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Principles of Neurosurgery - Setti S. Rengachary 2005 Provides a broad overview of neurosurgery to house officers in the clinical neurosciences. Covers all core areas within neurosurgery and includes numerous colour illustrations.

Neurosurgery - Robert H. Wilkins 1996


Principles of Neurological Surgery E-Book - Richard G. Ellenbogen 2017-12-13 Perfect for anyone considering or training in this challenging specialty, Principles of Neurological Surgery, 4th Edition, by Drs. Richard G. Ellenbogen, Laligam N. Sekhar, and Neil Kitchen, provides a clear, superbly illustrated introduction to all aspects of neurosurgery—from general principles to specific techniques. Thorough updates from leading authors ensure that you’ll stay abreast of the latest advances in every area of neurosurgery, including pre- and post-operative patient care, neuroradiology, pediatric neurosurgery, neurovascular surgery, trauma surgery, spine surgery, oncology, pituitary adenomas, cranial base neurosurgery, image-guided neurosurgery, treatment of pain, epilepsy surgery, and much more.

Nursing Care of the Pediatric Neurosurgery Patient - Cathy C. Cartwright 2017-04-28 xxxThis updated third edition is a detailed reference for nurses and other health care providers who care for children with neurosurgical conditions. The explanations of pathophysiology, anatomy, neurodiagnostic imaging, and treatment options for each neurosurgical diagnosis will help to clarify the rationale behind the nursing care. Descriptions of presenting symptoms, history and findings on neurological examination will help nurses understand the neurological disorder and identify problems. New chapters have been added on skull and scalp anomalies, pediatric concussion, abuse head trauma and on neuroimaging. Each chapter includes case studies, impact on families, patient and family education, and practice pearls. Staff and student nurses working in clinics, critical care units, pediatric units, operating rooms, post-anesthesia care units, emergency departments, and radiology departments will benefit from the information presented. Although this book is written for nurses, child life therapists, physical and occupational therapists, medical students and neurosurgery residents will also find it helpful. Parents of children with neurosurgical disorders will also find it a useful resource in understanding their child’s condition. Cathy C. Cartwright and Donna C. Wallace have been awarded third place in the 2017 American Journal of Nursing Book of the Year Awards in CHILD HEALTH category.
Neurovascular Surgery - Julius July 2018-09-27
This open access book presents the diagnosis, investigation and treatment of neurovascular diseases, and offers expert opinions and advice on avoiding complications in neurovascular surgery. It also covers complication management and post-operative follow-up care. The book is divided in to three parts; the first part discusses common approaches in neurovascular surgery, describing the steps, indications for and limitations of the approach, as well as the associated complications and how to avoid them. The second part addresses surgical treatment based on pathology, taking the different locations of lesions into consideration. The third part focuses on the technological developments that support neurovascular surgery, which may not be available everywhere, but have been included to help vascular surgeon understand the principles. This book is a guide for young neurosurgeons, neurosurgery residents and neurosurgery fellows, as well as for medical students and nurses who are interested in neurosurgery or are associated with this field in any way. It is also a useful teaching aid for senior neurosurgeons.

Neurosurgical Operative Atlas - Setti S. Rengachary 1999-01

Psychosurgery - Marc Lévêque 2014-02-18
Psychosurgery, or the surgical treatment of mental disorders, has enjoyed a spectacular revival over the past ten years as new brain stimulation techniques have become available. Neuromodulation offers new possibilities for the treatment of psychiatric disorders such as depression, obsessive-compulsive disorder (OCD), addiction, eating disorders and autism. This work presents the history of this unique specialty and investigates current techniques and ethical challenges. With a wealth of illustrations and detailed anatomical diagrams, it provides essential information for medical practitioners, as well as anyone else interested in the fascinating advances being made in neuroscience today. « I like the book as it provides a very nice overview of psycho- surgery in general. It is easy to understand for any (para)medical practitioner, but even specialists in the field may learn new things. They may also enjoy looking the well-known and less-known figures which illustrate the book. » Professor Bart Nuttin « Reading this book is like reading an anthology, or rather an encyclopaedia of the field of psychiatric surgery, spanning more than a century. This is a work with an unprecedented degree of erudition and knowledge, and the subject is presented in a didactic, scholar, and scientific manner, and is extensively referenced and illustrated. If only one book is to be read by anybody interested in this field, regardless of specialty, this is The Book to read. » Professor Marwan Hariz

