

## Neurological Emergencies

Neurologic Emergencies, An Issue of Neurologic Clinics - E-Book  
Handbook of Equine Emergencies E-Book  
Prehospital Care of Neurologic Emergencies  
Neurological Emergencies  
Diseases of the Brain, Head and Neck, Spine 2020-2023  
Emergencies in Neuro-ophthalmology  
A Practical Approach to Neurology for the Small Animal Practitioner  
Neurological Emergencies  
Handbook of Neuroemergency Clinical Trials  
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Small Animal Neurological Emergencies  
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Emergency Neurology  
Catastrophic Neurologic Disorders in the Emergency Department  
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### Neurologic Emergencies, An Issue of Neurologic Clinics - E-Book

What Do I Do Now? Emergency Neurology is designed as a resource for clinicians at all levels of training in all fields of medicine who treat patients with urgent and emergent neurological syndromes. It uses a novel approach focusing on the "clinical impasse" that so often occurs in complex cases, and emphasizes the creative intellectual process clinicians relish. Authored by Morris Levin, along with colleagues from the Dartmouth-Hitchcock Medical Center, this volume presents 32 common urgent/emergent cases divided in to four distinct sections: (1) Diagnostic Questions (ADULT), (2) Treatment Considerations (ADULT), (3) Ethical, Neuropsychiatric and Legal issues and 4) Pediatric issues. The chapters are short and to the point, bearing in mind the increasing work demands on physicians. Thus, the approach in this book, as in the "What Do I Do Now?" series in general, is highly practical, logical and fun.

### Handbook of Equine Emergencies E-Book

Recognizing patterns of disease can be the first step to successful management of the child with a neurological problem; this is emphasized by the authors throughout the book. Their concise, precise account reflects the remarkable recent advances in pediatric neurology and related disciplines, while stressing the fundamentals of clinical examination and history

taking in reaching an accurate diagnosis. The book begins with a detailed discussion of neurological examination techniques and the basic formulation of differential diagnoses and management, using neuroradiology, electrophysiology, cerebrospinal fluids, genetic and metabolic testing. The second section of the book follows a problem-based approach, just as diseases present in the real world. It employs practical, symptom- and sign-based strategies for virtually all conditions encountered by the practitioner. The final section on neurological emergencies recognizes that such conditions present first to someone other than a pediatric neurologist. This new color handbook is illustrated throughout by a wealth of top-quality clinical photos and imaging, and is of interest to pediatric neurologists, general pediatricians, primary care physicians and emergency physicians, in training and practice.

### **Prehospital Care of Neurologic Emergencies**

Thorough revision of the most comprehensive guide to neurologic emergencies! This classic work now features evidence-based management and treatment guidelines and management algorithms along with the acclaimed symptom-oriented approach to physical exam review. The Second Edition also includes a pocket manual of differential diagnosis tables and management algorithms for quick reference.

### **Neurological Emergencies**

### **Diseases of the Brain, Head and Neck, Spine 2020-2023**

This comprehensive and up-to-date book covers the common emergencies in neurology, neurosurgery, and psychiatry. Chapters examine a variety of neurological emergencies, and offer pragmatic approaches to treatment and management. High-quality tables, figures, and algorithms supplement expertly written text, and provide readers with clear, rapid answers in an easily accessible format. Additionally, the book includes discussions on less common conditions, and incorporates specific methods for treating specific populations, such as pregnant women and transplant patients. Neurological Emergencies: A Practical Approach is a go-to reference for all medical professions working in emergency treatment settings, and will increase their ability to better care for patients with acute neurological diseases.

### **Emergencies in Neuro-ophthalmology**

The most common problems for which patients present to the Emergency Department are neurological disorders, including stroke, syncope, back pain and headache. The etiology of the patient's symptoms may be life-threatening, that is, when

headache is due to subarachnoid hemorrhage or meningitis, or life-altering, that is, when back pain or weakness is due to spinal cord compression, if not diagnosed and treated urgently. This is a comprehensive textbook of the disorders that are neurological emergencies, including their differential diagnosis, diagnosis and treatment. Designed for any practitioner who makes time-sensitive decisions, Emergency Neurology is an indispensable, one-stop resource to aid your clinical decision-making.

