

Epilepsy Case Studies Pearls For Patient Care

Although epilepsy is one of the nation's most common neurological disorders, public understanding of it is limited. Many people do not know the causes of epilepsy or what they should do if they see someone having a seizure. Epilepsy is a complex spectrum of disorders that affects an estimated 2.2 million Americans in a variety of ways, and is characterized by unpredictable seizures that differ in type, cause, and severity. Yet living with epilepsy is about much more than just seizures; the disorder is often defined in practical terms, such as challenges in school, uncertainties about social situations and employment, limitations on driving, and questions about independent living. The Institute of Medicine was asked to examine the public health dimensions of the epilepsies, focusing on public health surveillance and data collection; population and public health research; health policy, health care, and human services; and education for people with the disorder and their families, health care providers, and the public. In Epilepsy Across the Spectrum, the IOM makes recommendations ranging from the expansion of collaborative epilepsy surveillance efforts, to the coordination of public awareness efforts, to the engagement of people with epilepsy and their families in education, dissemination, and advocacy for improved care and services. Taking action across multiple dimensions will improve the lives of people with epilepsy and their families. The realistic, feasible, and action-oriented recommendations in this report can help enable short- and long-term improvements for people with epilepsy. For all epilepsy organizations and advocates, local, state, and federal agencies, researchers, health care professionals, people with epilepsy, as well as the public, Epilepsy Across the Spectrum is an essential resource.

This selection of epilepsy case studies will inform and challenge clinicians at all stages in their careers. Including both common and uncommon cases, Case Studies in Epilepsy reinforces the diagnostic skills and treatment decision-making processes necessary to treat epilepsy and other seizures confidently in pediatric and adult patients.

Causation is an aspect of epilepsy neglected in the scientific literature and in the conceptualization of epilepsy at a clinical and experimental level. It was to remedy this deficiency that this book was conceived. The book opens with a draft etiological classification that goes some way to filling the nosological void. The book is divided into four etiological categories: idiopathic, symptomatic, cryptogenic, and provoked epilepsies. Each chapter considers topics in a consistent fashion, dealing with the phenomenon of epilepsy in each etiology,

including its epidemiology, clinical features and prognosis, and any specific aspects of treatment. The book is a comprehensive reference work, a catalogue of all important causes of epilepsy, and a clinical tool for all clinicians dealing with patients who have epilepsy. It is aimed at epileptologists and neurologists and provides a distillation of knowledge in a form that is helpful in the clinical setting.

This book is a practical guide to the diagnosis and management of both common and less common neurological disorders and diseases for clinicians and trainees. Divided into sixteen sections, each chapter presents a different condition providing a step by step approach from basic knowledge, history and examination, to key aspects of clinical diagnosis, investigations, and medical and surgical treatment. A complete chapter is dedicated to the effects of diabetes on the central and peripheral nervous system, and potential complications. The text is accompanied by clinical photographs and diagrams to enhance learning. Key points Practical guide to the diagnosis and management of neurological disorders and diseases Presented in step by step approach covering both common and less common conditions Complete chapter dedicated to effects and complications of diabetes on central nervous system Includes clinical photographs and diagrams to enhance learning

A Study Guide for the Boards

Common Movement Disorders Pitfalls

Jasper's Basic Mechanisms of the Epilepsies

Pediatric Epilepsy Case Studies

Continuous Spikes and Waves During Slow Sleep

A Case Based Approach

A comprehensive, accessible synthesis of current information on epilepsy for medical trainees and physicians preparing for board certification.

This book presents a case based approach to epilepsy management in both diagnostic challenges and treatment of complex cases. Cases reflect "real life" patient scenarios that practitioners encounter with up-to-date terminology and treatment approaches. With 51 chapters, the book presents 51 unique, nuanced cases. Beginning with an initial presentation of a case history, the book opens with a basis for drawing in multiple aspects in the treatment of patients with epilepsy. Each chapter is organized into a clinical history, physical examination results, and ancillary testing to concentrate on differential diagnosis and focus on a definitive procedural approach to the final diagnosis. Subsequent information about the condition expands on the knowledge of the clinical features to a solution of common patient clinical scenarios as it affects people with epilepsy. A comprehensive successor edition, Epilepsy Case Studies is an invaluable resource to clinicians ranging from those looking for a quick review of a topic present in the table of contents, to those crossing disciplines into medical areas where seizures are a symptom of disordered or dysfunctional brain.

Eyelid myoclonia with absences is a recently described and under-recognised syndrome of idiopathic generalised epilepsy. The diagnosis may be confused with tics, attempts at self induction, and epilepsy syndromes with a better prognosis such as childhood absence epilepsy. This book summarises current knowledge on the topic; covering the underlying anatomy and physiology of the eyelids, the clinical and electro-encephalographic features and differential diagnosis in children and adults, including a discussion on the issue of self-induction of absences. The current state of knowledge on inheritance and genetics of the condition and treatment strategies are considered. Throughout, recent advances in the field are couched in an historical context, making this book a comprehensive source for all those who need to understand this syndrome whether from a research standpoint or the clinical management of affected children and adults. As such it will be of value to neurologists, epileptologists and those involved in the care and treatment of epileptic patients.