Endoscopic Endonasal Transsphenoidal Surgery - Enrico de Divitiis 2012-12-06
Currently, surgical management provides the definitive treatment of choice for most pituitary adenomas, craniopharyngiomas and meningiomas of the sellar region. The elegant minimally invasive transnasal endoscopic approach to the sella turcica and the anterior skull base has added a new dimension of versatility to pituitary surgery and can be adapted to many lesions in the region. In this multi-author book with numerous color illustrations the main aspects of the endonasal endoscopic approach to the skull base are...
presented, starting with a clear description of the endoscopic anatomy, the panoramic view afforded by the endoscope and the development of effective instruments and adjuncts. After the diagnostic studies, the strictly surgical features are considered in detail. The standard technique is described and particular aspects are treated, including the new extended approaches to the cavernous sinus, sphen-ethmoid planum and clival regions.

**Reconstruction of Upper Cervical Spine and Craniovertebral Junction** - Petr Suchomel
2010-11-25 An illustrative manual for general spine surgeons, this text atlas covers all currently available techniques of upper cervical spine and craniovertebral junction reconstruction. All the surgical risks and benefits are discussed and compared with the outcome of more than 300 surgeries of this region. The surgical procedures are demonstrated step-by-step in instructive drawings and illustrations describing the approach, technique of implant introduction and spine reconstruction. A special focus is on realtime and virtual navigation techniques as well as potential complications and their avoidance.

**Intraoperative Mapping of Cognitive Networks** - Emmanuel Mandonnet
2021 This book aims to give the state-of-the-art of intraoperative brain function mapping for resection of brain tumors in awake conditions, and to become a reference for acquiring the fundamental expertise necessary to select the right intraoperative task at the right time of the surgery. The chapters, all focused on a specific brain function, are divided in 4 parts: sensorimotor and visuo-spatial functions, language functions, higher-order functions, and prospects. Each chapter follows the same outline, including a brief review of the current knowledge about the networks sustaining the function in healthy subjects, the description of the intraoperative tasks designed to monitor the function, a review of the literature describing the deficits in that function after surgery, and a critical appraisal of the benefit provided by intraoperative mapping of that function.

2012-04-01 This third edition is a comprehensive guide to Neurosurgery. Divided into three volumes, the textbook has been fully updated and includes 100 additional chapters covering recent advances in anatomy, physiology and differential diagnosis. With contributions from authors in the UK, USA, Canada, Middle East and South East Asia, this new edition covers a wide range of topics including history and diagnosis, spinal injuries, peripheral nerve, cranial and intracranial tumours, and vascular disorders. Packed with more than 1800 colour diagrams, illustrations and radiological images, the treatment of various neurosurgical subspecialties such as epilepsy and cerebral palsy, is also discussed.

**Principles of Posterior Fossa Surgery** - Anil Nanda
2019-04-04 The ability to operate successfully in the posterior fossa requires a thorough understanding of its neuroanatomy and physiology, accurate localization of lesions, and optimal surgical technique. Principles of Posterior Fossa Surgery provides an in-depth review of this complex surgical region, with detailed coverage of anatomy, pathology, imaging, disease-based management, and surgical approaches. Written by a team of highly respected specialists, it will be a valued reference and refresher for clinicians who perform posterior fossa surgery, as well as for trainees. Special Features: Begins with a useful framework in neuroimaging, neuropathology, and microsurgical anatomy of the posterior cranial fossa Covers a wide range of approaches and pathologies in the region, including congenital Chiari malformations, infections, trauma, aneurysms, and tumors Highlights the anatomy of common surgical approaches, with numerous radiographic and endoscopic images that aid in visualizing concepts Provides full coverage of surgical techniques, starting with basic concepts and progressing to operations on more challenging entities like petroclival meningiomas, jugular bulb tumors, acoustic neuromas, complex basilar aneurysms, and posterior circulation aneurysms Includes comprehensive sections on surgical management of pediatric posterior fossa tumors and shunt surgery for lesions Shares the insights of prominent neurosurgeons from top centers around the world, who discuss their preferred strategies for tackling this challenging area of the brain Focusing solely on the posterior fossa, this book fills an important gap for neurosurgeons, skull base specialists, and residents and fellows who are training in this
Neurological Emergencies-S.D. Shorvon
2013-10-22 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; meningo-vascular 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.