### **A Practical Approach to Neurology for the Small Animal Practitioner**

A comprehensive clinical reference in emergency neurology, from prehospital care to the final disposition of the patient.

### **Neurological Emergencies**

This compact handbook provides all the essential specific steps for assessment and management of emergencies in neurology. Edited by an emergency medicine physician and a neurologist, these chapters are easy to review during or after a busy shift. Focus is placed on the acute patient with both common and complex neurological presentations. Also covered are specific, diagnosis-based problems, including traumatic brain injury, stroke, and seizures. Each chapter is filled with relevant computed tomography, magnetic resonance, and vascular studies, as well as many other images, algorithms, and tables. Neurology Emergencies will prove invaluable not only to busy residents in emergency and internal medicine, family practice and neurology, but also medical students who want to excel. This reference guide will also benefit hospitalists and attendings who care for patients with acute neurological problems.

### **Handbook of Neuroemergency Clinical Trials**

This book offers a comprehensive review on the latest development in the management and the treatment of acute and life-threatening conditions. Written by leading experts in the field, this book will help the clinician to understand the clinical problems and to select the methodological and technical options that will ensure prompt and effective response and correct interpretation of the clinical findings. This book is richly illustrated and will serve as unique source of information for radiologists and other specialists including neuroradiologists, surgeons, cardiologists, angiologists and gastroenterologists.

### **Neurological Emergencies**

Covers life-threatening scenarios that a general ophthalmologist might encounter, and is designed to make the ophthalmologist make emergency triage decisions for initial evaluation and treatment of potentially vision- or life-

threatening conditions.

### **Emergency Neurology**

This second edition of Neurologic Emergencies in Infancy and Childhood is written in response to colleagues who have requested an updated version of the book because of numerous advances in child neurology and medicine in general since the first offering. The chapters were designed for easy use in emergency and general medical situations and all chapters have been revised, rewritten, or replaced. This book is organized into 21 chapters written by 31 contributors. A separate section on spinal cord disorders has greatly expanded the previous chapter on myelomeningocele and it includes a discussion on spinal cord trauma and other causes of paraplegia. A separate chapter on psychiatric emergencies possibly presenting with neurologic signs or symptoms has been added. The chapters also contain information concerning drug dosages and the use of newer agents, including antibiotics, antiepileptics and other drugs. This book will be of interest to persons dealing with studies on the management of neurologic emergencies.

### **Essential Emergency Medicine**

This compact handbook provides all the essential specific steps for assessment and management of emergencies in neurology. Edited by an emergency medicine physician and a neurologist, these chapters are easy to review during or after a busy shift. Focus is placed on the acute patient with both common and complex neurological presentations. Also covered are specific, diagnosis-based problems, including traumatic brain injury, stroke, and seizures. Each chapter is filled with relevant computed tomography, magnetic resonance, and vascular studies, as well as many other images, algorithms, and tables. Neurology Emergencies will prove invaluable not only to busy residents in emergency and internal medicine, family practice and neurology, but also medical students who want to excel. This reference guide will also benefit hospitalists and attendings who care for patients with acute neurological problems.

### **Acute Pediatric Neurology**

Neurological Emergencies presents a comprehensive guide on the initial assessment and early treatment of patients with neurological emergencies. It discusses the diagnosis, emergency investigations, and handling of coma patients. It addresses the management of focal supratentorial lesion. Some of the topics covered in the book are the diffuse neurological or systemic disturbance; emergency resuscitation; diagnosis and treatment of transtentorial herniation; diagnosis and treatment of acute viral encephalitis; raised intracranial pressure; diagnosis and treatment of non-viral infective encephalitis; viral meningitis; meningovascular syphilis; diagnosis and treatment of cerebral abscess; diagnosis

and treatment of intracranial subdural empyema; and diagnosis and treatment of cerebral venous thrombosis. The diagnosis and treatment of stroke is fully covered. An in-depth account of the difference between haemorrhage and infarction is provided. The diagnosis of subarachnoid haemorrhage is completely presented. A chapter is devoted to the prevention of more cranial bleeding.

