

Principles Of Neurosurgery

Textbook of Neurosurgery The Smartbook of Neurosurgery Handbook of Bleeding and Coagulation for Neurosurgery Operative Techniques in Pediatric Neurosurgery Advanced Techniques in Image-guided Brain and Spine Surgery Present Limits of Neurosurgery Journal of Neurosurgery Controversies in Neurological Surgery The Comprehensive Neurosurgery Board Preparation Book British Journal of Neurosurgery Controversies in Pediatric Neurosurgery Neurosurgical Operative Atlas: Vascular Neurosurgery Modern Aspects of Neurosurgery Second Yugoslav Congress of Neurosurgery Intraoperative Monitoring Techniques in Neurosurgery Minimally Invasive Techniques in Neurosurgery Fundamentals of Neurosurgery Clinical Brain Mapping The Massachusetts General Hospital Surgery of the Craniovertebral Junction Prakash Narain Tandon Elizabeth Ogando-Rivas Mark G. Hamilton A. Leland Albright Isabelle M. Germano I. Fusek Michael T. Lawton Paul V. Birinyi George I. Jallo R. Loch Macdonald Deutsche Gesellschaft für Neurochirurgie Christopher M. Loftus Alan Cohen Andrei Fernandes Joaquim Daniel Yoshor Frederic Augustus Washburn Nicholas C. Bambakidis

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this book has been done thinking about the most common challenging situations and questions that come during the daily activities as a resident or young neurosurgeon introducing the smartbook of neurosurgery is a concise informative useful and evidence based guide for residents young neurosurgeons and health care professionals interested in neurosurgery this book has been thought about the most common challenging situations and questions that come during the daily activities as a resident or young neurosurgeon this book contains over 2 000 questions divided into 8 chapters and these chapters include basic translational clinical and surgical scenarios the question and answer for the topics neuroanatomy neurophysiology neurological surgery neuropharmacology neuroradiology cranial

and brain surgery neuroradiology neuropathology neurology pediatric neurosurgery spine surgery peripheral nerve tips and tricks on the cranial approach intracranial tumor neurosurgery endoscopic neurosurgery acromegaly cerebrovascular surgery and cranial trauma neurosurgery are clearly defined as the smartbook of neurosurgery this book represents a resource for on the fly consults on a busy hospital day as a refresher for boards and to prepare medical students for their neurosurgical rotations or before getting into the residency

this practical handbook presents the current options and best methods for bleeding prevention and management as well as treatment strategies for deep venous thrombosis dvt and pulmonary embolism pe all of which are important yet potentially intimidating issues frequently faced by neurosurgeons the chapters in the book are designed to help readers quickly and easily locate urgently needed information or go directly to a specific topic related to patient care key features review of drugs and herbal products that affect coagulation with specific reversal strategies preoperative and intraoperative methods to prevent and manage blood loss including strategies for blood replacement recommendations for prophylaxis and treatment of dvt and pe chapters dealing with the management of nine specific neurosurgical situations including brain tumor cerebrovascular trauma spinal and pediatric with patient examples comprehensive and conveniently portable this handbook is essential for both residents and practicing neurosurgeons or ent physicians who need to master and or refresh their knowledge of the best approaches for prevention and management of bleeding and dvt in their patients nbsp

this atlas of pediatric neurosurgery describes and demonstrates the spectrum of operations to treat the major disorders including congenital malformations hydrocephalus tumors vascular and functional disorders and trauma the chapters present state of the art techniques and are written by nationally recognized authorities the text serves as a companion to principles and practice of pediatric neurosurgery

this outstanding book provides an in depth analysis of current and developing applications in a rapidly growing field a highly acclaimed team of authors share their experience with image guided technology outlining the benefits and limitations of each procedure

