

Aminoff Clinical Neurology 8th

Disorders of Emotion in Neurologic Disease
 Clinical Neurology
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Disorders of Emotion in Neurologic Disease Elsevier

Genetic methodologies are having a significant impact on the study of neurological and psychiatric disorders. Using genetic science, researchers have identified over 200 genes that cause or contribute to neurological disorders. Still an evolving field of study, defining the relationship between genes and neurological and psychiatric disorders is evolving rapidly and expected to grow in scope as more disorders are linked to specific genetic markers. Part I covers basic genetic concepts and recurring biological themes, and begins the discussion of movement disorders and neurodevelopmental disorders, leading the way for Part II to cover a combination of neurological, neuromuscular, cerebrovascular, and psychiatric disorders. This volume in the Handbook of Clinical Neurology will provide a comprehensive introduction and reference on neurogenetics for the clinical practitioner and the research neurologist. - Presents a comprehensive coverage of neurogenetics - Details the latest science and impact on our understanding of neurological psychiatric disorders - Provides a focused reference for clinical practitioners and the neuroscience/neurogenetics research community

Clinical Neurology Elsevier

The neurology of sex and bladder disorders requires specialized knowledge and represents a challenge for clinical neurologists focused on the neurological condition. Sex and bladder disorders are often related to more general neurological disorders like Parkinson's disease and multiple sclerosis, and often the sex and bladder disorders are passed to specialists in urology. Neurology of Sexual and Bladder Disorders: Handbook of Clinical Neurology is a focused, yet comprehensive overview that provides complete tutorial reference to the science, diagnosis and treatment of sex and bladder disorders from a neurologic perspective. - Comprehensive coverage of the neurology of sex and bladder disorders - Details the latest techniques for the study, diagnosis and treatment of sex and bladder dysfunction from a neurological perspective - A focused reference for clinical practitioners and neurology research communities

Sports Neurology Elsevier

The Handbook of Clinical Neurology volumes on Traumatic Brain Injury (TBI) provide the reader with an updated review of emerging approaches to TBI research, clinical management and patient rehabilitation. Chapters in Part II offer coverage of clinical sequelae and long-term outcome, brain plasticity and long-term risks, and clinical trials. Contemporary investigations on blast injury and chronic traumatic encephalopathy are presented, making this state-of-the-art volume a must have for clinicians and researchers concerned with the clinical management, or investigation, of TBI.

Alcohol and the Nervous System Elsevier

Neurology of Vision and Visual Disorders, Volume 178 in the Handbooks of Neurology series provides comprehensive summaries of recent research on the brain and nervous system. This volume reviews alterations in vision that stem from the retina to the cortex. Coverage includes content on vision and driving derived from the large amount of time devoted in clinics to determining who is safe to drive, along with research on the interplay between visual loss, attention and strategic compensations that may determine driving suitability. The title concludes with vision therapies and the evidence behind these approaches. Each chapter is co-written by a basic scientist collaborating with a clinician to provide a solid underpinning of the mechanisms behind the clinical syndromes. - Reviews the neurological underpinnings of visual perception disorders - Encompasses the cortex to the retina - Covers functional organization, electrophysiology and subcortical visual pathways - Discusses assessment, diagnosis and management of visual perception disorders - Includes international experts from Australia, Canada, Denmark, Germany, Singapore, and the UK and US

Clinical Neurophysiology: Diseases and Disorders Elsevier

This new volume in the Handbook of Clinical Neurology presents a comprehensive review of the fundamental science and clinical treatment of psychiatric disorders. Advances in neuroscience have allowed for dramatic advances in the understanding of psychiatric disorders and treatment. Brain disorders, such as depression and schizophrenia, are the leading cause of disability worldwide. It is estimated that over 25% of the adult population in North America are diagnosed yearly with at least one mental disorder and similar results hold for Europe. Now that neurology and psychiatry agree that all mental disorders are in fact, "brain diseases," this volume provides a foundational introduction to the science defining these disorders and details best practices for psychiatric treatment. Provides a comprehensive review of the scientific foundations of psychiatric disorders and psychiatric treatment Includes detailed results from genetics, molecular biology, brain imaging, and neuropathological, immunological, epidemiological, metabolic, therapeutic and historical aspects of the major psychiatric disorders A "must have" reference and resource for neuroscientists, neurologists, psychiatrists, and clinical psychologists as well as all research scientists investigating disorders of the brain

