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Applied Neurotoxicology, an Issue of Neurologic Clinics, Volume 38-4 Michael R. Dobbs 2020-11-28 This issue of Neurologic Clinics, guest edited by Drs. Michael R. Dobbs and Mam I. Ibraheem, is devoted to Applied Neurotoxicology. This issue is one of four selected each year by the series Consulting Editor, Dr. Randolph W. Evan. Articles in this issue include: Peripheral Neuropathy, Toxin-induced Channelopathies and Neuromuscular Junction Disorders, Myopathy, Acute delirium, Subacute Encephalopathy, Coma and CNS depression, Cerebellar disorders, Parkinsonism, Seizures, Amyotrophic Lateral Sclerosis, Neurobiological Weapons, Women's and Fetal Issues in Neurotoxicology, and Ethical Dilemmas in Neurotoxicology.

Case Studies in Neuromuscular Disorders, An Issue of Neurologic Clinics Aziz Shaibani 2020-08-28 This issue of Neurologic Clinics, guest edited by Dr. Aziz Shaibani, is devoted to Case Studies in Neuromuscular Disorders. This issue is one of four selected each year by the series Consulting Editor, Dr. Randolph W. Evan. Articles in this issue include: Myotonia, Muscular Dystrophy, Spinal Muscular Atrophy, Advances in Clinical Genetics, FSHD New Diagnosis and Therapies, Congenital Myasthenic Syndrome, Diabetic Amyotrophy, ALS: Management Problems, Diagnostic and Therapeutic Challenges in Myasthenia Gravis, Scapular Winging, Small Fiber Neuropathy, Myopathies, Distal Myopathies, Inflammatory Myopathies, Muscle Cramps, Misdiagnosis of IBM, and Immune Mediated Neuropathies.

Applied Neurotoxicology, An Issue of Neurologic Clinics E-Book Michael R. Dobbs 2020-10-23 This issue of Neurologic Clinics, guest edited by Drs. Michael R. Dobbs and Mam I. Ibraheem, is devoted to Applied Neurotoxicology. This issue is one of four selected each year by the series Consulting Editor, Dr. Randolph W. Evan. Articles in this issue include: Peripheral Neuropathy, Toxin-induced Channelopathies and Neuromuscular Junction Disorders, Myopathy, Acute delirium, Subacute Encephalopathy, Coma and CNS depression, Cerebellar disorders, Parkinsonism, Seizures, Amyotrophic Lateral Sclerosis, Neurobiological Weapons, Women's and Fetal Issues in Neurotoxicology, and Ethical Dilemmas in Neurotoxicology.

Electromyography, An Issue of Neurologic Clinics, E-Book Devon I. Rubin 2021-10-06 This issue of Neurologic Clinics, guest edited by Dr. Devon I. Rubin, will cover key topics in Electromyography. This issue is one of four selected each year by our series consulting editor, Dr. Randolph W. Evans. Topics discussed in this issue will include: Nerve Conduction Studies, Needle EMG, Electrodiagnostic Assessment of Uncommon Mononeuropathies, EDX Assessment of Uncommon Mononeuropathies, Electrodiagnostic Assessment of Radiculopathies, Electrodiagnostic Assessment of Plexopathies, Electrodiagnostic Assessment of Polyneuropathy, Electrodiagnostic Assessment of Myopathy, Electrodiagnostic Assessment of Neuromuscular Junction Disorders, Electrodiagnostic Assessment of Motor Neuron Diseases, Electrodiagnostic Assessment of Hyperexcitable Nerve Disorders, and EMG Case Examples. Provides in-depth, clinical reviews on the latest updates in Electromyography, providing actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field; Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews.

Myopathies, an Issue of Neurologic Clinics Mazen Dimachkie 2014-07-23 Congenital myopathies, Muscular dystrophies, Glycogen storage diseases of muscle, and Idiopathic and Inflammatory myopathies are presented in this volume of Neurologic Clinics. Topics include: Muscle channelopathies; Pompe disease; Congenital myopathies and muscular dystrophies; Duchenne and Becker muscular dystrophies; Distal myopathies; Limb-girdle muscular dystrophy; Fascioscapulohumeral muscular dystrophy; Myotonic dystrophy; Metabolic and mitochondrial myopathies; Sporadic inclusion body myositis; Toxic myopathies; Idiopathic Inflammatory myopathies; Approach to muscle disease.