expand your knowledge of state of the art neurological surgery techniques this text provides insights into current trends and controversial issues regarding state of the art techniques in neurosurgery interventional neuroradiology and endovascular surgery the authors confront such questions as are unruptured aneurysms managed most effectively by neurosurgical clipping or endovascular coiling is surgery or endovascular coiling the best treatment for ruptured cerebral aneurysms of the anterior or posterior cerebral circulation in managing arteriovenous malformations and fistulas should clinicians use neurointerventional techniques or surgery or a combination of both highlights more than 240 excellent illustrations figures and radiological images reviewing key concepts detailed coverage of treatments for ischemic diseases including extracranial and intracranial atherosclerosis discussion of the organizational issues of integrating subspecialties and training subspecialists this text also offers you the opportunity to earn valuable cme credits online neurosurgeons neuroradiologists neurologists vascular surgeons and specialists will find the book s balanced coverage of critical current issues in neurosurgery an indispensable aid in making informed decisions a co publication

of thieme and the american association of neurological surgeons

the comprehensive neurosurgery board preparation book illustrated questions and answers board certification by the american board of neurological surgery is considered the gold standard for neurosurgeons practicing in the u s the abns primary examination requires many months of preparation and passing it is both a significant accomplishment and integral component in becoming board certified contributions from current neurosurgical residents and seasoned practitioners infuse this book with a well rounded perspective having been there and done that the authors incorporated what they felt was missing from board review books when they sat for the exam resulting in a bucket list study guide the review is organized by neurosurgical topic with 20 chapters equally divided among questions followed by answers starting with physiology and anatomy each chapter methodically covers core topics including radiology neurology pathology histology ophthalmology and more the authors provide brief explanations and pearls that accompany each question which provide a solid springboard for delving deeper into any given topic the easy to follow format enables residents to partake in long study sessions or tackle just a question or two in the midst of a busy day of neurosurgical service key highlights more than 1 300 questions reflect key concepts in the abns primary exam enhanced with more than 350 images most in color which reflect the computerized image rich format of the current exam a full length practice test at the end of the book mirrors the cadence and time constraints of the actual exam explanations of correct and incorrect answers facilitate learning and retaining vast amounts of material this comprehensive board review book will help neurosurgical residents of all levels prepare thoroughly for the march exam it is a one stop self assessment tool for any neurosurgeon who endeavors to attain and maintain abns certification

world renowned experts debate key topics in pediatric neurosurgery in controversies in pediatric neurosurgery leading clinicians from around the globe present concrete advice and frank commentary on alternative options for the treatment and management of specific cranial and spinal disorders each succinct easily accessible chapter addresses a different condition in a point counterpoint format that discusses the pros and cons of the various treatment options including surgical approaches and techniques this highly practical balanced coverage equips readers to make well informed choices when selecting the most appropriate treatment modality for a particular diagnosis features lessons learned at the end of each chapter in which the authors summarize the debate with multiple viewpoints and carefully considered recommendations based on published evidence and their own clinical experience incisive dialogue on twenty hot topics in the field including how to manage arachnoid cysts craniosynostosis tethered cord hydrocephalus chiari malformations epilepsy aneurysms and more clinical and personal insights from international contributors on the variability of surgical training experience and available resources in different parts of the world guidance on how to discuss treatment options and strategies to patients and their families this book is essential reading for every clinician resident or fellow who needs a firm understanding of the most controversial issues in pediatric neurosurgery to be able to make the best decision for the appropriate treatment option for patients in their care

a state of the art neurovascular surgery atlas from internationally renowned neurosurgeon r loch macdonald neurosurgical operative atlas vascular neurosurgery third edition by r loch macdonald and expert contributors reflects the latest advances in endoscopic endovascular microsurgical and bypass techniques used in the treatment of cerebrovascular disease the entire atlas has been streamlined and updated with new content including 38 videos that complement the concise step by step guidance in the text the book begins with five chapters on vascular and microsurgical instrumentation and equipment clipping versus coiling aneurysm surgery techniques the pterional approach and minimally invasive approaches disease and procedure specific chapters are organized by three sections aneurysms and subarachnoid hemorrhage vascular malformations and ischemic and other cerebrovascular disease every chapter includes salient tips on patient selection and procedural indications preoperative information and tests patient positioning operative nuances and postoperative complications key highlights nearly 300 high quality color illustrations detail impacted anatomy and procedures the latest techniques for treating a full spectrum of aneurysms such as ophthalmic segment supraclinoid internal carotid artery middle and anterior cerebral artery basilar and posterior cerebral artery and others treatment of vascular abnormalities including arteriovenous malformations superficial and brainstem cavernous malformations arteriovenous fistulae moyamoya disease and more neurosurgical residents will benefit from the firsthand knowledge shared by international masters while veteran neurosurgeons will glean invaluable insights on cutting edge endovascular techniques to enhance clinical practice