The ACMT National Case Conference (NCC) is a monthly discussion of novel or interesting cases in medical toxicology. Participation is through online webinar, and the conferences are recorded to allow for review at any time. The cases in this book are taken from recordings of NCC with edits and revisions by contributors and editors to demonstrate educational points. The majority of the case information is from the original recording and represents actual patient presentations. However, some of the details have been changed and fictional information added to enhance the educational value. This volume covers a broad range of toxicological topics, and specialty guidance is offered at the end of every case to aid non-toxicologists. The dilemmas are applicable to both academic and clinical medicine. A list of relevant questions is also provided for each case. Subjects include common toxicological problems, rare presentations of common problems, common problems with controversial treatments or difficult diagnoses, and rare problems. Case Studies in Medical Toxicology from the American College of Medical Toxicology is a detailed reference text on specific toxicological issues and also serves as a practical review for those taking board exams. As a result, this volume is an important and necessary resource for medical students, residents, and fellows, as well as primary-care physicians, intensivists, and toxicologists. Case Studies in Medical Toxicology from the American College of Medical Toxicology is a detailed reference text on specific toxicological issues and also serves as a practical review for those taking board exams. As a result, this volume is an important and necessary resource for medical students, residents, and fellows, as well as primary-care physicians, intensivists, and toxicologists. All proceeds from this book will be donated to the Medical Toxicology Foundation.

Pearls for Patient Care

PET-CT

Case Studies in Epilepsy

Medication-Resistant Epilepsy

Understanding Epilepsy

Clinical Cases & Pearls in Medicine

Sleep Medicine is a rapidly growing and changing field. Experienced sleep medicine clinicians and educators Richard B. Berry, MD and Mary H. Wagner, MD present the completely revised, third edition of Sleep Medicine Pearls featuring 150 cases that review key elements in the evaluation and management of a wide variety of sleep disorders. The cases are preceded by short fundamentals chapters that present enough basic information so that a physician new to sleep medicine

can start reading page 1 and quickly learn the essential information needed to care for patients with sleep disorders. A concise, practical format makes this an ideal resource for sleep medicine physicians in active practice, sleep fellows learning sleep medicine, and physicians studying for the sleep boards. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Zero in on the practical, "case-based" information you need to effectively interpret sleep studies (polysomnography, home sleep testing, multiple sleep latency testing), sleep logs, and actigraphy. Get clear, visual guidance with numerous figures and sleep tracings illustrating important concepts that teach the reader how to recognize important patterns needed to diagnose sleep disorders. Confer on the go with short, templated chapters—ideal for use by busy physicians. A combination of brief didactic material followed by case-based examples illustrates major points. Stay current with knowledge about the latest developments in sleep medicine by reading updated chapters using the new diagnostic criteria of the recently published International Classification of Sleep Disorder, 3rd Edition and sleep staging and respiratory event scoring using updated versions of the scoring manual of the American Academy of Sleep Medicine Manual for the Scoring of Sleep and Associated Events. Benefit from Drs. Berry and Wagner's 25+ years of clinical experience providing care for patients with sleep disorders and educational expertise from presenting lectures at local, regional and national sleep medicine courses. Dr Berry was awarded the AASM Excellence in Education Award in 2010.

Clinical Case Studies for the Family Nurse Practitioner is a key resource for advanced practice nurses and graduate students seeking to test their skills in assessing, diagnosing, and managing cases in family and primary care. Composed of more than 70 cases ranging from common to unique, the book compiles years of experience from experts in the field. It is organized chronologically, presenting cases from neonatal to geriatric care in a standard approach built on the SOAP format. This includes differential diagnosis and a series of critical thinking questions ideal for self-assessment or classroom use.

OVER ONE MILLION COPIES SOLD 'A remarkable and hopeful portrait of the endless adaptability of the human brain' Oliver Sacks 'Utterly wonderful . . . without question one of the most important books about the brain you will ever read; yet it is beautifully written, immensely approachable, and full of humanity' Iain McGilchrist MA, author of The Master and His Emissary Meet the ninety-year-old doctor who is still practicing medicine, the stroke victim who learned to move and talk again and the woman with half a brain that rewired itself to work as a whole. All these people had their lives transformed by the remarkable discovery that our brains can repair themselves through the power of positive thinking. Here bestselling author, psychiatrist and psychoanalyst Norman Doidge reveals the secrets of the cutting-edge science of 'neuroplasticity'. He introduces incredible case histories - blind people helped to see, IQs raised and memories sharpened - and tells the stories of the maverick scientists who are overturning centuries of assumptions about the brain. This inspiring book will leave you with a sense of wonder at the capabilities of the mind, and the self-healing power that lies within all of us.

