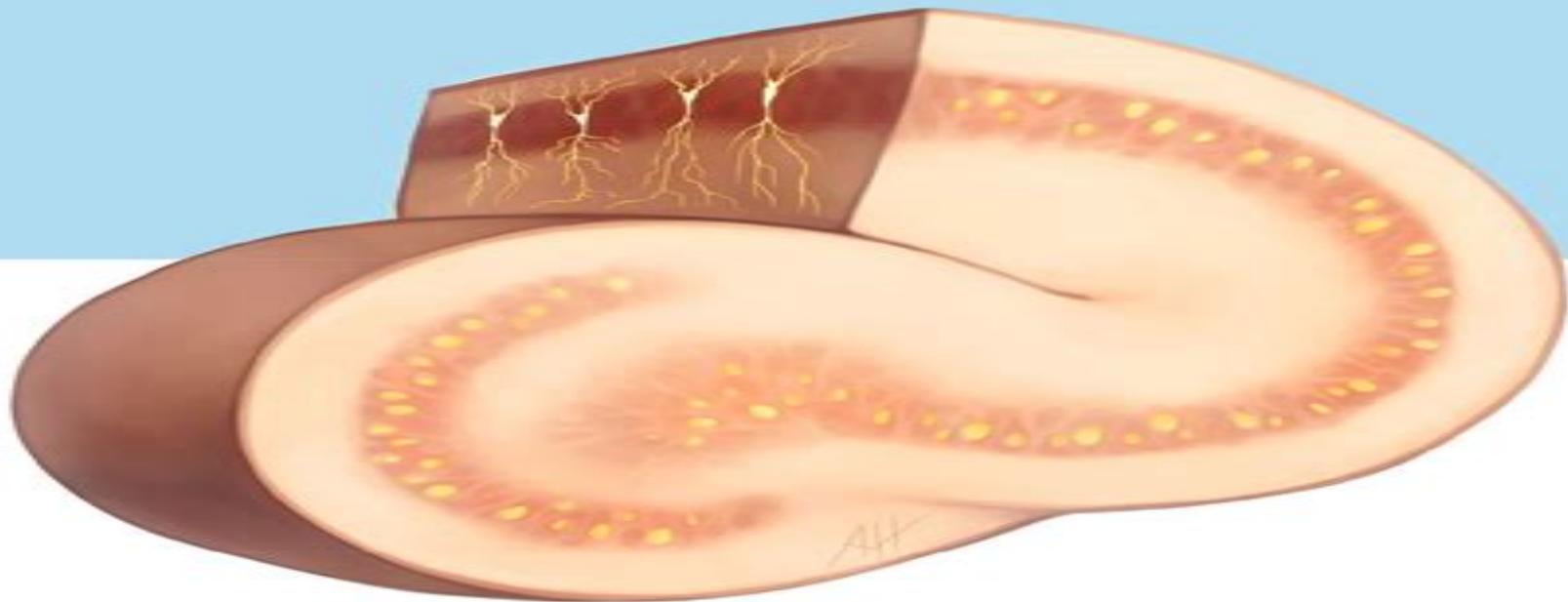


Neurosurgical Intensive Care

Javed Siddiqi

Second Edition



 Thieme

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**Peter D. Le Roux, Joshua Levine, W.
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Neurosurgical Intensive Care Javed Siddiqi, 2017-09-01 An authoritative pocket sized guide on the medical and surgical management of neurosurgical intensive care patients Decompression is still the mainstay of surgical intervention for neurosurgeons treating neurocritical care patients However during the last 20 years an evolution away from a mechanistic approach has transformed neurocritical care into an increasingly multidisciplinary field Neurosurgical Intensive Care 2nd Edition reflects this new paradigm authored by a neurosurgeon with contributions from experts in the fields of neurology vascular neurology interventional neuroradiology anesthesiology critical care traumatology nutrition and advanced practice nursing Neuromonitoring advances have enabled customized interventions tailored to each patient's unique circumstances The critical care of neurosurgical patients has evolved from an emphasis on pulmonary care ventilation and oxygenation to a more nuanced understanding of cerebral protection measures required to manage a disrupted blood brain barrier This edition encompasses advances in the use of ICP monitors external ventricular devices brain tissue oxygen monitoring devices cerebral microdialysis fluid and electrolyte correction as well as the increasing use of continuous EEG in the ICU Key Features Straightforward summaries for each stage of patient care including bedside exams neuroimaging lab work triage procedures sedation and pain management neuropharmacology nutritional needs administration of fluids and more 159 tables and figures facilitate rapid evaluation and decision making Clinical pearls on a wide range of ICU scenarios from pathophysiology and management of coma to interventions for spinal cord injury multisystem injuries acute ischemic stroke and pediatric cases Insights on how to handle family communication and spiritual needs medical legal issues and discharge planning This compact highly practical handbook provides a stellar reference for managing critically ill neurosurgical patients in the ICU It is a must have resource for nurses medical students residents fellows and attending physicians who treat these patients