### **Emergencies in Neurology**

Although there are several gaps in understanding the many issues related to neurological disorders, we know enough to be able to shape effective policy responses to some of the most common. This book describes and discusses the increasing public health impact of common neurological disorders such as dementia, epilepsy, headache disorders, multiple sclerosis, neuroinfections, neurological disorders associated with malnutrition, pain associated with neurological disorders, Parkinson's disease, stroke and traumatic brain injuries. It provides information and advice on public health interventions that may reduce their occurrence and consequences, and offers health professionals and planners the opportunity to assess the burden caused by these disorders. The clear message that emerges is that unless immediate action is taken globally, the neurological burden is likely to become an increasingly serious and unmanageable.

### **Simulation in Acute Neurology**

Steven W. Salyer, PhD, PA-C and fellow Emergency Medicine Physician Assistants present a quick, concise, and practical guide to commonly confronted medical emergencies. Essential Emergency Medicine is ideal for the busy PA and NP in the hospital or on site and for dedicated EMTs on the front lines for fast-access information to emergency action, diagnosis, treatment, and follow-up recommendations. Quick and Concise guide to emergency medicine Section on Toxicology Emergencies Section on Pediatric Emergencies ICD and CPT codes Over 30 new topics covered Information on required radiographs, MRIs, and CTs for each emergency Step-by-step recommendations for ordering appropriate tests and interpreting the results

### **The Neurologic Examination**

A Practical Approach to Neurology for the Small Animal Practitioner provides veterinary practitioners and students with a comprehensive guide to diagnosing and treating neurological cases in small animal practice. Covering the most important considerations for the general practitioner, the book includes chapters on clinical history taking, a 'stress-free' approach to the neurological examination, the most common neurological presentations in general practice, neurological emergencies, and more. It is easy to read, packed with practical hints and tips, and the information is presented using tables and bulleted

lists, with accompanying images and videos to illustrate the concepts. A Practical Approach to Neurology for the Small Animal Practitioner is ideal for newly qualified vets, veterinary students, and experienced vets seeking a refresher.

### **Emergencies in Neurology**

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.

### **Pediatric Neurology**

There are approximately 5,780 vets in the UK seeing horses regularly and 800 final year students per year studying equine. Equine emergencies (e.g. Musculoskeletal, Respiratory, Ophthalmic or Foal) are regular occurrences: most vets are not called out regularly enough to become specialists, but do need to know enough to treat these emergencies. The idea of this book is to be a quick practical reference guide that a vet could keep handy in such emergencies. Currently there are no other easy to use pocketbooks on this subject in the market. The existing Equine Emergencies texts are either aimed at horse owners or are too detailed to be useful in this context, very large and include uncommon equine emergencies and advanced techniques that are irrelevant to the mixed practitioner. - Suitable for all equine practitioners - Concise and practical layout and content - Accessible online downloads

### **Neurologic Emergencies**

This new book deals systematically with the assessment and treatment of small animal neurological patients in light of latest research findings and greatly improved imaging techniques. The authors first discuss step-wise neurological and systemic approaches to common emergency cases-examination, critical care and rapid assessment-based on presentin

### **Neurology Emergencies**

'Dermatological Emergencies' aims to cover aspects of situations and their management when they present in a Dermatology setup. This includes severe drug reactions, bullous disorders, erythroderma, infections, vasculitis and systemic emergencies presenting with skin signs. This book guides the reader to recognize such emergencies, helps to approach the initial phase of management, identifies the investigations, thus leading to a holistic management of the scene. Case scenarios are used in all chapters with logical flow of text, flowcharts, algorithms and representative clinical and laboratory

images for better understanding of the readers. Key Features Details all dermatological emergencies Discusses manifestation of these emergencies with unique algorithms and flowcharts Examines case scenarios for first-hand experience Consists of Do's and Don'ts for effective management of cases Uses high quality clinical images for clarity

### **Neurosurgical Emergencies**

Neurological emergencies are different?in that they appear abruptly, generally have a stormy course and necessitate a rushed and yet balanced approach. This book has been conceived and written keeping in mind the needs felt by a first-contact doctor who may be a neurology trainee, a seasoned or junior neurology consultant, a physician or an intern. Special attention has been focused on the various aspects of management of patients in the emergency department, from the point of taking a good clinical history, performing a quick and targeted clinical examination to investigating and starting treatment. Emergency management of neurological conditions can be a challenge as well as reap rich dividends if it is understood and practised with maturity, skill and energy. The nihilism associated with neurological emergencies in the past is increasingly being replaced by aggressive emergency management leading to better outcomes. This book should be an asset for all practitioners who seek answers to questions that arise while managing neurological emergencies.

