therapy. Neuroimmunology is a well-recognised and growing specialty world wide, both at the basic science and clinical level. Chapters are dedicated to the role of the immune system in disorders affecting both the central and peripheral nervous systems, including important neurodegenerative diseases (such as multiple sclerosis and HIV-related neural degeneration) which cause lifelong disability. Extensive coverage is given to a whole array of immune-directed therapies.

Neuroimmunology-Amanda L. Piquet

Translational Neuroimmunology of Multiple Sclerosis-Ruth Arnon 2016-01-04 Multiple Sclerosis (MS) is the most common disabling neurological disease of young adults, although it can also affect children and adults. More than 2.3 million people are affected by MS worldwide. Symptoms can vary widely, depending on the amount of damage and the nerves that are affected. People with severe cases of MS may lose the ability to walk or speak clearly. Although there is not currently a cure for MS, therapies can help treat MS attacks, manage symptoms and reduce progress of the disease. This book will provide an overview of recent findings and knowledge of the Neuroimmunology of Multiple Sclerosis and the translation of this research to immunotherapy treatment. Chapters will include the disease pathogenesis of MS as a basis for development of immunotherapies, immunological markers, pharmacogenetics and responses to therapy. Immunomodulatory therapies currently in practice and future therapeutic strategies on the horizon will also be discussed. Edited by renowned leaders in the field, this book will be a great resource for basic and clinical scientists and practitioners in neuroscience, neurology, immunology, and pharmacology. Provides an overview of recent findings and knowledge of the neuroimmunology of Multiple Sclerosis and the translation of this research to immunotherapy treatment. Edited by renowned leaders in the field of neuroimmunology and Multiple Sclerosis A great resource for basic and clinical scientists and practitioners in neuroscience, neurology, immunology, and pharmacology

Multiple Sclerosis-Alireza Minagar 2015-11-01 Multiple Sclerosis: A Mechanistic View provides a unique view of the pathophysiology of multiple sclerosis (MS) and related disorders. As the only book on the market to focus on the mechanisms of MS rather than focusing on the clinical features and treatment of the disease, it describes the role of genetic and environmental factors in the pathogenesis of MS, the role of specific cells in the pathophysiology of the disease, and the pathophysiology of inflammatory and neurodegenerative disorders related to MS. The book provides discussion of neurodegeneration and neuroregeneration, two critical emerging areas of research, as well as detailed discussion of the mechanisms of action of the approved and investigational drugs for treatment of MS and the emerging role of magnetic resonance spectroscopy (MRI) in investigations into MS. It is the only book on the market to offer comprehensive coverage of the known mechanisms of MS and related diseases, and contains contributions from physicians and researchers who are worldwide experts in the field of study. Focuses on the pathophysiologic mechanisms of multiple sclerosis and the mechanisms of action in agents for the treatment of MS Discusses the roles of neurodegeneration and neuroregeneration in MS and related diseases Authored and edited by international leaders in the field of MS research

MRI and Neuroimmunology in Multiple Sclerosis and Other Leukoencephalopathies of Viral Origin-Research Group on Clinical Neuroimmunology (Italy). Meeting 1992

Neuroimmunology-Bibiana Bielekova 2019 Neuroimmunology, the latest volume in the Contemporary Neurology Series, provides a practical, clinical, and scientific background on a diverse group of neurological disorders in this rapidly expanding field. The book includes chapters on multiple sclerosis and related disorders in adults and children, neuromyelitis optica spectrum disorder, Guillain-Barre Syndrome, chronic inflammatory demyelinating polyradiculoneuropathy and variants, immune-mediated disorders of the neuromuscular junction, inflammatory myopathies, paraneoplastic disorders and autoimmune encephalitities, and neurologic manifestations of
systemic immune-mediated diseases. Unique to the work, the authors have included an introductory chapter on the basics of immunology and another on mechanisms of action of therapies used in neuroimmunologic disorders. The clinical chapters cover epidemiology, pathology, pathogenesis, and pathophysiology of the different diseases along with clinical presentation, diagnostic testing, differential diagnosis, and treatment. All are presented in an accessible, practical format, making this volume a valuable resource for physicians and other healthcare providers that will care for persons with neuroimmunologic diseases.