Addictive Substances and Neurological Disease Ronald Ross Watson 2017-02-18 Addictive Substances and Neurological Disease: Alcohol, Tobacco, Caffeine, and Drugs of Abuse in Everyday Lifestyles is a complete guide to the manifold effects of addictive substances on the brain, providing readers with the latest developing research on how these substances are implicated in neurological development and dysfunction. Cannabis, cocaine, and other illicit drugs can have substantial negative effects on the structure and functioning of the brain. However, other common habituating and addictive substances often used as part of an individual's lifestyle, i.e., alcohol, tobacco, caffeine, painkillers can also compromise brain health and effect or accentuate neurological disease. This book provides broad coverage of the effects of addictive substances on the brain, beginning with an overview of how the substances lead to dysfunction before examining each substance in depth. It discusses the pathology of addiction, the structural damage resulting from abuse of various substances, and covers the neurobiological, neurodegenerative, behavioral, and cognitive implications of use across the lifespan, from prenatal exposure, to adolescence and old age. This book aids researchers seeking an understanding of the neurological changes that these substances induce, and is also extremely useful for those seeking potential treatments and therapies for individuals suffering from chronic abuse of these substances. Integrates current research on the actions of addictive substances in neurological disease Includes functional foods, such as caffeine beverages, that have habituating effects on the brain Provides a synopsis of key ideas

associated with the consequences of addictive and habituating lifestyle substances

Ultimate Review for the Neurology Boards Dr. Hubert Fernandez, MD 2011-06-30 "Written by the lead author of the popular review book *Ultimate Review for the Neurology Boards, Second Edition*, this handy paperback is an essential tool for Board preparation and can be used independently or as a supplement to any review book. *Ultimate Review for the Neurology Boards: Question and Answer Companion* contains structured test questions, answers, and explanations designed to help the busy clinician prepare for the neurology boards, the AAN's RITE® exam, or recertification. Using a Q&A format to test recall and sharpen skills, all areas covered on the boards are represented. The book opens with a set of test-taking tips, and then breaks down the field of neurology into 23 chapters covering all the subjects tested on the boards including psychiatry. Each chapter contains from 8 to 30 multiple-choice questions, with answers and complete explanations. Case-based questions with radiologic, electrophysiologic, and color pathologic findings are liberally represented in the mix to simulate the full range of question types you will encounter on exam day. The book closes with a Mock Board Examination containing 125 additional random questions and answers to build confidence and a collection of 70 High-Yield Facts and Tables for last-minute reinforcement before the exam. The *Ultimate Review for the Neurology Boards: Question and Answer Companion* ÷ is designed to give you the edge on test day Q&A review of all topics contained on the neurology board exam, including psychiatry Over 450 board-type multiple-choice questions with clear, concise answers and explanations Contains a Mock Board Examination with 125 additional questions and answers for self-testing Includes illustrated case-based questions to prepare you for everything you will find on the Boards High-yield information section with 70 essential tables and facts distilled for quick last-minute review Use the code inside to access the FREE Ultimate Neurology website containing hundreds of cases, flashcards, and images for further study Whether as an adjunct to *Ultimate Review for the Neurology Boards* or other review books, or as a stand-alone test preparation tool *Ultimate Review for the Neurology Boards: Question and Answer Companion* is the perfect companion for test-takers in neurology at any level."

Therapy in Neurology, An Issue of Neurologic Clinics E-Book José Biller 2020-12-02 This issue of *Neurologic Clinics*, guest edited by Dr. José Biller, is devoted to *Therapy in Neurology*. This issue is one of four selected each year by the series Consulting Editor, Dr. Randolph W. Evan. Articles in this issue include: Update on CGRP Antagonism in the Treatment of Migraine, Advances in the Treatment of Multiple Sclerosis, Advances in the Treatment of Neuromyelitis Optica Spectrum Disorder, Advances and ongoing controversies in PFO closure and cryptogenic stroke, Advances in neuromodulation/neurostimulation in Neurology, Advances in the treatment of muscular dystrophies and motor neuron disorders, Advances in the management of small fiber neuropathies, Update in the treatment of Idiopathic Intracranial Hypertension, What is new in neuro-oncology?, Advances in the surgical management of epilepsy, Treatment of Viral Encephalitis, An update on Botulinum toxin in neurology, Cannabinoids in neurological illnesses, and Pitfalls in Transitioning Neurological Care of the Developmentally Disabled from Pediatric to Adult Providers.

The Neurologic Examination Hiroshi Shibasaki 2022 "In order to make the diagnosis of neurological diseases in a systematic way, it is practical and useful to take into account 3 axes; axis 1 anatomical, axis 2 etiological, and axis 3 clinical. It is effective to consider these 3 axes through all steps of neurological diagnosis from the history taking to the neurologic examination, before choosing the necessary laboratory tests"--

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.