Essential Neurosurgery-Andrew H. Kaye
2009-02-12 Essential Neurosurgery provides a comprehensive introduction to neurosurgery for junior surgical trainees and medical students. The book concentrates on the principles of neurosurgical diagnosis and management of the more common central nervous system problems, including an understanding of neurology and the pathological basis of neurological disease. There is also coverage of neurosurgical techniques and postoperative patient management. This new edition brings the text fully up to date and includes many of the biological and technological advances made in the field of neurosurgery that have improved surgical possibilities and patient outcomes. Review quotations from the previous edition ‘flowing and well highlighted text keeps the reader interested in the subject’ British Journal of Neurosurgery ‘an excellent text... well organised and clearly set out’ Journal of Neurology, Neurosurgery and Psychiatry.
the blood to bacteria in the gut, and overlook the ways that the environment affects our behavior, via factors varying from subconscious sights and sounds to the weather. As a result, we alternately overestimate our capacity for free will or equate brains to inorganic machines like computers. But a brain is neither a soul nor an electrical network: it is a bodily organ, and it cannot be separated from its surroundings. Our selves aren't just inside our heads—they're spread throughout our bodies and beyond. Only once we come to terms with this can we grasp the true nature of our humanity.

Cranial Osteomyelitis-Ali Akhaddar 2016-03-23
This book is the first reference book covering exclusively all aspects of this challenging disease. It is designed to serve as a succinct appropriate resource for neurosurgeons, otorhinolaryngologists, neuroradiologists, researchers and infectious disease specialists with an interest in cranial infection. Cranial Osteomyelitis provides an in-depth review of knowledge of the management of skull osteomyelitis, with an emphasis on risk factors, causative pathogens, pathophysiology of dissemination, clinical presentations, neuroradiological findings and treatment modalities, medical and surgical. Sections on the prognosis and prevention of this illness are also included. The book will help the reader in choosing the most appropriate way to manage this challenging bone infection. In addition, it supplies clinicians and investigators with both basic and more sophisticated information and procedures relating to the complications associated with skull osteomyelitis. It also considers future areas of investigation and innovative therapeutic philosophies. The book is richly illustrated to provide readers with unparalleled access to a comprehensive collection of cranial osteomyelitis images (biological, clinical, neuroradiological, and surgical) taken directly from the author's collection and experience in the field.

Microneurosurgery of CNS Tumors-Mahmut Gazi Yaşargil 1996 Volume IVB describes surgical approaches, strategies, and management techniques for specific tumors in their typical locations, surgical outcomes and results, instruments, and laboratory training. It covers also the related disciplines neuroradiology and neuroanesthesia. The last installment in this well-known series.

Surgical Disorders of the Sacrum-James Robert Doty 1994

Minimally Invasive Spine Surgery-Burak Ozgur 2009-10-08 Minimally Invasive Spine Surgery is a beautifully illustrated atlas describing the 18 most widely accepted minimally invasive procedures in spine surgery. Written by leaders in both neurologic and orthopedic spine surgery, this book offers the most up-to-date material and the broadest perspective on the subject. Procedures range from simple to complex and cover the cervical, thoracic and lumbar regions of the spine.