Neurologic Emergencies, An Issue of Neurologic Clinics - E-Book-Alireza Minagar 2012-02-28 Many neurologic disorders can appear in quick and severe forms that require immediate medical attention. This issue of Neurologic Clinics features 14 articles on conditions that commonly present acutely, such as epilepsy, headache, visual loss, nervous system infections, ischemic stroke, head and spinal cord injury, and intracranial hemorrhage.

Neuroinflammation-Alireza Minagar 2010-12 Inflammation is a central mechanism in many neurological diseases, including stroke, multiple sclerosis, and brain trauma as well as meningitis and contributes to the generation of pain. We are now beginning to understand the impact of the immune system on different nervous system functions and diseases, ranging from damage through tolerance to modulation and repair. This book discusses some of the more common neuroinflammatory diseases. Topics covered include multiple sclerosis, optic neuritis and Susac syndrome. Comprehensive review of the latest developments in neuroinflammationIncludes contributions from leading authorities

Multiple Sclerosis and Neuroimmunology-American Neurological Association 2004

Clinical Neuroimmunology-Peter O. Behan 1978

Spinal Cord Diseases, An Issue of Neurologic Clinics,-Alireza Minagar 2011-10-11 As a core part of the central nervous system, the spinal cord has a distinctive role in the etiology and exacerbation of common and less common neurologic disorders. This issue of Neurologic Clinics will look at the spinal cord’s involvement in disorders arising generally in the CNS, as well as disorders based within the cord itself. Articles include: Spinal cord: A review of functional neuroanatomy; Infections of spinal cord; Multiple sclerosis and spinal cord; Transverse myelitis; Neuromyelitis optica; Vascular disorders of spinal cord; Spine and spinal cord trauma; Imaging of spinal cord: General principles; Toxic, nutritional, and metabolic deficiencies of spinal cord; Spinal cord: Motor neuron diseases; Spinal cord tumors: New views and future directions; Spinal cord and spasticity: A mechanistic view; Cervical spondylosis and stenosis; Autonomic nervous system disorders and spinal cord; Stiff person syndrome: What is new?; Sleep disorders in patients with spinal cord injury.

Neurobehavioral Manifestations of Neurological Diseases: Diagnosis & Treatment, An Issue of Neurologic Clinics,-Alireza Minagar 2016-01-19 This important subject of Diagnosis of and Treatment for Neurobehavioral manifestations of neurologic disease is directed by three leaders of this field - Dr. Alizeza Minagar, Dr. Glen Finney, and Dr. Kenneth Heilman. Topics include: Neurobehavioral testing for mental status; Behavioral neurology of vascular neurology; Alzheimer's disease; Frontotemporal dementia; Traumatic brain injury; Parkinsonian Syndromes (e.g., Parkinson’s disease, Lewy body dementia, progressive supranuclear palsy, corticobasal disease, multisystem atrophy); Behavioral neurology of multiple sclerosis and autoimmune encephalopathies; Infectious Diseases (Neuro-AIDS, Neurosyphilis, HSV); Neurobehavioral aspects of systemic disease; Neurobehavioral aspects of epilepsysz; Behavioral neurology aspects of nutritional deficiencies; Neurobehavioral aspects of mitochondrial disease; and Medicinal-induced behavioral disorders.

Cerebellar Disease, an Issue of Neurologic Clinics-Alireza Minagar 2014-11-13

Year Book of Neurology and Neurosurgery,-Alireza Minagar 2013-08-14 The Year Book of Neurology and Neurosurgery brings you
abstracts of the articles that reported the year’s breakthrough developments in neurology and neurosurgery, carefully selected from more than 500 journals worldwide. Expert commentaries evaluate the clinical importance of each article and discuss its application to your practice. There’s no faster or easier way to stay informed! Readers will find information on a range of topics, including Movement Disorders, Infectious Diseases of the Nervous System, Neoplastic Disease, Pediatric Neurology and Neurosurgery, Cerebrovascular, Neuro-oncology, and Spine. The Year Book of Neurology and Neurosurgery is published annually in June.