the aim of this book is to provide clinicians and medical students with basic knowledge of the most common neurosurgical disorders there is a vast array of signs and symptoms that every clinician should recognize as neurosurgical affectations allowing them to identify when to refer the patient to a neurosurgeon in this text the editors intend to bridge the gap between clinical medicine and neurosurgery making neurosurgical practice understandable to a wider medical public the book provides a smooth transition from neuroanatomy neurophysiology and neurological examination to neurosurgery focusing more on the knowledge underlying neurosurgical practice rather than on surgical technique the core of the book is composed of chapters discussing each of the most important medical conditions that deserve neurosurgical intervention providing key information on diagnosis clinical aspects disease management surgical procedures and prognosis moreover complementary discussion of the frontiers and advances in neurosurgery are also covered in this sense this book has two main goals and intended audiences first and primarily it is intended for clinicians in a wide array of non surgical medical specialties such as general practitioners neurologists pediatricians oncologists and others aiming to give an overview on important characteristics and initial management of the most prevalent disorders treated by neurosurgeons second and to a lesser degree it is intended to be used as a practical guide for medical students who are initiating their study in neurosurgical sciences fundamentals of neurosurgery a guide for clinicians and medical students intends to be a comprehensive guide for all non neurosurgeons who want to broaden their knowledge of neurosurgery

the most accessible clinically focused guide to brain mapping techniques and systems this profusely illustrated concise yet detailed sourcebook enables both neurosurgeons and neurologists to map functions to specific cognitive and sensory locations in the brain clinical brain mapping takes you step by step through the

methods and functional bases of the techniques focusing on all clinical situations that require cerebral localization for diagnosis and therapeutic management clinical brain mapping is cohesively organized into two sections techniques and systems the first section covers the full scope of methods for determining cerebral location from the classic wada test to the newest fmri and magnetoencephalography procedures in the systems section expert contributors offer key insights into the systems that are mapped with a multi modality approach covering somatomotor and somatosensory function language vision hearing and memory the book concludes with informative chapters on specific applications of mapping techniques features 350 radiologic images and eeg tracings show each brain mapping technique adding depth and clarity to chapter material multi modal approach focuses on a wide array of clinical concerns and corresponding methods including operative anatomy and structural neuroimaging functional mri and magnetoencephalography optical imaging neuropsychological testing and the wada test extraoperative brain mapping electrocorticographic spectral analysis

the original and definitive reference on surgery of the craniocervical junction now in an updated second edition the craniocervical junction with a significant range of pathologies and anatomical complexities continues to be a challenging area for surgeons this new edition of surgery of the craniocervical junction focuses on surgical decision making and technological advances in the treatment modalities for this region written and edited by senior surgeons at university hospitals case medical center in cleveland ohio and the world renowned barrow neurological institute in phoenix arizona this is a comprehensive text that spine and skull base surgeons will refer to often a content rich interactive dvd containing cadaveric dissections animations of surgical approaches and techniques and a selection of short narrated cases is included with the book key features contains new chapters on stereotactic radiosurgery endovascular surgery and endoscopic skull base techniques ensuring that surgeons stay current includes an interactive dvd with high quality compelling videos on anatomy and surgical methods providing readers with visuals to aid in interpretation of the text reflects the technological advances and innovative treatment modalities that have improved patient safety and efficacy rates for surgery involving this highly complex area covers both open and minimally invasive surgical methods enabling surgeons to hone their skills in both areas surgery of the craniocervical junction second edition is the surgical resource every spine and skull base surgeon should have on their bookshelf

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