Neurosurgery for Neurologists, An Issue of Neurologic Clinics, E-Book Russell R. Lonser 2022-04-27 In this issue of *Neurologic Clinics*, guest editors Drs. Russell R. Lonser and Daniel K. Resnick bring their considerable expertise to the topic of *Neurosurgery for Neurologists*. Top experts in the field cover key topics such as indications and advances in surgical epilepsy, critical care management of traumatic brain injury, neurosurgical mimics, surgical neuro-oncology, and more. Contains 16 relevant, practice-oriented topics including degenerative spine disorders and multiple sclerosis; spinal fusion update; intraoperative monitoring for spinal surgery; peripheral nerve injury and compression; diagnosis and treatment of Chiari malformation; and more. Provides in-depth clinical reviews on neurosurgery for neurologists, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

Clinical Neurogenetics, An Issue of Neurologic Clinics, Brent L. Fogel 2013-11-06 This issue of *Neurologic Clinics* features a review of clinical neurogenetics as it pertains to the following disorders: Huntington Disease; Autism/ASD; Fragile X Tremor Ataxia Syndrome (FXTAS); Lysosomal Storage Diseases; Psychiatric Disorders; Dominant Spinocerebellar Ataxias; Metabolic Disorders; Friedreich Ataxia; ALS; Dementia; Neuromuscular Disorders; Stroke; Epilepsy; and Dystonia.

Treatment of Movement Disorders, An Issue of Neurologic Clinics Joseph Jankovic 2020-05-11 In collaboration with Consulting Editor, Randolph W. Evans, Dr. Joseph Jankovic has put together an issue of *Neurologic Clinics* devoted to *Treatment of Movement Disorders*. Topics include, but are not limited to, Clinical Rating Scales and Quantitative Assessments of Movement Disorders, Pharmacologic Treatment of Motor Symptoms Associated with Parkinson's Disease, Treatment of Non-Motor Symptoms Associated with Parkinson's Disease, Surgical Treatment of Parkinson's Disease, Emerging Medical and Surgical Treatments of Essential Tremor, Medical and Surgical Treatments of Dystonia, Medical and Surgical Treatments of Tourette Syndrome, Medical, Genetic and Surgical Treatments of Huntington Disease, Treatment of Tardive Dyskinesia, Medical and Surgical Treatments of Cerebral Palsy, Treatment of Wilson Disease, Treatment of Paroxysmal Dyskinesias, Treatment of Ataxia, and Treatment of Functional (Psychogenic) Movement Disorders.

Ambulation in Adults with Central Neurologic Disorders, An Issue of Physical Medicine and Rehabilitation Clinics Francois Bethoux 2013-04-25 This issue of *Physical Medicine and Rehabilitation Clinics*, Guest Edited by Dr. Francois Bethoux, is devoted to the topic of *Ambulation in Adults with Central Neurologic Disorders*. Ambulation, or the restoration thereof, is an extremely important part of recovery from any number of ailments or surgeries, from stroke to hip replacements. This issue will focus on the restoration of

ambulation in adults suffering from central neurologic disorders, which is a major area for physiatrists. It will include articles on MS, stroke, Parkinson's disease, and spinal cord injuries. It will also offer information on how to measure and analyze ambulation in recovery, and medical treatments to improve ambulation.

Case Studies in Neurology, An Issue of Neurologic Clinics, E-Book Randolph W. Evans 2016-08-02 This issue of the Neurologic Clinics is being edited by the series Consulting Editor, Dr. Randolph Evans, and will be a special issue focusing on patient case studies of a board range of neurological diseases and disorders. Topics and cases covered include, but are not limited to: cerebrovascular disease, multiple sclerosis, syncope, epilepsy, tremor, dementia, neurologic issues in pregnancy, and medicolegal cases.

Neuroimaging, An Issue of Neurologic Clinics, Laszlo Mechtler 2014-02-09 With each passing year neuroimaging becomes more and more central in the diagnosis of neurologic disease, as its capacity to detect subtle changes in nervous system tissue increases. This issue of Neurologic Clinics features twelve articles that address the key clinical applications of the several radiologic modalities. Topics include: Neuro-Imaging of Infectious Disease; Neuro-Imaging of Dementia; Imaging of Traumatic Brain Injury; 3. MR Guided Focused Ultrasound: A New Technology for Clinical Neurosciences; Novel Multi-Modality Imaging Techniques for the Diagnosis and Evaluation of Arteriovenous Malformations; Neuroimaging in the Critical Care Environment; Imaging of Cerebral Ischemia: From Acute Stroke to Chronic Disorders; Imaging of Cancer-Related Neurotoxicity; Neurocutaneous Syndromes; Imaging of Chiari Malformation and Hydrocephalus; and others.