Diabetes and the Nervous System Elsevier

Neuroimaging, Part One, a text from The Handbook of Clinical Neurology illustrates how neuroimaging is rapidly expanding its reach and applications in clinical neurology. It is an ideal resource for anyone interested in the study of the nervous system, and is useful to both beginners in various related fields and to specialists who want to update or refresh their knowledge base on neuroimaging. This first volume specifically covers a description of imaging techniques used in the adult brain, aiming to bring a comprehensive view of the field of neuroimaging to a varying audience. It brings broad coverage of the topic using many color images to illustrate key points. Contributions from leading global experts are collated, providing the broadest view of neuroimaging as it currently stands. For a number of neurological disorders, imaging is not only critical for diagnosis, but also for monitoring the effect of therapies, and the entire field is moving from curing diseases to preventing them. Most of the information contained in this volume reflects the newness of this approach, pointing to this new horizon in the study of neurological disorders. - Provides a relevant description of the technologies used in neuroimaging, including computed tomography (CT), magnetic resonance imaging (MRI), positron emission tomography (PET), and several others - Ideal resource for anyone studying the nervous system, from beginners to specialists interested in recent advances in neuroimaging of the adult brain - Discusses the application of imaging techniques to the study of brain and spinal cord disease and its use in various syndromes - Contains vibrant, colorful images to illustrate key points

Electrodiagnosis in Clinical Neurology Academic Press

Widely acknowledged as the most comprehensive book on its subject, this book offers concise, practical guidance on the use of electrodiagnostic techniques for investigating problems of both the central and peripheral nervous systems. Forty-two experts, many new to this edition, discuss the principles, scope, limitations, diagnostic importance, prognostic relevance and complications for each technique.

Neonatal Neurology Oxford University Press

The text that bridges the gap between basic neuroscience and clinical practice - updated with the latest advances and full-color illustrations For more than twenty years, Clinical Neurology has helped students, residents, and clinicians understand the link between basic neuroscience and current approaches in diagnosis and treatment. Distinguished by its practice-oriented approach to neurology based on presenting symptoms, this trusted classic delivers the clearest and most concise introduction to the field available anywhere. Features: Essential concepts are presented within a framework of problems encountered in a clinical setting for greater relevance to real-world practice

More than 200 tables and figures put key information at your fingertips Treatment protocols reflect the most recent advances in the field Advances in molecular biology and genetics are incorporated throughout NEW Introductory chapters on the neurologic history and examination and laboratory investigations NEW State-of-the-art discussions of the molecular basis of Alzheimer disease and other dementias, spinocerebellar ataxias, motor neuron disease, muscular dystrophies, Parkinson disease, Huntington disease, multiple sclerosis, epilepsy and stroke; and coverage of recent advances in the treatment of neurologic complications of general medical disorders, headache and facial pain, movement disorders, seizures, and cerebrovascular disease, and other conditions NEW Full-color illustrations that clarify neuroanatomic principles, clinical-anatomic correlations, pathophysiologic mechanisms, and clinical and radiological signs

Occupational Neurology Elsevier

The Neurology of HIV Infection covers all aspects of nervous system involvement and pathology in HIV-infected individuals. Specialists in this field cover epidemiology, global aspects, pathology and pathogenesis of nervous system disease in HIV-infection. All complications, including the pathology caused by HIV itself and all opportunistic infections of the nervous system are reviewed in detail. Both central nervous and peripheral nervous system complications, including neuropathies and myopathies, are discussed. Key chapters on global developments, HIV-associated neurocognitive disorders, IRIS, stroke and neuro-aids in children complete this volume. - Covers all aspects of nervous system involvement and pathology in HIV-infected individuals - Includes the pathology caused by HIV and all opportunistic infections of the nervous system - Presents key chapters that focus on global developments, HIV-associated neurocognitive disorders, IRIS, stroke and neuro-aids in children