### **Neurological Emergencies**

Neurological Emergencies presents a comprehensive guide on the initial assessment and early treatment of patients with neurological emergencies. It discusses the diagnosis, emergency investigations, and handling of coma patients. It addresses the management of focal supratentorial lesion. Some of the topics covered in the book are the diffuse neurological or systemic disturbance; emergency resuscitation; diagnosis and treatment of transtentorial herniation; diagnosis and treatment of acute viral encephalitis; raised intracranial pressure; diagnosis and treatment of non-viral infective encephalitis; viral meningitis; meningovascular syphilis; diagnosis and treatment of cerebral abscess; diagnosis and treatment of intracranial subdural empyema; and diagnosis and treatment of cerebral venous thrombosis. The diagnosis and treatment of stroke is fully covered. An in-depth account of the difference between haemorrhage and infarction is provided. The diagnosis of subarachnoid haemorrhage is completely presented. A chapter is devoted to the prevention of more cranial bleeding.

### **Neurological Emergencies in Clinical Practice**

Veterinary Technician's Manual for Small Animal Emergency and Critical Care, Second Edition provides an in-depth and cutting-edge, yet easy-to-navigate, reference on emergency and critical care for veterinary paraprofessionals of all skill

levels. Provides a comprehensive reference on emergency and critical care medicine for veterinary technicians of all skill levels, and veterinary assistants. *Veterinary Technician's Manual for Small Animal Emergency and Critical Care, Second Edition* provides an in-depth and cutting-edge, yet easy-to-navigate, reference on emergency and critical care for veterinary paraprofessionals of all skill levels. Written by leading veterinary technician specialists (VTS) in emergency and critical care. Completely revised and substantially updated, with new emphases on anatomy, physiology, nursing skills, and evidence based medicine. Features five new chapters covering mechanical ventilation, pain management, renal replacement therapy, nursing skills and procedures, and life as an emergency veterinary technician, including topics such as salary, compassion fatigue, and scheduling. Includes access to a companion website with chapter review questions and the images from the book for download in PowerPoint.

### **Neurological Disorders**

This practical handbook allows nurses, advanced practice nurses, physician assistants, and allied health professionals practicing in the fields of neurosurgery, neurology, and spinal care to quickly review essentials while in the work environment. It emphasizes procedural steps and critical elements in patient management, including intensive care, the neurological examination, differential diagnoses, and pain management. Written by a multidisciplinary team of experts, the handbook is expected to become a well-worn companion and essential aid to the busy practitioner.

### **Neurologic Emergencies**

Whereas most books about the neurologic examination are disease and anatomy oriented, *The Neurologic Examination: Scientific Basis for Clinical Diagnosis* focuses on a pathophysiological approach to the nervous system. The authors emphasize that the scientific interpretation of symptoms obtained from carefully taking the patient's history and noting signs found during physical examination are essential in the diagnosis of neurologic diseases, even if laboratory testing, such as electrophysiology and neuroimaging, are more widely used. This book aims to provide a bridge from the basic sciences such as anatomy, physiology, pharmacology, and molecular biology to the neurologic symptoms. Neurologic examinations provide the foundation for diagnosis, and only after a thorough and expertly executed examination can one begin to incorporate laboratory testing and treatment. *The Neurologic Examination: Scientific Basis for Clinical Diagnosis*, based on the widely successful Japanese book *Diagnosis of Neurological Diseases* (Igakushoin, Japan, second edition 2013) by Dr. Shibasaki, hopes to revitalize the use of neurologic examinations before jumping into laboratory testing. Doing so can help cut down on time, patient and physician anxiety, and unnecessary testing expenses. This book is a must-read for all practicing neurologists, residents, and medical students. Key Features Include · The chapters are arranged in order of the actual steps in a neurologic examination; · Highly illustrated with figures and tables indicative of the neurologic signs and

symptoms that may appear during the given step; and · 99 discussion boxes are inserted throughout to provide a more in-depth look at particular topics without interrupting the reading flow of the text.