Rosenberg's Molecular and Genetic Basis of Neurological and Psychiatric Disease Roger N. Rosenberg 2014-10-28 Rosenberg's Molecular and Genetic Basis of Neurologic and Psychiatric Disease, Fifth Edition provides a comprehensive introduction and reference to the foundations and key practical aspects relevant to the majority of neurologic and psychiatric disease. A favorite of over three generations of students, clinicians and scholars, this new edition retains and expands the informative, concise and critical tone of the first edition. This is an essential reference for general medical practitioners, neurologists, psychiatrists, geneticists, and related professionals, and for the neuroscience and neurology research community. The content covers all aspects essential to the practice of neurogenetics to inform clinical diagnosis, treatment and genetic counseling. Every chapter has been thoroughly revised or newly commissioned to reflect the latest scientific and medical advances by an international team of leading scientists and clinicians. The contents have been expanded to include disorders for which a genetic basis has been recently identified, together with abundant original illustrations that convey and clarify the key points of the text in an attractive, didactic format. Previous editions have established this book as the leading tutorial reference on neurogenetics. Researchers will find great value in the coverage of genomics, animal models and diagnostic methods along with a better understanding of the clinical implications. Clinicians will rely on the coverage of the basic science of neurogenetics and the methods for evaluating patients with biochemical abnormalities or gene mutations, including links to genetic testing for specific diseases. Comprehensive coverage of the neurogenetic foundation of neurological and psychiatric disease Detailed introduction to both clinical and basic research implications of molecular and genetic understanding of the brain Detailed coverage of genomics, animal models and diagnostic methods with new coverage of evaluating patients with biochemical abnormalities or gene mutations

Neurodegenerative Diseases Nagehan Ersoy Tunali 2021-01-20 Neurodegenerative diseases represent a very large group of heterogeneous disorders affecting specific subtypes of neurons in the brain. This book contributes insight both to the awareness of the brain and its neurodegenerative states. The chapters present current knowledge regarding genetics, molecular mechanisms, and new therapeutic strategies against neurodegenerative disorders. The book is intended to serve as a source to aid clinicians and researchers in the field, and also life science readers to increase their understanding and awareness of the clinical correlations, genetic aspects, neuropathological findings, and current therapeutic interventions in neurodegenerative diseases. I believe that this book will enlighten the curiosity for neurodegeneration and also encourage researchers to work on potentially effective molecular therapies for still mysterious neurodegenerative disorders.

Movement Disorders, An Issue of Neurologic Clinics, Joseph Jankovic 2014-12-27 The daily life impact of movement disorders on people affected ranges from the inconvenient to major quality of life issues, depending upon the disorder and its progression. Topics in this issue of Neurologic Clinics address: Pathogenic Mechanisms of Neurodegeneration in Parkinson's Disease; Treatment Strategies in Early and Advanced Parkinson's Disease; Atypical Parkinsonism; Medical and Surgical Treatment of Tremors; Diagnosis and Treatment of Dystonia; Huntington's Disease: Pathogenesis and Treatment; Tics and Tourette Syndrome; Paroxysmal Movement Disorders; Drug-induced Movement Disorders; Wilson Disease and other Neurodegenerations with Metal Accumulations; Psychogenic Movement Disorders; Ataxia; Gait Disorders; and Movement Disorders in Systemic Diseases. Videos are planned for the majority of the presentations and each article presents an Overview, Imaging, Pathology, and Diagnostic Dilemmas. The editor of this issue of Neurologic Clinics, Dr. Joseph Jankovic, is well known as expert in the pathophysiology, diagnosis, and management of movement disorders - he has served as president of the international Movement Disorder Society and is recipient of numerous research awards related to these disorders. Dr Jankovic has involved world renown experts as authors in this publication.