Neuroimaging, Part I Elsevier

Sex Differences in Neurology and Psychiatry, Volume 175, addresses this important issue by viewing major neurological and psychiatric conditions through the lens of sexual dimorphism, providing an entirely novel approach to understanding vulnerability factors, as well as potential new treatment strategies in several common neuropsychiatric disorders. The handbook comprises four major sections: (1) Introduction to sex differences in neuroanatomy and neurophysiology, (2) Description of the impact of genetic, epigenetic, sex hormonal and other environmental effects on cerebral sex dimorphism, (3) Review of sex differences in neurologic disorders, and (4) Review of sex differences in psychiatric disorders. - Explores sex differences in human neuroanatomy and neurophysiology - Offers a pathway toward a gender-specific treatment of neurologic and psychiatric disorders - Provides an overview of the genetics of sex hormones, human brain structure, and function, as well as the epigenetics, environment and social context

The Human Auditory System Elsevier

This volume presents a comprehensive guide to one of the most important goals of neuroscience, establishing precision structure-function relationships in the brain. Progressing from the early stages of research, specifically the advent of computerized tomography and later, magnetic resonance imaging, this invaluable resource will take clinicians on an all encompassing journey into the ways different fields of neurology can work together to advance our understanding of brain disorders. Complex topics including the neurochemistry of cognition, neuropsychology of aging and dementia, disorders of semantic memory, working memory, and the dysexecutive syndromes, amongst others, are thoroughly discussed and presented. Clinicians will find a state-of-the-art reference guide that can be used to further understand how the fields of neuropsychology and behavioral neurology can complement each other to produce advancements in the neurosciences. * Comprehensive information on the ways neuropsychology and behavioral neurology can work together to advance research * Complex topics that explore the neurochemistry of cognition, the neuropsychology of aging and dementia, and disorders of semantic memory, amongst others * Important breakthroughs in brain mapping techniques that have advanced diagnosis and patient care management within the neurosciences

Balance, Gait, and Falls Elsevier Health Sciences

Occupational Neurology a volume in the Handbook of Clinical Neurology Series, provides a comprehensive overview of the science, clinical diagnosis, and treatment for neurotoxin related neurological and psychiatric disorders. This timely collection provides not only a complete scientific reference on the chemical origin of this class of neurological and psychiatric disorders, but also a practical guide to diagnosis and treatment challenges and best practices. Handbook of Clinical Neurology Series The first volume of the Handbook of Clinical Neurology under the editorship of George Bruyn and Pierre Vinken was published in 1968. In 1982, the series was brought to an interim conclusion with the publication of the cumulative index volume (Volume 44). By that stage, the Handbook had come to represent one of the largest scientific works ever published. It enjoys a high reputation in specialist media circles throughout the world. After the series was concluded in 1982, it was realized that an update of the material was imperative. Accordingly, a revised series was planned and published over the following years, concluding with the publication of another cumulative index to both series (Volume 76-78) in 2002. Since then, George Bruyn has passed away and Pierre Vinken has retired, but the need for a further new series, incorporating advances in the field, again become necessary. Professors Michael J. Aminoff, François Boller and Dick F. Swaab have with enthusiasm taken on the responsibility of supervising the preparation of a third series, the first volumes of which were published in 2003. Now, more than 130 volumes after the first published, the Handbook of Clinical Neurology series continues to have an unparalleled reputation for providing the latest foundational research, diagnosis, and treatment protocols essential for both basic neuroscience research and clinical neurology. - Provides comprehensive coverage of neurotoxins, especially in the workplace - Details the latest science as the foundation for neurotoxicity diagnosis and treatment - Presents coverage of the diagnosis and treatment essential for clinical neurologists and occupational medicine specialists