Neurosurgery Fundamentals-Nitin Agarwal 2018-10-22 The quintessential guide providing a one-stop roadmap to a neurosurgical career! Neurological surgery is a complex, highly selective specialty. For medical students and residents, navigating a huge array of neurosurgical information can be overwhelming. Neurosurgery Fundamentals by Nitin Agarwal is a portable reference enabling swift assimilation of neurosurgical care essentials. The book starts with a roadmap to a career in neurosurgery. It concludes with Advice from the Masters, featuring invaluable resources and insights from prominent neurosurgeons. Comprehensive technical overviews are provided on the neurological exam, neuroanatomy, neuroradiology, neurocritical care, traumatic brain and spinal cord injury, degenerative and deformity spine, neurovascular surgery, neurosurgical oncology, pediatric neurosurgery, functional neurosurgery, stereotactic radiosurgery, neurological infectious diseases, and interdisciplinary care. Socioeconomic topics include training, licensure, credentialing, and advocacy. Key Features Fundamental diseases, tests, and operative approaches are summarized. Top Hits feature the most salient questions, aiding in retention of knowledge. High-yield resources are highlighted to augment reader identification. Neurosurgical Pearls offer advice from the masters relevant to each chapter. High-quality illustrations, photographs, and radiographs enrich understanding. Aspiring neurosurgical providers will benefit from the easy-to-digest wealth of information in this concise, yet comprehensive guide.
The Neurosurgeon’s Handbook - George Samandouras 2010-01-28 A compact, readable and highly-authoritative source of critical neurosurgical information, Neurosurgery has been produced with the participation of some of the world’s leading neurosurgeons and neuroclinicians and is based on the curriculum of British, European and North American neurosurgical training programs. The book is extensively illustrated with hundreds of figures demonstrating the imaging features of all major neurosurgical pathologies, including diagrams explaining key anatomical and surgical concepts, and images showing the features of common brain tumours. There are key references at the end of each chapter and critical commentary of neurosurgical literature is also included. The handbook concisely covers all aspects of adult and paediatric neurosurgery. It is systematically and clearly broken down into easy-to-follow sections such as introductory basic concepts, definitions, epidemiology, pathology, clinical and neuroradiological characteristics, clinical management and decision making. Additional sections on operative treatment include the key critical surgical anatomy, and clear, step-by-step descriptions of common surgical techniques. Widely accepted practice guidelines, major classification schemes and common scales are clearly presented and explained.

Essential Clinical Anesthesia - Charles Vacanti 2011-07-11 The clinical practice of anesthesia has undergone many advances in the past few years, making this the perfect time for a new state-of-the-art anesthesia textbook for practitioners and trainees. The goal of this book is to provide a modern, clinically focused textbook giving rapid access to comprehensive, succinct knowledge from experts in the field. All clinical topics of relevance to anesthesia are organized into 29 sections consisting of more than 180 chapters. The print version contains 166 chapters that cover all of the essential clinical topics, while an additional 17 chapters on subjects of interest to the more advanced practitioner can be freely accessed at www.cambridge.org/vacanti. Newer techniques such as ultrasound nerve blocks, robotic surgery and transesophageal echocardiography are included, and numerous illustrations and tables assist the reader in rapidly assimilating key information. This authoritative text is edited by distinguished Harvard Medical School faculty, with contributors from many of the leading academic anesthesiology departments in the United States and an introduction from Dr S. R. Mallampati. This book is your essential companion when preparing for board review and recertification exams and in your daily clinical practice.

Kempe’s Operative Neurosurgery - Michael Salcman 2012-12-06 This long-awaited second edition has been thoroughly updated and revised by Dr. Michael Salcman with the assistance of Edward R. Laws, MD, Roberto Heros, MD, and Volker Sonntag, MD, yet still preserves the user-friendly aspects of the original book: brevity and ease of practical application in the operating room environment.

Handbook of Neurosurgery - Mark S. Greenberg 2010-02-01 A must-have...[a] low-cost, highly portable, and extremely useful reference volume, which will undoubtedly enjoy continued longevity into the foreseeable future.--Journal of NeurosurgeryA vital resource...For rapid access to the diagnosis and management of all neurological things, there is no substitute.--The Journal of TRAUMA Injury, Infection, and Critical CareFor two decades, Handbook of Neurosurgery -- now in a fully updated seventh edition -- has been an invaluable companion for every neurosurgery resident and nurse, as well as neurologists and others involved in the care of patients with brain and spine disorders. Dr. Greenberg’s classic text covers the breadth of neurosurgery and its allied specialties and provides the latest information on anatomy and physiology, differential diagnosis, and currently accepted principles of clinical management. Renowned for its scope and accessibility, this portable, single-volume guide is packed with more than 1,300 pages of practical information, including thousands of literature citations, handy cross-references, and a thorough index.Features: New to the seventh edition: detailed coverage of blunt cervical arterial injuries; awake craniotomies; brain mapping; new grading systems for cervical and thoracolumbar fractures; radiation safety for neurosurgeons; organ donation after cardiac death; and expanded discussion of endovascular techniques Numerous updates, including information on dural arteriovenous malformations; tumors and molecular biology; and new neuromonitoring
modalities such as brain oxygen tension, cerebral microdialysis, and regional cerebral blood flow. The return of basic surgical material to acquaint readers with the operating room. A practical new feature called Booking the Case supplies helpful information about scheduling surgery and obtaining informed consent. Highly valuable section on hot topics in neurocritical care. Color highlights and full-color inserts to enhance readability. Comprehensive and conveniently compact, this book is a must-have reference for neurosurgery residents and a useful tool for anyone working in the clinical neurosciences.