Neurosurgical Intensive Care Javed Siddiqi, 2008 Features Guidance on how to manage systemic complications diseases and infections Practical review of concepts in neuropharmacology and nutrition and procedures for fluid management and ventilator management Select case examples throughout the book that supplement discussion of the decision making process Recommendations for communicating with and caring for the families of neurosurgical intensive care unit patients

Neurological and Neurosurgical Intensive Care Allan H. Ropper, 2004 The standard text and reference on neurological and neurosurgical intensive care is now in its Fourth Edition thoroughly revised to incorporate the latest therapeutic advances and insights from the most recent clinical trials A team of distinguished neuro intensivists offers practical state of the art guidelines for managing the wide range of problems arising in postoperative neurosurgical care and care of patients with acute neurological diseases This edition focuses sharply on the details of therapeutics The authors from leading neuro intensive care units have written the book collectively giving it more cohesiveness and more of an authoritative consensus voice than previous multiauthored editions

The Practice of Emergency and Critical Care Neurology Eelco

F.M. Wijdicks, 2016-04-11 Fully updated and revised the second edition of *The Practice of Emergency and Critical Care Neurology* puts a more modern approach on the practice of emergency neurological care. When most texts within the field focus on the theoretical aspects, this book concentrates on the management of neurologic conditions, recognition of deterioration of neurologic functions, neurosurgical procedures, and immediate interventions. This text also presents hard data to explain why we do what we do. Dr. Wijdicks condenses essential information into several sections comprising of the principles in recognizing critically ill neurologic patients in the emergency department, the evaluation of symptoms indicating critical emergency, general principles of managing critically ill patients, monitoring devices, and diagnostic tests, complete management of specific disorders in the neurosciences intensive care unit, postoperative neurosurgical and neurointerventional complications, management of medical complications, and end of life care. Key Features of the New Edition include: 1. Additional chapters on critical consults in surgical and medical ICUs, critical care management, and comprehensive monitoring and biomarkers to reflect new research. 2. Rich illustrations using color photos of patients and drawings of important basic concepts of mechanism of acute neurologic disease. 3. Fully updated and comprehensive reference list. 4. A pocket book of selected tables and figures covering all essential points for quick reference and as a survival guide for house staff. This is the go-to guide for every physician, staff neurologist, neurointensivist, resident, and fellow in training with managing acutely ill neurologic patients. *Intensive Care in Neurosurgery* Brian T. Andrews, 2003 Recent advances in the management of spinal cord and severe head injury, stroke, brain tumors, and intracranial infections have led to enhancements in neurosurgical intensive care. In this book, you will see those advances at work and also find valuable tips and advice on the most current treatment strategies. The text covers all important topics in neurosurgical intensive care, from stroke and nontraumatic hemorrhage to intracranial hypertension, epilepsy management, and withdrawal of life support. Plus, you'll find the latest clinical science on all topics, including how advanced bedside monitoring techniques can lead to improved patient care. **Critical Care Neurology and Neurosurgery** Jose I. Suarez, 2004-01-13 An authoritative and comprehensive review of the most important clinical issues facing critically ill neurologic and neurosurgical patients. The authors provide pertinent basic clinical diagnostic and management guidelines for all the conditions commonly encountered in the neurocritical care unit, including the management of autonomic disorders that require critical care, postoperative management, and endovascular treatment. The authors also discuss the latest developments in the monitoring of different body systems, emphasizing the management of cardiorespiratory complications and other medical conditions that may threaten the patient's life. Also detailed are the concepts of intracranial physiology and current neuromonitoring techniques, subjects whose understanding is basic to effective management of critically ill neurologic patients. Numerous tables, figures, diagrams, and radiographs simplify and explicate both the diagnostic and therapeutic processes. *Intensive Care in Neurosurgery* Brian T. Andrews, 2011-01-01 Advances in the management of head and spinal cord injury, stroke, brain tumors,