Neurogenetics 2018-01-08 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

Migraine and other Primary Headaches, An Issue of Neurologic Clinics Randolph W. Evans 2019-10-07 This issue of Neurologic

Clinics, guest edited by consulting editor Randolph W. Evans, will focus on Migraine and other Primary Headaches. Topics include, but are not limited to, Epidemiology, Burden, and Comorbidities of Migraine; Pathophysiology of Migraine; Transient Neurologic Dysfunction in Migraine; Vestibular Migraine; Diagnostic Testing for Migraine; Acute Treatment of Migraine; Migraine in the Emergency Department; Preventive Migraine Treatment; Inpatient Management of Migraine; Behavioral Medicine for Migraine; Chronic Migraine; Pediatric Migraine; Migraine in Women; Trigeminal Autonomic Cephalgias; and Other Primary Headaches. Secondary Headache, An Issue of Neurologic Clinics, Randolph W. Evans 2014-04-10 Secondary headaches account for about 10% of headaches and require meticulous diagnosis because of their life-threatening potential. The secondary headaches include a diverse and fascinating array of etiologies which can mimic primary headache disorders ranging from the rare to the mundane and from the well established to the highly controversial. This issue of Neurologic Clinics is devoted entirely to secondary headaches with topics that include: Headaches due to nasal and paranasal sinus disease; Headaches due to vascular disorders; Headaches and brain tumors; Low cerebrospinal fluid pressure syndromes; Painful ophthalmologic disorders and eye pain; Idiopathic intracranial hypertension (pseudotumor cerebri); Cough, exertional, and sex headaches; The neck and headaches; Drug-induced headaches; Trigeminal neuralgia and glossopharyngeal neuralgia; Headaches and vasculitis; Tonsillar ectopia and headaches; Post-traumatic headaches; Metabolic headaches; Temporomandibular joint disorders, bruxism, and headaches.

Principles and Practice of Movement Disorders E-Book Joseph Jankovic 2021-06-11 Offering a state-of-the-art, authoritative summary of the most relevant scientific and clinical advances in the field, Principles and Practice of Movement Disorders provides the expert guidance you need to diagnose and manage the full range of these challenging conditions. Superb summary tables, a large video library, and a new, easy-to-navigate format help you find information quickly and apply it in your practice. Based on the authors' popular Aspen Course of Movement Disorders in conjunction with the International Parkinson and Movement Disorder Society, this 3rd Edition is an indispensable resource for movement disorder specialists, general neurologists, and neurology residents. Explores all facets of movement disorders, including the latest rating scales for clinical research, neurochemistry, clinical pharmacology, genetics, clinical trials, and experimental therapeutics. Provides the essential information you need for a clinical approach to diagnosis and management, with minimal emphasis on basic science. Reflects recent advances in areas such as the genetics of Parkinsonian and other movement disorders, diagnostic brain imaging, new surgical approaches to patients with movement disorders, and new treatment guidelines for conditions such as restless legs syndrome. Features a reader-friendly, full-color format, with plentiful diagrams, photographs, and tables. Includes access to several hundred updated, professional-quality video clips that illustrate the manifestations of all the movement disorders in the book along with their differential diagnoses.

Hospital Neurology, An Issue of Neurologic Clinics, E-Book Vanja Douglas 2021-11-23 Hospital Neurology, An Issue of Neurologic Clinics, E-Book

Pediatric Neurology, An Issue of Neurologic Clinics, E-Book Gary Clark 2021-07-09 This issue of Neurologic Clinics, guest edited by Drs. Gary D. Clark and James J. Riviello, will cover key topics in Pediatric Neurology. This issue is one of four selected each year by our series consulting editor, Dr. Randolph W. Evans. Topics discussed in this issue will include: The State of Child Neurology; The Financial Power of Neurology in a Major Children's Hospital; Neurology in a Pandemic; Education: Training the Next Generation of Child Neurologists and Neurodevelopmental Disability Doctors, Student Education and Recruitment; Genetic Testing and Counseling in Child Neurology; Novel Treatments and Clinical Research in Child Neurology; Epilepsy: Novel Surgical Techniques and Monitoring; Epilepsy: Genetics; Epilepsy: Treatment of Epileptic Syndromes; Neuromodulation for Pediatric Epilepsy; Inflammatory Diseases of the Nervous System; Neurooncology; Neurocritical Care and Brain Monitoring; The Brain and Heart Disease in Children; Neurology of Sleep; and Evidence Based Protocols.

Food Animal Neurology, An Issue of Veterinary Clinics of North America: Food Animal Practice, E-Book Kevin E. Washburn 2017-02-13 This issue, edited by Dr. Kevin Washburn, focuses on Food Animal Neurology. Article topics include: Neurological examination of the ruminant; Diagnostics and ancillary tests of neurologic dysfunction in the ruminant; Localization of neurologic lesions in ruminants; Cerebral disorders of calves; Cerebral disorders of the adult ruminant; Cerebellar disorders of ruminants; Brain stem and cranial nerve disorders of ruminants; Spinal cord and peripheral nerve abnormalities of the ruminant; and Toxicoses of the ruminant nervous system.