The PET Imaging Science Center at the University of Southern California is recognized as one of the premier PET centers. The director, Dr. Peter Conti, is a distinguished leader in the field. He and one of his top nuclear medicine fellows, Dr.

Daniel Cham, have published one of the first PET-CT case based books. The text is heavily illustrated with original PET-CT images of both common and uncommon cancer cases. Each of the clinical applications is accompanied by a concise explanation of the history, findings, and impression of the PET-CT case. Insightful discussions and "pearls and pitfalls" are included to help physicians gain a better understanding of pathology, diagnosis, and imaging techniques. The reader also finds sections on physiology, technical artifacts, and applications for neurological and cardiovascular disorders. This unique book is ideal for nuclear medicine practitioners, nuclear medicine residents, and clinicians interested in medical imaging.

Epilepsy Case Studies

Eyelid Myoclonia with Absences

Practical Approach to Electroencephalography E-Book

Case Studies in Emergency Medicine

From Infancy and Childhood through Adolescence

Medicinal Cannabis

This manual takes a multidisciplinary approach to neurological disorders in the elderly. Comprehensive and practical, it includes the most recent diagnostic criteria and immediately accessible visual care paths including the latest pharmacologic and non-pharmacologic interventions. Covering a range of modalities, from the importance and impact of each disease to diagnostic criteria, genetics, laboratory and imaging findings, treatment and care paths, this book focuses on neurological conditions that occur commonly in older persons or which have a striking effect on their lives. The common types of dementias, Parkinson's disease and related disorders, rapidly progressive diseases, seizure disorders and multiple sclerosis are covered. Issues commonly affecting this population, such as neurobehavioral symptoms and caregiver issues, are discussed. Neuro-Geriatrics: A Clinical Manual is aimed at any physician who treats the elderly with neurological disorders: neurologists, geriatricians and geriatric psychiatrists, both specialists and general practitioners.

A practical yet comprehensive review of the underlying causes of medication-resistant epilepsy and effective forms of treatment.

This book contains a variety of medical case studies from actual patients presenting to the emergency department. It includes not only typical cases that present to the ED but also less common, yet very important cases that one can't afford to miss. Each chapter begins with a case – or set of cases with typical and atypical aspects – of the disease in question. This is followed by high-value learning points on the condition with introductory/background points, physiology and pathophysiology of the disease, how to make the diagnosis, and finally how to initiate treatment. The cases provide expert discussion with tips and tricks, personal experience with management of each of the cases, and a follow-up description of the outcome of the cases to provide the reader with closure. To supplement each case study, all 67 chapters include a pattern recognition component that identifies the key diagnostic features of the disease discussed. The chapters conclude with a summary of the diagnostic and treatment details of each condition. Using a concise, easy-to-read, bulleted format, the book helps readers to learn, evaluate, adopt new practices, right now (LEARN). Emergency Medicine Case Studies -

LEARNING Rounds: Learn, Evaluate, Adopt, Right Now is an essential resource for a variety of emergency medicine clinicians including experienced physicians, residents, physician assistants, nurse practitioners, nurses, and medical students rotating in the emergency department. Finally, this book can be used as a basis for small group discussions, especially in emergency medicine training programs.

" ""This is a very useful board review for the neurophysiology sections in several board certification examinations. Anyone preparing for these examinations should have access to these prototypical questions and the explanations of the answers. ""

--Doody's Reviews This high-yield, illustrated clinical neurophysiology board review is a comprehensive resource for assessing and refining the knowledge tested on multiple board examinations. Written by authors who are collectively board certified in all of the areas covered, the book is a valuable study tool for candidates preparing for certification or recertification in clinical neurophysiology, neuromuscular medicine, epilepsy, sleep medicine, and neurology. Using structured question formats typically encountered on boards, this comprehensive review allows users to assess their knowledge in a wide range of topics, provides rationales for correct answers, and explains why the other choices are incorrect. A unique 'Pearls' section at the end of the book allows for quick review of the most important concepts prior to exam day. Clinical Neurophysiology Board Review Q&A contains 801 questions with answers and detailed explanations. The book is divided into eight chapters covering anatomy and physiology, electronics and instrumentation, nerve conduction studies and EMG, EEG, evoked potentials and intraoperative monitoring, sleep studies, ethics and safety, and advanced topics including QEEG, MEG, TES, autonomic testing, and more. Liberal use of image-based questions illustrating the full spectrum of neurophysiologic tests and findings build interpretive skills. Questions are randomized and include both case-related questions in series and stand-alone items to familiarize candidates with the question types and formats they will find on the exam. Key Features: ? Contains 801 high-yield board-type questions covering all areas of the complex subspecialty of clinical neurophysiology ? Q&A format with answers and detailed rationales to facilitate recall of must-know information and help identify knowledge gaps for further study ? P rovides case-based questions in series to simulate full range of board question types ? I ncludes 148 state-of-the-art digital images to ensure familiarity with studies and findings that form a significant part of any certifying exam ? Contains unique 'Pearls for Passing' section for quick review of key facts "