and other disorders have improved dramatically in recent years and have led to improved care in the neurosurgical intensive care unit In this must have book an expert team of authors integrate these advances into clinical practice by providing valuable tips and advice on the most current and up to date treatment strategies The text covers all important topics in neurosurgical intensive care from stroke and non traumatic hemorrhage to intracranial hypertension epilepsy management and withdrawing life support Plus you ll find analysis of the newest clinical science on all topics as well as a key discussion of how advanced bedside monitoring techniques can lead to improved patient care Key features of Intensive Care in Neurosurgery Provides the newest clinical science on such timely topics as metabolic and nutritional monitoring ventilator management and cerebrovascular and cardiovascular physiology Describes how specific techniques can reverse the abnormal physiology of disease processes Written by top neurosurgeons who are experts in intensive care Addresses controversial topics in the field including withdrawal of care and declaration of brain death Here is a valuable text for neurosurgeons neurologists and critical care specialists who treat patients in intensive care Residents entering the field will also find it an essential learning tool and board review guide Get the most current information available with the first text devoted to this topic in more than a decade A co publication of Thieme and the American Association of Neurological Surgeons

Neurological & Neurosurgical Intensive Care Allan H. Ropper, 2012-02-25 This revision the fifth contains 19 additional chapters a result of the expansion of the field of neurocritical care The most significant addition to the book is the 6 chapter section on neuromonitoring where significant scientific advances have occurred The authors plan to increase the number of tables and figures and will use diagrams to present treatment pathways

The Practice of Emergency and Critical Care Neurology Eelco F. M. Wijdicks, MD, PhD, FACP, 2010-06-22 The Practice of Emergency and Critical Care Neurology serves as the definitive authoritative reference on the care of the patient with a critical neurologic disorder at risk of deterioration and in need of immediate attention This single authored monograph is broad in scope and follows the patients from the very moment they enter the emergency department to their care in the neurosciences intensive care unit

Pediatric Neurosurgical Intensive Care Brian T. Andrews, Gregory B. Hammer, 1997 Pediatric Neurosurgical Intensive Care presents the special considerations necessary to properly manage the youngest patients in the neurosurgical intensive care unit Descriptions of ICU management of specific neurological disorders as well as a discussion on end of life decision making are included Distributed by Thieme for the American Association of Neurological Surgeons

Neurosurgical Intensive Care Brian T. Andrews, 1993 In the past decade there has been a wide growing interest in the formation of intensive care units specializing in head injuries other neurosurgical diseases Written by a distinguished collaboration of neurosurgeons anesthesiologists critical care specialists this new definitive work focuses on the highly concentrated care special needs of these critically injured patients

Neurosurgical Intensive Care and the Management of Severe Head Injuries Göran Sundbärg, 1988

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text and reference on neurological and neurosurgical intensive care is now in its Fourth Edition thoroughly revised to incorporate the latest therapeutic advances and insights from the most recent clinical trials A team of distinguished neuro intensivists offers practical state of the art guidelines for managing the wide range of problems arising in postoperative neurosurgical care and care of patients with acute neurological diseases This edition focuses sharply on the details of therapeutics The authors from leading neuro intensive care units have written the book collectively giving it more cohesiveness and more of an authoritative consensus voice than previous multiauthored editions