Neurologic Emergencies-Alireza Minagar 2012
Many neurologic disorders can appear in quick and severe forms that require immediate medical attention. This issue of Neurologic Clinics features 14 articles on conditions that commonly present acutely, such as epilepsy, headache, visual loss, nervous system infections, ischemic stroke, head and spinal cord injury, and intracranial hemorrhage.

Multiple Sclerosis-Carlos A. Perez 2021-02-04
Presents a practical and accessible approach to the diagnosis and management of multiple sclerosis in hospital and outpatient settings.

Neurological Disorders and Pregnancy-Alireza Minagar 2010-12
Timely diagnosis and management of neurological diseases during pregnancy poses major therapeutic challenges to neurologists and other non-neurologist health care providers. Pregnancy is a unique period in life associated with significant hormonal and other physiologic changes in female patients, which may trigger or alter the course of neurological and psychiatric disorders. In addition, many diagnostic procedures that can be performed in non-pregnant women are prohibited during pregnancy for safety reasons. Therapeutic decisions and management of a pregnant patient with neurological disorders heavily depends on the issue of the reasonable balance between the risks of no treatment versus active treatment for the mother and her fetus. This book provides a review of the latest findings in this field, giving the neurologist and non-neurologist the information they need to determine the best treatment. Neurological disorders covered include multiple sclerosis, stroke and epilepsy.

Discusses how neurological disorders should be managed in a pregnant patient Includes contributions from leading authorities

The NINCDS Multiple Sclerosis Research Program-National Institute of Neurological and Communicative Disorders and Stroke 1978

Multiple Sclerosis-Carlos A. Perez 2021-01-31
Affecting an estimated 2.5 million people worldwide, multiple sclerosis (MS) is the most common neurological cause of debilitation in young adults. Incurable, and with the precise causes still unknown, both diagnosis and management of the condition is complicated. This book summarizes the latest understanding of the causes of the disease, using accessible, bullet-point text to describe key clinical features and diagnostic criteria. Disease-modifying therapies and management of symptoms, including fatigue, tremor and cognitive changes, are covered in detail. With a chapter focusing solely on presentations in the emergency room, the importance of recognizing these neurological emergencies is emphasised, along with indications for admission in MS patients. The impact of MS on women’s reproductive health and the increasing recognition of MS in pediatric patients is also explored. An up-to-date and practical approach to the accurate diagnosis and management of MS, this is an invaluable resource for both hospital and outpatient settings.

Neuroimmunology in Clinical Practice-Bernadette Kalman 2008-04-15
Written by field experts, Neuroimmunology in Clinical Practice fills a void in traditional neuroimmunology literature, which tends to cover the discipline’s scientific aspects with little emphasis on clinical applications. This unique book is essential reading in clinical neuroimmunology. Written by field experts this book provides a comprehensive description of immune mediated neurological disorders complemented with the most pertinent and up to date scientific data Covers inflammatory demyelination in the central nervous system, autoimmune diseases of the peripheral nervous system and the muscle, and disorders of the central and peripheral nervous systems Fills a gap in existing neuroimmunology literature by focusing on clinical applications
Neuroimmunology-Aaron E. Miller 2012-01-12
Neuroimmunology is a practical and accessible guide for both common and not-so-common neuroimmunological syndromes. Comprised of a collection of thirty short case vignettes, the information is presented in an easily digestible format that consists of a discussion highlighting the topic in question as well as an answer and advice section. This book is the go-to resource for primary care physicians, neurologists and subspecialists who encounter central and peripheral demyelinating diseases, vasculitis, and other immune system related neurological disorders.

Multiple Sclerosis-Daniel Ontaneda 2013-10-25
Negli ultimi 20 anni la terapia e la gestione clinica della sclerosi multipla (SM) sono cambiate in maniera sostanziale. Attualmente le molecole approvate per l’utilizzo nella SM sono nove, con differenti modalità e via di somministrazione, caratteristiche di sicurezza e profilo di efficacia. Per il clinico e il paziente la maggiore disponibilità di farmaci e terapie significa una maggiore flessibilità e possibilità di controllo della malattia. Tuttavia con l’espansione delle opzioni terapeutiche il trattamento della SM è diventato un settore sempre più complesso. Questo libro è nato con lo scopo di presentare al neurologo, all’internista e ai professionisti delle aziende farmaceutiche, in maniera sintetica e puntuale, le opzioni attuali e future per il trattamento di forme recidivanti di SM.