Ambulatory EEG

Practice Pearls in Neurology

Epilepsy Across the Spectrum

Clinical Neurology of the Older Adult

The Brain That Changes Itself

A Clinical Manual

The Epilepsy Prescriber's Guide to Antiepileptic Drugs provides a practical and concise reference guide for use by all those clinicians and allied health professionals that treat or care for patients with epilepsy. In full colour throughout, this volume presents the antiepileptic

drugs (AEDs) in alphabetical order and for each AED the information is divided into eight coloured sections: general therapeutics, pharmacokinetics, interaction profile, adverse effects, dosing and use, special populations, and suggested reading. This handy pocket guide will be an excellent companion for all clinicians that treat patients with epilepsy.

H.H. Jasper, A.A. Ward, A. Pope and H.H. Merritt, chair of the Public Health Service Advisory Committee on the Epilepsies, National Institutes of Health, published the first volume on Basic Mechanisms of the Epilepsies (BME) in 1969. Their ultimate goal was to search for a "better understanding of the epilepsies and seek more rational methods of their prevention and treatment." Since then, basic and clinical researchers in epilepsy have gathered together every decade and a half with these goals in mind -- assessing where epilepsy research has been, what it has accomplished, and where it should go. In 1999, the third volume of BME was named in honor of H.H. Jasper. In line with the enormous expansion in the understanding of basic epilepsy mechanisms over the past four decades, this fourth edition of Jasper's BME is the most ambitious yet. In 90 chapters, the book considers the role of interactions between neurons, synapses, and glia in the initiation, spread and arrest of seizures. It examines mechanisms of excitability, synchronization, seizure susceptibility, and ultimately epileptogenesis. It provides a framework for expanding the epilepsy genome and understanding the complex heredity responsible for common epilepsies as it explores disease mechanisms of ion channelopathies and developmental epilepsy genes. It considers the mechanisms of conditions of epilepsy comorbidities. And, for the first time, this 4th edition describes the current efforts to translate the discoveries in epilepsy disease mechanisms into new therapeutic strategies. This book, considered the 'bible' of basic epilepsy research, is essential for the student, the clinician scientist and all research scientists who conduct laboratory-based experimental epilepsy research using cellular, brain slice and animal models, as well as for those interested in related disciplines of neuronal oscillations, network plasticity, and signaling in brain structures that include the cortex, hippocampus, and thalamus. In keeping with the 1969 goals, the book is now of practical importance to the clinical neurologist and epileptologist as the progress of research in molecular genetics and modern efforts to design antiepileptic drugs, cures and repairs in the epilepsies converge and impact clinical care.

The many powerful lessons in this case-based book convey clinical pearls on diagnostic or therapeutic issues in movement disorders. Now in its Second Edition, this text is the most up-to-date reference on the evaluation and treatment of neurologic problems in older adults. The book is organized so that clinicians can quickly look up either a patient's symptom(s) or a disease, and includes medication charts and diagnostic algorithms. Psychosocial issues such as driving and long-term care options are also addressed. This edition has more information on EMG, evoked potentials, other clinical neurophysiologic procedures, brain imaging, PET scans for dementia screening, and functional imaging in patients with cognitive changes. Updated information on new antiparkinsonian agents and paraneoplastic syndromes is also included.

Brain Arteriovenous Malformations and Arteriovenous Fistulas

The Epilepsy Prescriber's Guide to Antiepileptic Drugs

Stories of Personal Triumph from the Frontiers of Brain Science

Case-Based Learning

Mitochondrial Case Studies

Fits and Faints

The pharmacological fight against epilepsy began many centuries ago when Hippocrates discovered that the cause of epilepsy is natural, as opposed to supernatural and, as a consequence, must be treated with a natural remedy. Even though science has significantly progressed since that era, the challenge to find remedies for epilepsy is ever present. The aim of this particular volume is to offer an up-to-date review of the most recent advances in antiepileptic drug development, considered from various viewpoints: (i) general, by taking into account the size of refractory epilepsy and its related problems; (ii) experimental, by exploring the mechanisms of epileptogenesis and the possibility of influencing it through drugs, and (iii) clinical, by describing the results obtained with compounds currently at an advanced stage of testing.