Functional Neurologic Disorders Elsevier

Brain Banking, Volume 150, serves as the only book on the market offering comprehensive coverage of the functional realities of brain banking. It focuses on brain donor recruitment strategies, brain bank networks, ethical issues, brain dissection/tissue processing/tissue dissemination, neuropathological diagnosis, brain donor data, and techniques in brain tissue analysis. In accordance with massive initiatives, such as BRAIN and the EU Human Brain Project, abnormalities and potential therapeutic targets of neurological and psychiatric disorders need to be validated in human brain tissue, thus requiring substantial numbers of well characterized human brains of high tissue quality with neurological and psychiatric diseases. - Offers comprehensive coverage of the functional realities of brain banking, with a focus on brain donor recruitment strategies, brain bank networks, ethical issues, and more - Serves as a valuable resource for staff in existing brain banks by highlighting best practices - Enhances the sharing of expertise between existing banks and highlights a range of techniques applicable to banked tissue for neuroscience researchers - Authored by leaders from brain banks around the globe - the broadest, most expert coverage available

Clinical Neurophysiology: Basis and Technical Aspects Elsevier

Brain-Computer Interfacing, Volume 168, not only gives readers a clear understanding of what BCI science is currently offering, but also describes future expectations for restoring lost brain function in patients. In-depth technological chapters are aimed at those interested in BCI technologies and

the nature of brain signals, while more comprehensive summaries are provided in the more applied chapters. Readers will be able to grasp BCI concepts, understand what needs the technologies can meet, and provide an informed opinion on BCI science. - Explores how many different causes of disability have similar functional consequences (loss of mobility, communication etc.) - Addresses how BCI can be of use - Presents a multidisciplinary review of BCI technologies and the opportunities they provide for people in need of a new kind of prosthetic - Offers a comprehensive, multidisciplinary review of BCI for researchers in neuroscience and traumatic brain injury that is also ideal for clinicians in neurology and neurosurgery

Brain Banking Elsevier

Functional Neurologic Disorders, the latest volume in the Handbook of Clinical Neurology series, summarizes state-of-the-art research findings and clinical practice on this class of disorders at the interface between neurology and psychiatry. This 51-chapter volume offers an historical introduction, chapters on epidemiology and pathophysiology, a large section on the clinical features of different type of functional neurologic symptoms and disorders (including functional movement disorders, non-epileptic seizures, dizziness, vision, hearing, speech and cognitive symptoms), and then concluding with approaches to therapy. This group of internationally acclaimed experts in neurology, psychiatry, and neuroscience represent a broad spectrum of areas of expertise, chosen for their ability to write clearly and concisely with an eye toward a clinical audience. This HCN volume sets a new landmark standard for a comprehensive, multi-authored work dealing with functional neurologic disorders (also described as psychogenic, dissociative or conversion disorders). - Offers a comprehensive interdisciplinary approach for the care of patients with functional disorders seen in neurologic practice, leading to more efficient prevention, management, and treatment - Provides a synthesis of research efforts incorporating clinical, brain imaging and neurophysiological studies - Fills an existing gap between traditional neurology and traditional psychiatry - Contents include coverage of history, epidemiology, clinical presentations, and therapy - Edited work with chapters authored by leaders in the field, the broadest, most expert coverage available

Neuropsychology and Behavioral Neurology Academic Press

This is one volume of a two-volume work on neurocognitive development, focusing separately on normative and non-normative development. The disorders and disabilities volume focuses on disorders of intellectual abilities, language, learning memory as well as psychiatric developmental disorders. The developmental aspects of neurological diseases in children is also covered. Chapters discuss when and how these disorders develop, the genetics and neurophysiology of their operation, and their evaluation and assessment in clinical practice. Assessment, treatment, and long-term outcome are provided as well as advances in methods and tools for assessment. This book will serve as a comprehensive reference to researchers in cognitive development in neuroscience, psychology, and medicine, as well as to clinicians and allied health professionals focused on developmental disabilities (child neurologists, pediatric neuropsychologists, child psychiatrists, speech and language therapists, and occupational therapists.) Summarizes research on neurocognitive developmental disorders and disabilities Includes disorders of intellectual abilities, language, learning, memory, and more Separately covers developmental aspects of neurological diseases in children Features advances in methods and tools of assessment Reviews patient care, rehabilitation, and long-term outcomes Provides interdisciplinary information of use to both researchers and clinicians