Intensive Care in Neurology and Neurosurgery Daniel Agustin Godoy, Gustavo Rene Piñero, 2013-03 Neuromonitoring is the tool of trade in intensive care and should incorporate cutting edge technology with patience repeated clinical observation careful identification of neuroworsening The aim of the book is to be of practical use and to assist the clinical practice of the busy physician The clinical examination belongs to the introductory section of the book and an abundance of technology with specific emphasis on the importance of intracranial pressure comes in the following parts Since the patient with an injured brain can have chances only if other organs and systems as the lungs and the acid base equilibrium etc are preserved a section of the book covers the interactions between the affected brain and other organs The way the brain reacts to different insults has common aspects as inflammatory responses edema etc but also specific features Sections five to nine summarize the most relevant pathologies from ischemic to hemorrhagic lesions trauma tumors etc and also mentions new comers as the specific problems related to the expanding field of neuroradiological interventions Finally neurointensive care does not exist without knowledgeable nurses The intracranial pressure measurement starts or unfortunately ends with a catheter well maintained and that becomes vital when the drainage of hydrocephalus is concerned Dealing with patients with severe brain damage has plenty of ethical implications up to the problems related to brain death and organ donation This book is published in two volumes

Neurointensive Care Unit Sarah E. Nelson, Paul A. Nyquist, 2020-03-18 This book offers valuable guidance to neurointensivists other neurocritical care staff and those desiring to develop a neurocritical care unit via a thorough discussion of neurological emergencies and neurocritical care unit organization This comprehensive volume begins with a review of acute neurological emergencies as managed clinically in the neurocritical care unit Topics include acute cerebrovascular neurological and neurosurgical disorders The unique aspect of this book is its description of the organization of the neurocritical care unit We focus on how other services in the hospital interact with and assist neurocritical care operations telemedicine telestroke and neurocritical care personnel and their roles A review of expected outcomes of neurocritical care conditions is also included Neurointensivists neurocritical care unit staff leadership hospital administrators and those interested in developing a neurocritical care unit will find *Neurointensive Care Unit Clinical Practice and Organization* to be an invaluable guide

Neurosurgical Anaesthesia and Intensive Care T. Victor Campkin, John Morris Turner, Jennifer Beasley, 1980

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Lee,2017-11-10 A complete board examination review for neurocritical care enhanced by more than 800 Q A The NeuroICU Board Review is a comprehensive board exam and curriculum review for the emerging specialty of neurocritical care It delivers a through overview of neurological disease states pathology pathophysiology and therapy neurosurgery and critical care medicine including medical surgical cardiac and cardiothoracic critical care along with important topics such as neuromonitoring neurosurgical emergencies neuropharmacology and neurosurgical post operative care This powerful review also includes clinical scenarios and more than 800 questions and answers with detailed answer explanations with accompanying images illustrations tables and detailed references Developed for residents and practicing physicians preparing to take certifying board exams in Neurocritical Care Surgical Critical Care and Neurological Surgery More than 800 Q A with detailed answer explanations Clinical scenarios show readers how to apply principles to real world cases

Neurological and Neurosurgical Intensive Care Allan H. Ropper,1988 *Monitoring in Neurocritical Care E-Book*
Peter D. Le Roux,Joshua Levine,W. Andrew Kofke,2013-02-01 Ideal for neurosurgeons neurologists neuroanesthesiologists and intensivists Monitoring in Neurocritical Care helps you use the latest technology to more successfully detect deteriorations in neurological status in the ICU This neurosurgery reference offers in depth coverage of state of the art management strategies and techniques so you can effectively monitor your patients and ensure the best outcomes Understand the scientific basis and rationale of particular monitoring techniques and how they can be used to assess neuro ICU patients Make optimal use of the most advanced technology including transcranial Doppler sonography transcranial color coded sonography measurements of jugular venous oxygen saturation near infrared spectroscopy brain electrical monitoring techniques and intracerebral microdialysis and techniques based on imaging Apply multimodal monitoring for a more accurate view of brain function and utilize the latest computer systems to integrate data at the bedside Access practical information on basic principles such as quality assurance ethics and ICU design Neurocritical Care John A. Kellum,2018 Neurocritical Care provides at the bedside guidance on the medical knowledge and technical skills required to care for critically ill patients with neurologic conditions Part of the Pittsburgh Critical Care Medicine series this compact volume is an ideal reference for physicians and trainees working in either a general ICU or specialty Neuro ICU unit

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