Practical Handbook of Neurosurgery - Marc Sindou 2009-11-06 “Practical Handbook of Neurosurgery” invites readers to take part in a journey through the vast field of neurosurgery, in the company of internationally renowned experts. At a time when the discipline is experiencing a (detrimental) tendency to segment into various subfields and scatter in the process, it can be worthwhile to collect a number of practical lessons gleaned from experienced and leading neurosurgeons. The book also aims to present numerous important figures in the neurosurgical community, with a brief overview of the vitae and main contributions for each. We must confess that we were sad that some of the most active members were unable to participate, likely due to time constraints. We are however fortunate that the majority were able to take part. As such, though not exhaustive, the book does represent an anthology of contemporary neurosurgeons. From the preface: At the very beginning of the project, our intention was to make a “poetbook”. But month after month it became obvious that the work would be much more expansive; ultimately we produced three volumes. Nevertheless we hope that all the three volumes together will remain easily accessible and a daily companion. The pocket has to be more like a travel bag! We would like to thank all of the contributors; they have sacrificed their valuable time to deliver sound and critical views, and above all useful guidelines.

Samii’s Essentials in Neurosurgery - Ricardo Ramina 2007-10-24 Whatever you may say about Professor Samii, his take on neurosurgery cannot be ignored. In this book readers will find pieces that express the philosophy of the most well-known ‘Neurosurgical School’. International experts present Professor Samii’s teaching and philosophy in dealing with the most difficult neurosurgical pathologies as well as future developments. Basic concepts in neurosurgical sciences, modern surgical techniques and cutting-edge technology are presented in detail.

Spina Bifida - M. Memet Özek 2008-08-29 The aim of this book to promote a multidisciplinary approach to Spina Bifida, providing the three main specialists categories involved – neurosurgeon, orthopedic surgeons, and urologists – with a concise reference that explains the main clinical problems to be faced in everyday clinical practice. The book also provides the busy specialist with an updated overview of surgical approaches.

Spine and Spinal Cord Trauma - Alexander R. Vaccaro 2011-01-01 Representing the collective efforts of a multinational, multidisciplinary panel of spine and spinal cord trauma masters, this beautifully illustrated evidence-based textbook does more than provide multiple treatment options – it offers unique access to insights from recognized spine experts and a thoughtful yet practical review of the most relevant literature and clinical evidence available in the field today. Each chapter centers on pertinent questions and objective reviews of state-of-the-art procedures that guide readers from an evaluation of the evidence through practical recommendations they can easily apply to their own practices. Features: Succinct outline format – easy to read and reference. 138 detailed evidentiary tables appear throughout the text. An innovative new classification system for spine trauma developed by The Spine Trauma Study Group, composed of 50 internationally recognized spine experts. High-quality radiographs and full-color drawings and photographs complement the text. Practical recommendations for the treatment of many common spinal injuries, including odontoid fractures, central cord injuries, and thoraco-lumbar flexion distraction injuries – in-depth information on everything from intensive care to rehabilitation. Accompanying MediaCenter web content contains 15 narrated videos – over one hour of footage – of actual procedures by the authors. Spine and Spinal Cord Trauma: Evidence-Based Management is an invaluable reference for orthopaedic surgeons, neurosurgeons, residents and fellows in those specialties, and allied health professionals who care for spine injury patients.
Keyhole Concept in Neurosurgery - Axel Perneczky 1999
Written by leading experts in the field, this book offers neurosurgeons instruction in a full range of procedures based on the keyhole concept. The book uses 25 operative cases-all illustrated in precise detail-to show how keyhole techniques can be applied in a wide variety of clinical situations.