The Parietal Lobe Elsevier

Disorders of Emotion in Neurologic Disease, Volume 183 in the Handbook of Clinical Neurology Series, informs clinicians on which neurologic diseases are likely to have a secondary effect on emotion, what to look for in diagnosis, and best practices for treatment. The book begins with an understanding of the neurological basis for emotions in order to better understand what goes awry in neurological disease. It then discusses specific neurologic diseases and disorders affecting emotion. - Reviews the neurology of emotions - Specifies neurologic diseases that affect emotional expression - Informs clinicians on how to diagnose, along with best practices for treatment - Includes coverage of stroke, dementia, epilepsy, Huntington's, Parkinson's, TBI, and more

The Frontal Lobes Elsevier

This is one of a two-volume work on neurocognitive development, focusing separately on normative and non-normative development. The normative volume focuses on neurology, biology, genetics, and psychology of normative cognitive development. It covers the development of intellectual abilities, visual perception, motor function, language, memory, attention, executive function, social cognition, learning abilities, and affect and behavior. The book identifies when and how these functions develop, the genetics and neurophysiology of their operation, and their evaluation and assessment in clinical practice. This book will serve as a comprehensive reference to researchers in cognitive development in neuroscience, psychology, and medicine, as well as to clinicians and allied health professionals focused on developmental disabilities (child neurologists, pediatric neuropsychologists, child psychiatrists, speech and language therapists, and occupational therapists.) - Summarizes research on normative neurocognitive development - Includes intellectual abilities, language, memory, attention, motor function, and more - Discusses genetics and environmental influences on development - Provides interdisciplinary information of use to both researchers and clinicians

Neurology and Pregnancy Elsevier

Appropriately select, implement, and interpret electrodiagnostic tests to identify a full range of central and peripheral nervous system disorders with Aminoff's Electrodiagnosis in Clinical Neurology! Covering everything from basic principles to the latest advances in electrodiagnosis, this medical reference book helps you make optimal use of this powerful but complex diagnostic modality in compliance with regulatory and professional standards, so you can diagnose patients accurately and initiate effective treatment and management strategies. - Deepen your understanding of the principles, scope, limitations, diagnostic importance, prognostic relevance, and complications for each technique. - Visually grasp the technical and practical aspects of electrodiagnostic tests with almost 800 charts, figures, and tables. - Rely on the knowledge, experience, and perspective of renowned expert Dr. Michael J. Aminoff and an international team of contributors comprised of a virtual "who's who" of clinical neurophysiology. - Keep up with developments in the field through significant updates, including new chapters on Artifacts and Normal Variants in the Electroencephalogram; Microneurography; Clinical Applications of Nerve Excitability Testing; Ultrasound of Muscle and Nerve; The Blink Reflex and Other Brainstem Reflexes; Visual Evoked Potentials, Electroretinography and Other Diagnostic Approaches to the Visual System; and Magnetic Stimulation in Clinical Practice and Research. - Access information on the go from your laptop or mobile device via expertconsult.com, featuring fully searchable text, and links to PubMed. - Meet regulatory and professional standards and apply best practices with state-of-the-art guidance (for both non-specialists and specialists) emphasizing the clinical applications of each electrodiagnostic technique. - Get easily actionable information and avoid mistakes with electrophysiologic findings integrated into the clinical context in which they are obtained.

Neurogenetics, Part II Elsevier

The Parietal Lobe, Volume 151, the latest release from the Handbook of Clinical Neurology series,

provides a foundation on the neuroanatomy, neurophysiology and clinical neurology/neuropsychology of the parietal lobe that is not only applicable to both basic researchers and clinicians, but also to students and specialists who are interested in learning more about disorders brought on by damage or dysfunction. Topics encompass the evolution, anatomy, connections, and neurophysiology, the major neurological and neuropsychological deficits and syndromes caused by damage, the potential for improvement via transcranial stimulation, and the

role of the parietal in the cerebral networks for perception and action. - Provides a broad overview of the neuroanatomy, neurophysiology and clinical neurology of this region of the cortex - Offers additional insights regarding the role of the parietal in the cerebral networks for perception and action - Addresses the most frequent complications associated with damage, including somatosensory, perceptual, language, and memory, deficits, pain, optic ataxia, spatial neglect, apraxia, and more - Edited work with chapters authored by global leaders in the field - Presents the broadest, most expert coverage available