Emergency Neuro-Otology: Diagnosis and Management of Acute Dizziness and Vertigo, An Issue of Neurologic Clinics David Newman-Toker 2015-08-06 The focus of this publication on Neuro-Otology in Neurologic Clinics is on the patient presenting for urgent or emergent care with a chief complaint of new, previously-undiagnosed dizziness or vertigo. Intent is to emphasize throughout the issue five primary components of initial diagnosis and management: (1) Epidemiology, differential diagnosis, and disease definitions; (2) Bedside clinical features that differentiate dangerous from benign causes; (3) Appropriate use of advanced diagnostic tests (including imaging, vestibular tests) and consultations; (4) Application of early treatments (manipulative, pharmacologic, rehabilitative); and (5) Acute disposition strategies, including determining need for admission and urgency of follow-up. Articles have a consistent architecture to highlight key points: 1) Case Scenario (with a representative case example; videos are presented with many of these); 2) Prevalence & Pathomechanisms; 3) Definitions & Diagnostic Criteria; 4) Bedside & Laboratory Diagnostic Tests; 5) Acute Treatment Options (including manipulative, pharmacologic, rehabilitative); and 6) Triage & Disposition (including referrals and follow-up). The articles are presented with four major parts: Overall approach to acute dizziness and vertigo; Episodic vertigo and dizziness; Acute, continuous vertigo and dizziness; and Case unknowns. Among the topics covered are: Bedside evaluation; Transient ischemic attacks; Vestibular neuritis and labyrinthitis; Stroke; Novel approach to diagnosing the acutely dizzy patient. David Newman-Toker leads this publication with associate editors renown in their fields - Kevin Kerber, William J. Meurer, Rodney Omron, and Jonathan Edlow.

The Cerebellum: Disorders and Treatment 2018-06-08 The Cerebellum: Disorders and Treatment, Volume 155 updates readers on the latest and clinically relevant advances in the study of cerebellar diseases in children and adults. It is organized into sections detailing: (1) Disorders (starting from the fetal cerebellum, to adult cerebellum) encountered during daily practice, and (2) Therapy (including insights

into innovative drug and rehabilitative approaches). The book's innovative structure discusses cerebellar disorders in children and adults as a continuum, with its companion volume, *The Cerebellum: From Embryology to Diagnostic Investigations* detailing embryology, anatomy, function and diagnostic investigations and neuroimaging, including conventional sequences, diffusion tensor imaging, functional MRI, and connectivity studies. Provides an in-depth understanding of the cerebellum and its involvement in a wide variety of diseases Explores long-term outcome data of pediatric cerebellar diseases and potential problems in adult life for patients with pediatric cerebellar diseases Features chapters co-authored by two experts, combining expertise in both pediatric and adult cerebellar diseases

Cerebellar Degenerations: Clinical Neurobiology Andreas Plaitakis 2012-12-06 This book encompasses basic and clinical reports on the cerebellum and its primary atrophic disorders, the cerebellar degenerations. Rapid progress has been made in understanding the organization and function of the cerebellum at the neuronal, synaptic, and molecular level. Of particular importance has been the identification of the chemical transmitters utilized by the cerebellar cellular systems. More than any other brain region, the cerebellum utilizes amino acids as its main excitatory and inhibitory neurotransmitters. Excitatory amino acid transmitters, in addition to serving neuronal communication, may also mediate trophic and toxic effects, and as such, they may play a role in neurodegenerative processes. The cerebellar degenerations were among the first human disorders with primary system atrophy to be studied clinically and pathologically. This field of clinical cerebellar sciences, no longer confined to the previously known descriptive level, is now advancing rapidly, propelled by rapid advances in neuroimaging, immunology, and molecular biology. The advent of CT, MRI, and PET has in recent years permitted the study of central nervous system alterations in living patients, thus contributing substantially to the accuracy of the diagnosis and the classification of these disorders. The nosology of cerebellar degenerations, which has been the subject of much debate for over a century, is presently a dynamic field, with new entities being recognized and old "classic ataxias" being redefined in the light of new genetic evidence.

CURRENT Diagnosis & Treatment Neurology, Second Edition John Brust 2011-10-19 A handy, practical, and management-oriented neurology sourcebook – delivering everything you need in one easy-to-carry volume *CURRENT Diagnosis & Treatment Neurology, 2e* provides busy clinicians with practical, up-to-date strategies for assessing and managing the most frequently seen neurologic conditions in adults and children. Features Consistent presentation includes Essentials of Diagnosis, Symptoms and Signs, Diagnostic Studies, Differential Diagnosis, Treatment, and Prognosis Coverage of disorders in both adults and children Practical information on common conditions such as headaches, movement disorders, and central nervous system infections Expert help with ischemic and hemorrhagic stroke, epilepsy, sleeping disorders, dizziness, hearing loss, dementia and memory loss, psychiatric problems, and more Thorough coverage of diagnostic tests More than 100 informative photos and illustrations Updated with the latest findings and developments This second edition will be valuable to anyone who sees patients with neurologic complaints, whether in primary care or the neurology clinic.