Neurosurgery Case Review: Questions and Answers - Remi Nader 2020-01-30
Neurosurgical vignettes in question and answer format provide robust prep for the ABNS oral exam! Neurosurgery Case Review: Questions and Answers, 2nd Edition by Remi Nader, Abdulrahman Sabbagh, Samer Elbabaa, Hosam Al-Jehani, Jaime Gasco, and Cristian Gagnaniello provides a robust study guide for the American Board Neurological Surgery and the Royal College of Physicians and Surgeons of Canada oral board examinations. The second edition expands on the highly successful first edition, presenting 148 cases commonly encountered by neurosurgeons in clinical practice. The cases are broadly divided into seven sections—tumor, vascular intracranial pathology, trauma, pediatric, functional, spine, and peripheral nerves. The chapters are arranged in a manner that mirrors the oral board exam. Each case includes a brief clinical scenario followed by questions on presentation, diagnosis, imaging, management, surgical detail, complications, and outcome. The presented information is backed by the latest available evidence-based references and data. Key Features: Contributions from internationally renowned neurosurgical educators Detailed answers enhance readers' knowledge and provide guidance on how to respond to questions asked in the oral board exams More than 750 high-quality images, many in full color, ensure visual understanding of key concepts Suggested readings at the end of cases offer additional study resources This is an indispensable, one-stop resource for neurosurgical residents and fellows prepping for the ABNS and Royal College oral board examinations. Neurosurgeons studying for recertification will also find this book an invaluable reference for rapid review.

Core Techniques in Operative Neurosurgery E-Book - Rahul Jandial 2019-07-31
Get step-by-step, expert guidance on fundamental procedures in neurosurgery. Core Techniques in Operative Neurosurgery, 2nd Edition, provides the tools needed to hone existing surgical skills and learn new techniques, helping you minimize risk and achieve optimal outcomes for every procedure. Led by Dr. Rahul Jandial, this concise reference offers quick access to the expertise and experience of the world’s leading authorities in the field of neurosurgery. Presents consistent, easy-to-follow chapters that cover the indications and contraindications, pitfalls, tips and tricks from the experts, and more for each procedure. Covers minimally invasive spine techniques such as Thoracic Corpectomy and Minimally Invasive Direct Lateral Transpoas Interbody Fusion. Includes new chapters on Microvascular Decompression and Brachial Plexus Injury Nerve Grafting and Transfers.

Principles of Medical Therapy in Pregnancy - Norbert Gleicher 2012-12-06
Prefaces of textbooks are generally meant to give editors an opportunity to express the rationale for the creation of yet another textbook. It is rare to find an author or editor who does not believe that his/her book fills a very specific need. This editor is no exception. With the incredible proliferation of medical textbooks in recent years, it has become difficult to find an empty niche for yet another text. Nevertheless, the editors and authors of Principles of Medical Therapy in Pregnancy have been impressed by one very clearly appreciated void: While the association of medical disorders with pregnancy is increasing in frequency as improved medical care allows more patients with medical diseases to conceive, an authoritative text covering the issue, comparable to an authoritative text in internal medicine, has been missing. With pregnancy representing a very specific disease situation different from the nonpregnant state in diagnosis, management, and course of disease—a detailed textbook addressing all these issues for both the internist and the obstetrician seemed urgently needed.

Calvarial and Dural Reconstruction - Setti S. Rengachary 1998
Calvarial and Dural Reconstruction provides the practitioner with a synthesis of the existing broad knowledge about calvarial reconstruction— all in a single volume. The book contains straightforward descriptions of the management of a variety of calvarial and dural defects, both congenital and traumatic.
Calvarial and Dural Reconstruction includes: A review of the colorful history of calvarial reconstruction. Comprehensive coverage of the newer cranioplasty materials used in calvarial procedures. Illustrations and text describing reconstruction complex procedures, including the frontal sinus fracture, the floor of the anterior cranial fossa, and posttraumatic and post-operative skull defects. In-depth discussion of various forms of synostosis, including indications, risks, and complications. (Distributed by Thieme for the American Association of Neurological Surgeons)

**Handbook of Neurosurgery** Mark S. Greenberg 1997-01-01


After an introduction to the history and etiology of spinal cord tumor treatment, the molecular biology, cytogenetics, and pathology of this group of tumors are discussed. The pathological anatomy of spinal cord tumors is described and the book focuses in depth on their diagnosis and the surgical approaches that can be used in their treatment. Microsurgery resection techniques, auxiliary treatment options, prognosis, and outcomes of spinal cord, and spinal nerve tumors are all covered in detail. Spinal Cord Tumors is aimed at neurosurgeons and may also be of interest to neurologists, neuro-oncologists, radiologists, physiatrists, pathologists, geneticists, orthopedic surgeons, physical and occupational therapists, and other interested scientists.