Designed to provide a comprehensive but accessible introduction to epilepsy and seizure disorders, *Adult Epilepsy* provides state-of-the-art information in a concise format useful to a wide audience, from neurology residents to epilepsy fellows and practitioners. This illustrated guide to the assessment, diagnosis, and treatment of epilepsy is a valuable resource enabling clinicians to stay on top of the latest recommendations for best practice.

With contributions from leading multidisciplinary experts, this book is a comprehensive compendium on state-of-the-art management of intracranial arteriovenous malformations (AVMs) and arteriovenous fistulas (AVF). All major treatment approaches are encompassed including microsurgery, endovascular treatment, and radiosurgery. The text begins with in-depth coverage of cerebrovascular anatomy susceptible to abnormalities, followed by pathogenesis, physiology, hemodynamics, natural history, clinical presentation, and indications for treatment of AVMs and AVFs. Throughout the book, internationally renowned experts provide clinical pearls and insights based on hand-on surgical expertise, case studies, and evidence-based data. Key Highlights Diagnosis and treatment of uncommon congenital syndromes including Wyburn-Mason syndrome and Parkes-Weber syndrome; and autosomal dominant genetic disorders such as Hereditary Hemorrhagic Telangiectasia (Osler-Weber-Rendu syndrome) and Capillary malformation/arteriovenous malformation (CM-AVM) syndrome. More than 300 high quality illustrations plus videos elucidate impacted cerebrovasculature and treatment modalities. The utilization of preoperative and postoperative imaging for AVM evaluation and intraoperative imaging

for AVMs and AVFs. Surgical management of lobar AVMs, brain dural arteriovenous fistulas, cerebellar AVMs, basal ganglia, thalamic, and brainstem AVMs. Complications and controversies including hemorrhaging, inoperable malformations, pediatric cases, residual or recurrent AVMs, epilepsy, and seizures. With step-by-step tutorials and classification systems for brain AVMs and fistulas, this is a must-have guide on cerebrovascular malformations. It will benefit trainee and experienced neurosurgeons alike.

Awarded first place in the 2017 AJN Book of the Year Awards in the Medical-Surgical Nursing category. Learn how to become an exceptional caregiver in today's evolving healthcare environment! Written by a dedicated team of expert authors led by Sharon Lewis, Medical-Surgical Nursing, 10th Edition offers up-to-date coverage of the latest trends, hot topics, and clinical developments in the field. Completely revised and updated content explores patient care in various clinical settings and focuses on key topics such as patient safety, NCLEX exam preparation, evidence-based practice, and teamwork. A variety of helpful boxes and tables make it easy for you to find essential information and the accessible writing style and building-block approach make even the most complex concepts easy to grasp. Best of all — a complete collection of learning and study resources helps you learn more effectively and offers valuable, real-world preparation for clinical practice. Highly readable format offers you a strong foundation in medical-surgical nursing. Content written and reviewed by leading experts in the field ensures that information is comprehensive, current, and clinically accurate. Informatics boxes discuss how technology is used by nurses and patients in healthcare settings. Expanded coverage of evidence-based practice helps you understand how to apply the latest research to real-life patient care. Expanded Safety Alerts throughout the book highlight patient safety issues and focus on the latest National Patient Safety Goals. UNIQUE! "Levels of Care" approach explains how nursing care varies for different levels of health and illness. Bridge to NCLEX Examination review questions at the end of each chapter reinforce key content while helping you prepare for the NCLEX examination with both standard and alternate item format questions. Unfolding case studies included throughout each assessment chapter help you apply concepts and procedures to real-life patient care. Managing Care of Multiple Patients case studies at the end of each section help you apply your knowledge of various disorders and prioritize and delegate patient care. Separate chapter on genetics focuses on the practical application to nursing care of patients. Genetics in Clinical Practice boxes address key topics such as genetic testing, Alzheimer's disease, sickle cell

disease, and genetics-related ethical issues. Genetic Risk Alerts and Genetic Link headings highlight specific genetic issues related to body system assessments and disorders.

Underlying Mechanisms and Diagnosis

The Causes of Epilepsy

From the American College of Medical Toxicology

Absolute Epilepsy and EEG Rotation Review

LEARNing Rounds: Learn, Evaluate, Adopt, Right Now

Medical-Surgical Nursing - E-Book

Clinical Cases and Pearls in Medicine is a comprehensive collection of 203 clinical cases and 101 'pearls' across ten major areas of medicine, as well as miscellaneous sub-specialities. The book is divided into two sections, the first covering cases in a range of medical specialities from gastroenterology to the musculoskeletal system. Cases are covered in detail for all major systems of the human bodies including the respiratory system, cardiovascular system, nervous system and endocrine system. Every aspect of each clinical case is covered in detail, including history taking, causes, investigations and treatment, followed by a Viva Voce question section, making this book ideal for medical students. The second section lists 101 pearls in medicine, with key information highlighted in tables and blue text boxes for ease of reference. Covering an extensive range of clinical cases enhanced by over 250 colour images and illustrations, and offering invaluable pearls to students, consultants and physicians, Clinical Cases and Pearls in Medicine is an essential source of reference and revision for all medical professionals. Key Points Includes 203 clinical cases and 101 pearls in medicine Covers all major systems of the human body and many medical specialities Over 250 images and illustrations

This book critically appraises the role and value of specific diagnostic and treatment techniques for drug-resistant, MRI-negative epilepsy. The authors present the evidence and share their expertise on the diagnostic options and surgical approaches that make epilepsy surgery possible and worthwhile in this complex and challenging condition.