Neurobehavioral Manifestations of Neurological Diseases-Alireza Minagar 2016-02-28
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The Health Care Team for Multiple Sclerosis Patients- 1985

Spinal Cord Diseases, an Issue of Neurologic Clinics-Alireza Minagar 2012-12-11
As a core part of the central nervous system, the spinal cord has a distinctive role in the etiology and exacerbation of common and less common neurologic disorders. This issue of Neurologic Clinics will look at the spinal cord’s involvement in disorders arising generally in the CNS, as well as disorders based within the cord itself. Articles include: Spinal cord: A review of functional neuroanatomy; Infections of spinal cord; Multiple sclerosis and spinal cord; Transverse myelitis; Neuromyelitis optica; Vascular disorders of spinal cord; Spine and spinal cord trauma; Imaging of spinal cord: General principles; Toxic, nutritional, and metabolic deficiencies of spinal cord; Spinal cord: Motor neuron diseases; Spinal cord tumors: New views and future directions; Spinal cord and spasticity: A mechanistic view; Cervical spondylosis and stenosis; Autonomic nervous system disorders and spinal cord; Stiff person syndrome: What is new?; Sleep disorders in patients with spinal cord injury.

100 Questions & Answers About Multiple Sclerosis-William Sheremata 2010-11-15
Whether you are a newly diagnosed patient or a loved one of someone with multiple sclerosis, this book offers information and comfort. Completely revised and updated, 100 Questions & Answers About Multiple Sclerosis, Second Edition provides authoritative, practical answers to the most common questions asked by patients. Written by a leading specialist in the treatment of MS, this easy-to-read book is a comprehensive guide to understanding causes, diagnosis, treatment, and much more. Including actual commentary from patients, 100 Questions & Answers About Multiple Sclerosis, Second Edition is an invaluable resource for anyone coping with the medical, psychological, and emotional turmoil of this disease.

Advances in the Immunopathogenesis of
Many of the pathological aspects of multiple sclerosis (MS) lesions have been known for over a century. It is only recently, however, that different patterns of demyelination have been linked to distinct pathways of immune-mediated tissue destruction. In particular, the inter-individual heterogeneity of MS lesions has suggested that different mechanisms may act in different patients, accounting for the variability observed in clinical course, immunological findings in peripheral blood and cerebrospinal fluid (CSF), and response to immunomodulatory treatments. To provide an overview of the basic mechanisms possibly involved in MS lesion initiation and development, an international meeting was organized in the context of the annual Congress of the Italian Neuroimmunology Association (AINI), held at the University of Chieti, in Chieti Italy on 29 October 1998. The high standard of presentations prompted us to report them in extended form, to highlight recent progress in the understanding of basic mechanisms sustaining MS immunopathogenesis. A central role in the possible mechanisms leading to myelin destruction has been attributed to T lymphocytes reactive to myelin antigens. Studies on the myelin antigen-specific T cell repertoire have contributed significant advances to our knowledge of autoimmunity (Chapters 1,2).


Relapsing-Remitting Multiple Sclerosis: New Insights for the Healthcare Professional: 2011 Edition is a ScholarlyPaper™ that delivers timely, authoritative, and intensively focused information about Relapsing-Remitting Multiple Sclerosis in a compact format. The editors have built Relapsing-Remitting Multiple Sclerosis: New Insights for the Healthcare Professional: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Relapsing-Remitting Multiple Sclerosis in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Relapsing-Remitting Multiple Sclerosis: New Insights for the Healthcare Professional: 2011 Edition has been produced by the world’s leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Mayo Clinic Cases in Neuroimmunology

A Primer of Neuroimmunological Disease

A Primer of Neuroimmunological Disease is a significant new resource for anyone interested in conditions such as multiple sclerosis (MS), myasthenia gravis, and neurological infections. It is a practical and balanced guide to the diagnosis and treatment of neuroimmunological disease. A Primer of Neuroimmunological Disease distinguishes itself by providing a range of features not generally included in texts on neuroimmunology. These include broad presentation of information in the form of figures and tables; strong cohesion among topics by focusing on a few prototypic neuroimmunological diseases, which serve as a foundation from which to explore other neuroimmunological diseases; a single author perspective, with references across chapters; and a focus on the overlap between neuroimmunological and neuroinfectious diseases. Neurologists, immunologists, infectious disease specialists, neuroscientists and others interested in neuroimmunological diseases such as MS will find A Primer of Neuroimmunological to be a state-of-the-art resource.