### **Neurological Emergencies**

The 4th edition of "Neurological emergencies" edited by Professor Richard Hughes presents an up to date guide to the pathogenesis and management of common emergencies in neurology (acute stroke, tonic-clonic status epilepticus), neurosurgery (traumatic brain injury, raised intracranial pressure, subarachnoid haemorrhage, acute spinal cord compression) and related specialties such as medicine (medical coma), intensive care (acute neuromuscular respiratory paralysis, brain stem death), infectious diseases (cerebral infection), ophthalmology (acute visual loss) and psychiatry (delirium, acute behaviour disturbance). The volume complements a small series of related titles from the same publishers on epidemiology, investigation and management of neurological disorders. Each of the 13 chapters authored by experts in the respective fields is clearly and consistently structured, providing a detailed outline of pathogenesis as a rational basis for recommended investigations and management of specific conditions. Pathophysiological considerations are comprehensive and incorporate recent advances such as the increased understanding of the neurochemical basis of secondary brain injury and the association between specific apolipoprotein E genotypes and an increased risk of Alzheimer's disease following head trauma. Recommended diagnostic strategies are clearly outlined and advantages and limitations of specific investigations are discussed in the context of each clinical scenario. Numerous tables throughout the text (for example on investigation of stroke, delirium and neuromuscular disorders associated with respiratory paralysis) allow for easily accessible and concise reference.

### **Decompressive Craniectomy in the Management of Neurological Emergencies**

This unique text takes a comprehensive approach to the care of patients with neurologic catastrophes immediately after their entry into the emergency department. Wijdicks discusses clinical evaluations, triage, and emergency procedures in detail, and covers many other topics. For this thoroughly updated second edition, he has added eight new chapters, seven of which appear in an entirely new first section on the evaluation of presenting symptoms indicating urgency. The conversational titles of these chapters echo common requests for urgent consultation (e.g. "short of breath," "can't walk or stand," "confused and febrile"). A special feature of this section is the use of algorithms and decision trees in triage - to help the physician make a very fast and yet informed decision. The remaining two sections of the book cover the evaluation and management of evolving catastrophes in the neuraxis and catastrophic neurologic disorders due to specific causes. There is a final new chapter on forensic neurology. This practical handbook will continue to be an invaluable guide for neurologists, neurosurgeons, neuroradiologists, emergency physicians, and their residents and fellows. The third volume in the author's

trilogy on critical care neurology, it combines the images of a neuroradiology text with the practical advice of an emergency neurology manual without compromising academic rigor.

### **Neurology Emergencies**

Prehospital Care of Neurologic Emergencies is a reliable and definitive resource for emergency medical services personnel at multiple levels: physicians, paramedics, nurses and others who encounter these critically ill patients. This focused and succinct book addresses the management of a wide range of neurologic emergencies, including traumatic brain injuries, spinal cord injuries, strokes, and seizures. In these emergencies time is critical, and the simply presented, straightforward format of the patient care and management recommendations help readers to treat patients rapidly and confidently. Each chapter follows a standard format that includes an overview of each neurologic emergency, important background, key challenges, and areas requiring future investigation. This book is unlikely to be placed on your bookshelf; instead, you will keep it nearby for times when you face life-threatening neurologic emergencies. When seconds count, this book has the answers.

### **Veterinary Technician's Manual for Small Animal Emergency and Critical Care**

This new book deals systematically with the assessment and treatment of small animal neurological patients in light of latest research findings and greatly improved imaging techniques. The authors first discuss step-wise neurological and systemic approaches to common emergency cases-examination, critical care and rapid assessment-based on presentin

### **Handbook of Neurosurgery, Neurology, and Spinal Medicine for Nurses and Advanced Practice Health Professionals**

### **Small Animal Neurological Emergencies**

Neurological Emergencies in Clinical Practice discusses neurological emergencies in a stepwise fashion including stabilizing the patient, identifying the cause, and treating the underlying cause. It is useful in several settings including the emergency room, hospital in-patient service as well as the intensive care unit. Neurological Emergencies in Clinical Practice has a wide appeal and relevance to disciplines including neurology, emergency medicine, critical care medicine, internal medicine and family medicine. Medical students and residents may use this convenient, pocket-sized book to prepare for and succeed in their training examinations and it is also useful for other house staff and practicing physicians.