Mitochondrial Case Studies: Underlying Mechanisms and Diagnosis offers the science behind mitochondrial disease with a case studies approach. Since mitochondrial diseases are diverse and influenced by genetic, environmental, and social-economic factors, this publication will help students, physicians, scientists, health care students, and families recognize and accurately diagnose mitochondrial disease and learn about potential treatments. Reviews case studies as a helpful teaching tool to increase awareness and improve diagnosis Provides information on underlying mechanisms of mitochondrial disease Includes basic mitochondrial dysfunction research through patient case studies to best illustrate the entire disease process

This book collects the results of clinical experience and research, as well as the opinions of the specialists who have studied in depth several rare and complex syndromes associated with "Continuous Spikes and Waves During Slow Sleep", the Landau-

Kleffner syndrome, and related conditions. It also presents a wide-ranging collection of cases presented by the participants in the meeting, and analysed in its various clinical, electrophysiological and psycho-intellectual aspects. The purpose of the book is to provide a thorough updated on specialised knowledge about the syndromes characterised by the presence of CSWS on the EEG, to bring out the many, still unanswered -- questions, and to stimulate further interdisciplinary research to verify the validity of present hypotheses, in order to clarify which preventive and therapeutic methods can best attain the control of such syndromes.

Common and Uncommon Causes in Adults and Children

Clinical Neurophysiology Board Review Q&A

Epilepsy

Assessment and Management of Clinical Problems, Single Volume

Clinical Case Studies for the Family Nurse Practitioner

Neuro-Geriatrics

This book provides instruction for health professionals wanting to gain knowledge about the clinical aspects of cannabis medicine. How to use cannabis with real patients, not just theoretically, its pitfalls and challenges, as well as rewards, is a vastly under-covered topic. Now that some form of medical cannabis is approved in almost all US states, health care providers and patients Need to Know how to achieve maximum benefits by best use of this versatile herbal medicine. Medicinal Cannabis: Pearls for Clinical Practice introduces the scientific background of how cannabis acts medicinally, its components and how cannabis affects a specific condition. Key Features: Provides instruction for health professionals wanting to understand the clinical practice of cannabis medicine Reviews the chemistry, physiology and mechanisms of action of cannabinoids, endocannabinoids and cannabis with a focus on clinical relevance Presents information on practice management of specific patient populations, including pediatric, youth, adult, elderly and pets Features over 150 case reports with learning "Pearls" from the author's clinical practice for 35 medical conditions Discusses specifics of dosing and delivery of cannabis in detail, with strategies to promote the benefit/risk ratio About the Author Deborah Malka, MD, PhD, is a holistic physician with certification in Integrative Holistic Medicine. Prior to clinical practice, Dr. Malka completed her PhD in Human Genetics from Columbia University, and studied both natural and traditional medicine, with degrees from the University of New Mexico School of Medicine and the Santa Fe College of Natural Medicine. She has specialized in cannabis medicine for the past 15 years, treating over 30,000 patients. This book contains the most essential information needed for an epilepsy/ EEG rotation. Chapters are formatted with bullet points and feature clinical pearls. Concise and easy-to-read, this quick

reference provides neurology residents, clinical neurophysiology and epilepsy fellows, and other clinicians with the most critical information in epilepsy and EEG in a simplified, yet comprehensive format. Divided into two sections, the book first covers the diagnosis, characteristics, and treatment of epilepsy. The second section focuses on EEG placement, procedures, and patterns in various neurological disorders.