Disorders of Consciousness, An Issue of Neurologic Clinics - E-Book G. Bryan Young 2011-07-09 This issue of *Neurologic Clinics* addresses the cognitive impact of various forms of brain injury.

Oxford Textbook of Vertigo and Imbalance Adolfo Bronstein 2013-02-21 Part of the *Oxford Textbooks in Clinical Neurology (OTCN)* series, this volume provides and up-to-date summary of the scientific basis, clinical diagnosis, and management of disorders leading to dizziness and poor balance.

Neuro-Infectious Diseases, An Issue of Neurologic Clinics E-Book Russell E Bartt 2018-10-30 This issue of *Neurologic Clinics*, edited by Drs. Russell E. Bartt and Allen J. Aksamit, Jr., will focus on Neuro-Infectious Diseases. Topics include, but are not limited to, Acute Community and Nosocomial Meningitis; Viral Encephalitis and Post-infectious Autoimmunity; Spine and spinal cord infections; Chronic meningitis; Manifestations of Herpes Virus Infections in the Nervous System; HIV and Nervous System; Neuroborreliosis; Progressive Multifocal Leukoencephalopathy; Zika Virus and Neurological Disease; Neurocysticercosis; Prion Disease; and Diagnostic Testing of Neurological Infections.

Mayo Clinic Medical Neurosciences Eduardo E. Benarroch 2017-11-06 Fully updated and revised according to student feedback, the sixth edition of *Mayo Clinic Medical Neurosciences: Organized by Neurologic System and Level* provides a systematic approach to anatomy, physiology, and pathology of the nervous system inspired by the neurologist's approach to solving clinical problems. This volume has 4 sections: 1) an overview of the neurosciences necessary for understanding anatomical localization and pathophysiologic characterization of neurologic disorders; 2) an approach to localizing lesions in the 7 longitudinal systems of the nervous system; 3) an approach to localizing lesions in the 4 horizontal levels of the nervous system; and 4) a collection of clinical problems. This book provides the neuroscience framework to support the neurologist in a clinical setting and is also a great resource for neurology and psychiatry board certifications. This is the perfect guide for all medical students and neurology, psychiatry, and physical medicine residents at early stages of training. New to This Edition - A chapter devoted to multiple-choice questions for self-assessment - Discussion of emerging concepts in molecular, cellular, and system neurosciences - New chapters on emotion and consciousness systems - Incorporation of new discoveries in neuroimaging and an appendix for tables of medications commonly used to treat neurologic disorders

Cerebellar Disease, An Issue of Neurologic Clinics, Alireza Minagar 2014-11-07 This issue of the *Neurologic Clinics* is dedicated to the cerebellum and includes articles on its functional neuroanatomy and different cerebellar pathologies. Among the various reviews contained in this issue, there are two particularly unique articles devoted to the role of the cerebellum in human cognition and psychiatric diseases. Other topics include: the Cerebellum and Sleep; Toxic-Metabolic, Nutritional, and Medicinal-Induced Disorders of Cerebellum; Multiple Sclerosis and the Cerebellum; and Infections of the Cerebellum, among others.

The Pediatric Cerebellum, An Issue of Neuroimaging Clinics of North America, E-Book Thierry A. G. M. Huisman 2016-07-26 This issue of *Neuroimaging Clinics of North America* focuses on *The Pediatric Cerebellum*, and is edited by Drs. Huisman and Andrea Poretti. Articles will include: The role of the pediatric cerebellum in motor functions, neurocognition and behavior: a clinical perspective; Normal development of the cerebellum: from the fetus to the adolescent; Cerebellar malformations; Cerebellar disruptions; Metabolic disorders with cerebellar involvement; Neurocutaneous syndromes with cerebellar involvement; Vascular disorders of the cerebellum; Tumors of the cerebellum; Infectious and inflammatory diseases of the cerebellum; Cerebro-cerebellar network, and more!

Current Therapy in Neurologic Disease Richard Tidball Johnson 2006-01-01 Neurologists present their own experiences and step-by-step guidelines on the management and treatment of specific disorders affecting the nervous system. Diagnosis, epidemiology, and pathophysiology are discussed only when they affect treatment strategies and decisions. Treatment algorithms and patient resource information complement each chapter.