Clinical Neuroimmunology

Clinical Neuroimmunology: Multiple Sclerosis and Related Disorders serves as an indispensable resource for physicians interested in, and dealing with, this very complex and evolving branch of neurology. This comprehensive title provides an introduction to basic neuroimmunology and principles of immunotherapy and also serves as a thorough guide to immune-mediated disorders of the central and peripheral nervous system, as well as other systemic disorders with a significant neuroimmunologic component. The chapters are written by experts in their fields and include the most up to date scientific information. This volume is made to simplify complex
immunological mechanisms and to focus on practical patient-related issues. Clinical Neuroimmunology: Multiple Sclerosis and Related Disorders is an invaluable addition to the literature and will be of significant interest to neurologists, residents and fellows, internists, and general practitioners who treat patients with neurologic disorders and other systemic autoimmune diseases.

**Neuroimmunology**
J. A. Aarli 1984

2012-01-09 Multiple Sclerosis: New Insights for the Healthcare Professional: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Multiple Sclerosis. The editors have built Multiple Sclerosis: New Insights for the Healthcare Professional: 2011 Edition on the vast information databases of ScholarlyNews™. You can expect the information about Multiple Sclerosis in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Multiple Sclerosis: New Insights for the Healthcare Professional: 2011 Edition has been produced by the world’s leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

**Autoimmune Neurology**
Sean J. Pittock
2016-03-15 "Autoimmune Neurology" presents the latest information on autoimmune neurologic disease, the immune response to the body where organs run wild, causing the immune system to attack itself. Autoimmunity is a main element in numerous nervous system diseases and can target any structure within the central or peripheral nervous system. Over the past 20 years, significant advances in our understanding of the pathophysiology of autoimmune disorders, including the use of biomarkers has led to new diagnosis and treatment options. Neurologic conditions associated with autoimmune reactions include dementia, neuromuscular disease, epilepsy, sleep disorders, diabetes, and other common neurologic disorders and disease. This current tutorial-reference will be a must-have title for clinical neurologists, research neurologists, neuroscientists, and any medical professional working with autoimmune disease and disorders. Includes comprehensive coverage of autoimmune neurologyDetails the latest techniques for the study, diagnosis, and treatment of diseases and disorders, including dementia, neuromuscular disease, epilepsy, and sleep disordersPresents a focused reference for clinical practitioners and the clinical neurology and neurology research communities

**Clinical Aspects of Neuroimmunology**
Edward A. Neuwelt 1978

**Neuroimmunology for the Clinician**
Loren A. Rolak 1997 With 24 contributing authors. This practical guide explains in simple clinical terms the important immunology and therapy needed for the neurologist to confidently diagnose and treat patients with neuroimmunologic problems. * User friendly treatment of a difficult subject: practical, simple, and comprehensive * - Practical guide to how to diagnose and treat immunologic diseases of the nervous system *

**Cerebrospinal Fluid in Neurologic Disorders**
2017-12-01 Cerebrospinal Fluid in Neurologic Disorders, Volume 146 provides a brief overview on the current use of CSF in clinical routine, the physiology of CSF, and its usefulness and potential as a biomarker. The second part addresses the main purpose of the volume, describing CSF from a research perspective in context with the most important diagnostic entities in neurology. The book's authors provide insight into the current understanding of CSF changes in these various conditions and what it tells us about the nature of neurological diseases. Furthermore, methodological aspects are discussed, as are shortcomings that need to be addressed. Finally, the book provides an outlook for potential directions that can be explored to improve the various aspects of CSF research with the ultimate goal of being incorporated in clinical practice. Provides a brief overview on the current use of CSF in clinical routine, the physiology of CSF, and its usefulness and potential as a biomarker Addresses relevant research in...
context with the most important diagnostic entities in neurology. Edited by leading authors in CSF research from around the globe, presenting the broadest, most expert coverage available.