With the recent development of new technology and practices in the field of ambulatory EEG (aEEG), the time is right for a practical reference on the application of aEEG in clinical practice. This authoritative guide to prolonged EEG recording outside the hospital or clinic is a valuable resource for anyone involved in long-term EEG monitoring and interpretation. Bridging the gap between routine scalp EEG and in-patient video EEG monitoring, aEEG has evolved to provide cost-effective, high-yield, high-tech recording for evaluation of epilepsy diagnoses, nonepileptic attacks, quantification of seizures or epileptiform burden, and other issues requiring extended EEG observation for paroxysmal neurological events in any environment. Bringing together top experts from leading epilepsy centers, the book covers equipment, technical aspects of recording, instrumentation and polygraphic event monitoring, artifacts, clinical use in adult and pediatric patients, sleep recording, short-term and chronic ambulatory EEG, and reimbursement. The concluding chapter offers representative case presentations with relevant findings to further enhance the reader's understanding and implementation of key concepts. This "start to stop" survey of current applications is essential reading for a wide range of clinicians practicing in the field of clinical neurophysiology and epilepsy management, whether seasoned or in training. Key Features: Fills the void of when and how to use aEEG in evaluating patients with paroxysmal neurological events and epilepsy Incorporates aEEG into clinical management at all stages of diagnosis and treatment Contains numerous aEEG illustrations and graphics to emphasize key points Includes a chapter on common artifacts that can complicate the interpretation of an aEEG Details the evolving use of chronic intracranial aEEG and wearable devices Illustrative case studies provide pearls and reinforce best practices in aEEG monitoring

Why consult encyclopedic references when you only need the essentials? Practical Approach to Electroencephalography, by Mark H. Libenson, MD, equips you with just the right amount of guidance you need for obtaining optimal EEG results! It presents a thorough but readable guide to EEGs, explaining what to do, what not to do, what to look for, and how to interpret the results. It also goes beyond the technical aspects of performing EEGs by providing case studies of the neurologic

disorders and conditions in which EEGs are used, making this an excellent learning tool. Abundant EEG examples throughout help you to recognize normal and abnormal EEGs in all situations. Presents enough detail and answers to questions and problems encountered by the beginner and the non-expert. Uses abundant EEG examples to help you recognize normal and abnormal EEGs in all situations. Provides expert pearls from Dr. Libenson that guide you in best practices in EEG testing. Features a user-friendly writing style from a single author that makes learning easy. Examines the performance of EEGs—along with the disorders for which they're performed—for a resource that considers the patient and not just the technical aspects of EEGs. Includes discussions of various disease entities, like epilepsy, in which EEGs are used, as well as other special issues, to equip you to handle more cases.

Adult Epilepsy

Pearls for Clinical Practice

Promoting Health and Understanding

New Antiepileptic Drugs

Essentials for Trainees

Fundamentals of Sleep Medicine E-Book

The amount of information currently available on pediatric epilepsy, as with all burgeoning fields, can seem overwhelming. Pediatric Epilepsy Case Studies: From Infancy and Childhood through Adolescence reviews the recent flood of new information on the pathophysiology, genetics, and treatment of the various epilepsy syndromes and distills it into an easy-to-use guide. Edited by respected and well-known leaders in the field, the book provides brief, but thorough, descriptions of the different syndromes commonly encountered in clinical practice across the pediatric range. Grasping the complexity and nuances associated with various epileptic syndromes can be daunting. Therefore, the book begins with an introduction to the fundamentals of epilepsy. Subsequent sections include succinct case presentations and clinically relevant discussions of the more common epilepsy syndromes affecting each age group. The chapter authors describe why they chose each particular case, what they learned, and how it changed their practice. The extensive resource section provides an authoritative guide to relevant findings scattered in the literature. Research in the field of epilepsy will continue at a rapid pace, with the ultimate hope of curing many intractable epilepsy syndromes. Organized chronologically, from neonate through adolescence, this book is the culmination of a group

effort involving leading physicians and researchers whose contributions constitute a concise and practical reference for health professionals in training.

Successfully review sleep medicine whether you plan to improve your sleep medicine competency skills or prepare for the Sleep Medicine Certification Exam with this expanded review-and-test workbook that includes more than 1,400 interactive questions and answers. Now in full color throughout, *Review of Sleep Medicine, 4th Edition*, by Dr. Alon Y. Avidan, features a new, high-yield format designed to help you make the most of your study time, using figures, polysomnography tracings, EEG illustrations, sleep actigraphy and sleep diaries, tables, algorithms, and key points to explain challenging topics. Includes concise summaries of all aspects of sleep medicine clinical summaries from epidemiology, pathophysiology, clinical features, diagnostic techniques, treatment strategies and prognostic implications. Provides a library of assessment questions with comprehensive explanations to help you identify the reasoning behind each answer and think logically about the problems. Offers the expertise of a multidisciplinary global team of experts including sleep researchers, multispecialty sleep clinicians, and educators. The unique strength of this educational resource is its inclusion of all sleep subspecialties from neurology to pulmonary medicine, psychiatry, internal medicine, clinical psychology, and Registered Polysomnographic Technologists. Perfect for sleep medicine practitioners, sleep medicine fellows and trainees, allied health professionals, nurse practitioners, sleep technologists, and other health care providers as review tool, quick reference manual, and day-to-day resource on key topics in sleep medicine. Provides a highly effective review with a newly condensed, outline format that utilizes full-color tables, figures, diagrams, and charts to facilitate quick recall of information. Includes new and emerging data on the function and theories for why we sleep, quality assessment in sleep medicine, and benefits and risks of sleep-inducing medications. Contains new chapters on sleep stage scoring, sleep phylogenetic evolution and ontogeny, geriatric sleep disorders and quality measures in sleep medicine.