## **Emergency Radiology**

Successful neurosurgery and accurate localization of the intracranial pathology are inextricably entwined. The emergence and development of computerised image processing and three dimensional spatial localizers have radically improved accuracy of detection of the disease site - this text offers the first comprehensive appraisal of the entire range of surgical guidance systems currently available to the neurosurgeon. Twenty self-contained sections, written by experts at the forefront of research and development, explore modern image-guided surgery systems - covering their operation, appropriate application and effectiveness. The very latest technology is examined here including neuro-imaging fundamentals, registration techniques, intraoperative feedback opportunities."

## **Small Animal Neurological Emergencies**

Neurological Emergencies in Clinical Practice discusses neurological emergencies in a stepwise fashion including stabilizing the patient, identifying the cause, and treating the underlying cause. It is useful in several settings including the emergency room, hospital in-patient service as well as the intensive care unit. Neurological Emergencies in Clinical Practice has a wide appeal and relevance to disciplines including neurology, emergency medicine, critical care medicine, internal medicine and family medicine. Medical students and residents may use this convenient, pocket-sized book to prepare for and succeed in their training examinations and it is also useful for other house staff and practicing physicians.

## **Emergency Neurology**

This is the second edition (in two volumes) of a well-received book that reflects current practices in the management of neurological emergencies. It was written bearing in mind the needs of first-contact physicians, who may be neurology trainees, neurology consultants, or interns. Special attention has been paid to various aspects of managing patients at the emergency department, from taking a good clinical history, to completing a quick and focused clinical examination, to investigating and commencing treatment. Neurological emergencies are unique in that they appear abruptly, generally follow a volatile course, and require a prompt yet balanced response. The management of neurological emergencies has been a major challenge in the past, and today, early and aggressive approaches are generally recommended. Exploring these and other aspects, the book offers a valuable asset for all practitioners seeking answers to the questions that inevitably arise while attempting to manage such critical situations.

## **Catastrophic Neurologic Disorders in the Emergency Department**

Movement Disorder Emergencies: Diagnosis and Treatment provides a fresh and unique approach to what is already a high-profile subspecialty area in clinical neurology. The disorders covered in this volume are standard fare in the field but emphasize the urgencies and emergencies that can occur. One of the very attractive features of the field of movement disorders is that diagnosis is often based on unique visible and sometimes audible phenomenological symptoms and signs. Therefore, in this era of highly sophisticated laboratory and radiological diagnostic tools, the diagnosis of many movement disorders is still largely made in the clinic where pattern recognition is key. Crucial to astute clinical diagnosis is broad clinical experience. In short, you have to have seen one to recognize one! Patients with movement disorders nearly always present as outpatients but, as aptly recognized by Drs. Frucht and Fahn, this may include acute manifestations leading to emergency presentations, often in an emergency room setting, where they are very likely to be unrecognized and therefore poorly managed. The authors define an “emergency” movement disorder as one in which failure to promptly diagnose and treat may result in significant morbidity or mortality. However, they also stress the importance of certain “can’t miss” diagnoses such as Wilson’s disease, dopa-responsive dystonia, and Whipple’s disease in which delayed diagnosis in less emergent situations can lead to slowly evolving and often irreversible neurological damage with tragic consequences.

### **Movement Disorder Emergencies**

This open access book offers an essential overview of brain, head and neck, and spine imaging. Over the last few years, there have been considerable advances in this area, driven by both clinical and technological developments. Written by leading international experts and teachers, the chapters are disease-oriented and cover all relevant imaging modalities, with a focus on magnetic resonance imaging and computed tomography. The book also includes a synopsis of pediatric imaging. IDKD books are rewritten (not merely updated) every four years, which means they offer a comprehensive review of the state-of-the-art in imaging. The book is clearly structured and features learning objectives, abstracts, subheadings, tables and take-home points, supported by design elements to help readers navigate the text. It will particularly appeal to general radiologists, radiology residents, and interventional radiologists who want to update their diagnostic expertise, as well as clinicians from other specialties who are interested in imaging for their patient care.