Essentials of Cerebellum and Cerebellar Disorders Donna L. Gruol 2023-01-04 This monograph, now in its 2nd edition with 31 new chapters and significant updates, is the first book of its kind written specifically for graduate students and clinicians. The monograph is based on the 4-volume treatise, *Handbook of the Cerebellum and Cerebellar Disorders* (Springer, 2013; 2nd edition: 2022), the definitive reference for scientists and neurologists in the field of cerebellar neurobiology and related areas. There have been fundamental advances in the basic science and clinical neurology of the cerebellum and its role in sensorimotor function and cognition. *Essentials of the Cerebellum and Cerebellar Disorders* makes this large and expanding body of knowledge readily accessible to trainees and clinicians alike. It is organized into easy to read and short chapters that are ideal for students and clinicians. The most common cerebellar disorders encountered in the clinic are covered. The editors are world leaders in the field, and the chapters are authored by an international panel of experts drawn from cerebellar laboratories and ataxia clinics throughout North America, Europe and Asia. *Essentials* provides a solid grounding in the field of cerebellar research and ataxiology from cerebellar cellular biology and circuitry to clinical practice, and it serves as a springboard to a deeper appreciation of both the principles and the complexities of cerebellar neurobiology. Clinicians are expected to have a deep appreciation of cerebellar disorders, not only in specialized ataxia clinics but also in adult and pediatric neurology, neurosurgery, psychiatry and neuropsychology practices, and in outpatient and inpatient rehabilitation settings. This book is an indispensable resource for students and practitioners navigating the evolving field of cerebellar motor and cognitive neurology. It also links to the more expansive *Handbook* for those who need to explore the topics in this monograph in greater depth.

Parkinson's Disease and Movement Disorders Charles H. Adler 2000-04-07 The field of movement disorders is relatively broad, encompassing disorders of increased movement, such as tremors, dystonia, and tics, to disorders characterized by a paucity of movement, such as Parkinson's disease. Our understanding of the pathogenic mechanisms and our treatment options are expanding at a rapid pace. This expansion ranges from the medical and surgical advances in treating Parkinson's disease to the flood of genetic abnormalities that have now been found to cause various movement disorders. Although many patients are seen by the movement disorders specialist in neurology clinics around the country, most of these patients receive their followup care from a primary care physician or "general" neurologist who must be versed in the characteristics and treatment plans of this diverse group of disorders. The major goal of *Parkinson's Disease and Movement Disorders: Diagnosis and Treatment Guidelines for the Practicing Physician* is to distill this immense amount of information and to educate the practitioner about the many facets of the movement disorders field. We believe that this book fills a large void, since most texts on movement disorders are more detailed and geared toward the specialist. We have asked the chapter authors to emphasize the clinical characteristics of each disorder, discuss the differential diagnosis and the diagnostic testing, and then outline the various treatment options, as if they were teaching during a preceptorship in their clinic.

Cerebrovascular Diseases: Controversies and Challenges, An Issue of Neurologic Clinics, William J. Powers 2015-06-03 Cerebrovascular disease results in huge health expenditures, multiple recurring physician visits, and a great number of surgical and non-surgical treatments along with research into causes and prevention. This issue addresses therapies, early therapies, diagnoses, and prevention. Topics include: Endovascular Treatment of Acute Ischemic Stroke; Acute Treatment of Blood Pressure after Ischemic Stroke and Intracerebral Hemorrhage; Diagnostic Evaluation for Non-traumatic Intracerebral Hemorrhage; Prevention of Recurrent Stroke in Patients with Patent Foramen Ovale; Management of Asymptomatic Carotid Stenosis; Stenting or Endarterectomy for Patients with Symptomatic Carotid Stenosis; The Therapeutic Value of Laboratory Testing for Hypercoagulable States in Secondary Stroke Prevention; Diagnosis and Treatment of Carotid and Vertebral Artery Dissection; Recurrent Stroke while on Anti-platelet Therapy; Anti-platelet and Anti-coagulant Therapy after Intracerebral Hemorrhage; Diagnosis and Treatment of Isolated Central Nervous System Angiitis/Vasculitis; Statins for Aneurysmal Subarachnoid Hemorrhage; Expansion of IV-tPA eligibility beyond NINDS and ECASS III criteria; and Treatment of Unruptured Arteriovenous Malformations. William J Powers MD, renowned for his clinical work with Stroke and Research in Cerebral blood flow and metabolism, and stroke treatment and prevention, leads this issue of *Neurologic Clinics*, with authors renown in the field.