Sleep disorders are increasingly recognized as a major clinical problem, with significant morbidity and considerable economic importance. This compendium of case studies presents a diverse range of situations which challenge the problem-solving abilities of all those interested in sleep disorders, covering both common and unusual cases. Each case begins with a clinical history, followed by examination findings and special investigations and culminating in

diagnosis, treatment and management, with discussion of differential diagnosis where appropriate. Focusing attention on the major categories of sleep medicine, including insomnia, hypersomnias, sleep-breathing disorders, parasomnias, movement disorders, circadian dysrhythmias and the neurology of sleep, this clinical guide promotes integrative thinking and diagnostic skill. Historical and review citations, illustrations and concise real-life stories stimulate memory and facilitate learning. Written and edited by an international cadre of sleep professionals, this book will inform and challenge established specialists and provide a stimulating teaching tool for those in training.

This book is concerned with one of the major areas of misdiagnosis in medicine today. It has been estimated that as many as thirty percent of children typed as "epileptic" when presenting with loss of consciousness, falls or other paroxysmal episodes have, in fact, non-epileptic attacks. Yet because of the stigma attached to this label, and the frequent side effects of anti-epileptic drugs, it is important that the alternative etiological mechanisms be recognized. The most common of these conditions, the vagalmediated anoxic seizure or fainting fit, is so frequent that it will be encountered by anyone involved in the practice of clinical medicine in its widest sense. These seizures are discussed in depth using original data and extensively reviewing the literature. Many other less common, but nonetheless important, varieties of fits, faints and "funny turns" are self-induced by a Valsalva maneuver, and motor events ranging from day-dreaming to the effects of suffocation and brain swelling. As Jean Aicardi writes in his foreword to this volume: "Over 140 case histories...bring the flavor of real life into an exhaustive, yet highly readable account...This monograph is undoubtedly the most comprehensive source of information available about the various types of anoxic attacks, their clinical and EEG features, mechanisms and prognosis...This is a delightful book that anyone involved in clinical medicine in general and child neurology in particular will enjoy reading."

Sleep Medicine Pearls E-Book

Case Studies in Medical Toxicology

EEG Pearls

Case Studies in Sleep Neurology

Review of Sleep Medicine E-Book

Diagnosis and Treatment

Written by Richard Berry, MD, author of the popular Sleep Medicine Pearls, Fundamentals of Sleep Medicine is a concise, clinically focused

alternative to larger sleep medicine references. A recipient of the 2010 AASM Excellence in Education award, Dr. Berry is exceptionally well qualified to distill today's most essential sleep medicine know-how in a way that is fast and easy to access and apply in your practice. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Get clear guidance on applying the AASM scoring criteria. Reinforce your knowledge with more than 350 review questions. Get the answers you need quickly thanks to Dr. Berry's direct and clear writing style. Access the complete contents online at Expert Consult, including videos demonstrating parasomnias, leg kicks, and more.

This second edition by noted sleep medicine authority Richard B. Berry presents 100 cases that review key elements in the evaluation and management of patients with a wide variety of sleep disorders. Sleep disorders are among the most frequent health complaints physicians encounter: one third of adults experience occasional or persistent sleep problems. These disorders become a major health problem when they impair daytime functioning. A glossary is provided for sleep and sleep lab terminology The "pearls, " distillations of the key information for each case are always a key feature of books in the Pearls Series® All cases are real clinical cases compiled by the author, not theoretical 10 completely new cases have been added In addition to the cases, there are 22 sections presenting the Fundamentals of Sleep Medicine which better acquaint readers with the basic elements of sleep medicine All first edition cases have been substantially revised and rewritten Many new illustrations and sleep tracings have been added The glossary has been expanded and updated to reflect latest terminology

This book uses the unique vignette format of the best-selling Pearls Series to explore the basic principles of electroencephalography (EEG), as well as acquisition and interpretation of EEG findings. Real-life case studies--with physical findings, EEG readings, and clinical photos--show you how to recognize normal waking and sleep EEG readings as well as findings associated with the full range of epilepsy and seizure syndromes.

Designed to provide a comprehensive but accessible introduction to epilepsy and seizure disorders, Epilepsy, 2nd edition provides state-of-the-art information in a concise format useful to a wide audience, from neurology residents to epilepsy fellows and practitioners. This illustrated guide to the assessment, diagnosis, and treatment of epilepsy is a valuable resource enabling clinicians to stay on top of the latest recommendations for best practice.

Common and Uncommon Presentations

MRI-Negative Epilepsy

Sleep Medicine Pearls