### **Neurologic Emergencies in Infancy and Childhood**

This book is an unparalleled resource on neurologic emergencies. Most books on neurologic emergencies focus on treatment of a disease after it is diagnosed (such as stroke, subarachnoid hemorrhage, or meningitis). There are but a few books that focus on how to evaluate the patient with a neurologic symptom, before the diagnosis is made. This is the area that frontline providers, including emergency physicians, family physicians, primary care physicians, hospitalists, urgent care physicians, and midlevel providers struggle with. This book is written by clinicians with a clear understanding of the

needs of non-neurologists in the front lines of medicine. The editors are board-certified emergency physicians with fellowship training and expertise in neurologic emergencies. Neurologic Emergencies includes these point-of-care-friendly features: Extensive number of algorithms for distinct presenting symptoms Classic neuroimaging findings A concise bullet on what information needs to be conveyed to consultants Reference to relevant national guidelines where applicable Common chapter format to facilitate quick look-up

### **Neurological Emergencies in Clinical Practice**

Simulation in Acute Neurology is a reference on the execution of a simulation-based educational program in the management of acute neurologic emergencies. Simulation in Acute Neurology has practical value because it contains detailed descriptions of our simulation scenarios. The foundation of this book is our experience with neurosimulation—and it has been a very good one Part I provides an overview of the principles of simulation in medicine and examines the many unique opportunities simulation provides as an educational tool. Barriers to simulating neurologic emergencies are also discussed. Simulation allows a physician-in-training to be observed directly as he or she evaluates and manages acute neurologic disease. Part II is the core of the book. Fifteen acute neurologic emergencies, including complex neuroethical quandaries, are presented in detail, step by step, decision by decision, error after error. Each chapter in this section starts with an explanation of the essence of the discussed neuroemergency (THE PROBLEM BEFORE US), followed by a description of the scenario itself (THE PRESENTING CLINICAL PROBLEM), how scenarios can be adjusted to different types of learners (ADAPTING THE SCENARIO), and ends with a discussion of topics for feedback, which are generally focused around errors and pitfalls (DEBRIEFING). To show the flow of scenarios, we created two additional main headings: (THE IDEAL LEARNER) and (THE NOT-SO IDEAL LEARNER).

### **Emergency Neurology**

This book provides recommendations for evaluation and therapy in the area of acute pediatric neurology; these are presented didactically with frequent use of illustrations and algorithms. Chapters in the first part of the book discuss presenting symptoms of acute neurological conditions. The second part of the book covers major areas of acute pediatric neurology and each of these chapters has three key elements: description of presenting symptoms; recommended assessments; and recommended interventions. Acute Pediatric Neurology provides an accessible, clinically focused guide to assist physicians in the emergency ward or intensive care unit in decisions on diagnosis and therapeutic interventions in all major acute pediatric neurological diseases.

### **Dermatological Emergencies**

Handbook of Neuroemergency Clinical Trials, Second Edition, focuses on the practice of clinical trials in acute neuroscience populations, or what have been called neuroemergencies. Neuroemergencies are complex, life-threatening diseases and disorders, often with devastating consequences, including death or disability. The overall costs are staggering in terms of annual incidence and costs associated with treatment and survival, yet despite their significance as public health issues, there are few drugs and devices available for definitive treatment. The book focuses on novel therapies and the unique challenges their intended targets pose for the design and analysis of clinical trials. This volume provides neurologists, neuroscientists, and drug developers with a more complete understanding of the scientific and medical issues of relevance in designing and initiating clinical development plans for novel drugs intended for acute neuroscience populations. The editors provide the best understanding of the pitfalls associated with acute CNS drug development and the best information on how to approach and solve issues that have plagued drug development. Presents a comprehensive overview on clinical trials and drug development challenges in acute neuroscience populations Provides neurologists, neuroscientists and drug developers with a complete understanding of scientific and medical issues related to designing clinical trials Edited by leaders in the field who have designed and managed over 50 neuroemergency clinical trials

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