Operative Neurosurgical Anatomy - Fossett Operative Neurosurgical Anatomy

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 resource 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 techniques 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 principles and progressing to operations on challenging entities like petroclival meningiomas, jugular bulb tumors, acoustic neuromas, complex basal 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 anatomically challenging region. It will enrich their understanding and knowledge of the field, expand their surgical armamentarium, and help achieve the most successful clinical outcomes.

Practical Handbook of Neurosurgery

The revised and updated second edition of this comprehensive text continues to offer careful critical evaluation and authoritative advice on stroke, the most complicated disease affecting the nervous system of children and young adults. New chapters, the latest guidelines from the American Heart Association, tips for preventing misdiagnoses, and more provide you with the knowledge you need to make the best clinical and management decisions of both common and rare cerebrovascular disorders in the young population. Tightly focused, this fully referenced textbook fills the void in the literature by including detailed discussions on topics such as stroke in neonates, atherosclerotic cerebral infarction in young adults, strokes caused by migraines, stroke during pregnancy, and a myriad of others. Up-to-date tables containing rich troves of data along with the careful selection of multiple references further enhances your acumen. Offers practical, clinical guidance on stroke and stroke related issues, such as atherosclerotic cerebral infarction, non-atherosclerotic cerebral vasculopathies, cardiac disorders, and disorders of hemostasis to broaden your knowledge base. Includes an overview of stroke types, risk factors, prognosis, and diagnostic strategies in neonates, children, and young adults to help you better manage every condition you see. Discusses the diverse etiologies of stroke in children and young adults to increase awareness in the differences of presenting signs between children and adults. Features new chapters on Applied Anatomy, Pediatric CNS Vascular Malformation, and Vascular Disorders of the Spinal Cord to keep you on the cusp of this challenging and burgeoning field. Presents data from the latest American Heart Association guidelines for stroke in children and young adults/coauthored by Dr. Biller/to help you make better informed evaluation and management decisions. Provides tips on how to prevent misdiagnosis. Offers the latest knowledge on therapy and rehabilitation to help you choose the best treatment options. Includes more images to enhance visual guidance.

Netter's Correlative Imaging: Neuroanatomy E-Book

Schmidek and Sweet has been an indispensable reference for neurosurgery training and practice for nearly 50 years, and the 7th Edition of Operative Neurosurgical Techniques continues this tradition of excellence. A new editorial board led by editor-in-chief Dr. Alfredo Quinones-Hinojosa, along with more than 330 internationally acclaimed contributors, ensures that readers stay fully up to date with rapid changes in the field. New chapters, surgical videos, and quick-reference features throughout make this edition a must-have resource for expert procedural guidance for today's practitioners. Discusses indications, operative techniques, complications, and results for nearly every routine and specialized procedure for brain, spinal, and peripheral nerve problems in adult patients. Covers the latest techniques and knowledge in deep brain stimulation for epilepsy, movement disorders, dystonia, and psychiatric disorders; surgical management of blast injuries; invasive electrophysiology in functional neurosurgery; and interventional management of cerebral aneurysms and arterio-venous malformations. Includes new chapters on bypass techniques in vascular disease, previously coiled aneurysms, CSF diversion procedures, surgical management of posterior fossa cystic and membranous obstruction, laser-ablation techniques, and brain stem tumors. Explores hot topics such as wide-awake surgery and ventriculoperitoneal, ventriculocisternal and ventriculo-pleural shunts. Provides detailed visual guidance with more than 1,600 full-color illustrations and 50 procedural videos. Contains quick-reference boxes with surgical pearls and complications.
Read Online Operative Neurosurgical Anatomy

Fossett Operative Neurosurgical Anatomy

Stroke in Children and Young Adults E-Book

Professor Dolenz edited the first comprehensive and up-to-date text dealing with the cavernous sinus. His book addressed anyone concerned with the diagnosis and treatment of lesions of the skull base. Now, twenty years later, the same author edits a new volume with articles by specialists in the topic presenting the state-of-the-art in this technology.

Fundamentals of Cognition

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 vitea and main contributions for each. We must confess that we were so desolate 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.

Medical Education in the United States and Canada

This book presents neurosurgical anatomy by detailing approaches on cadavers in the same position patients would be placed in during a real operative procedure. Anatomy is described in: all commonly used cranial and cranial base approaches anterior, posterior, anterolateral and posterolateral approaches to all segments of the spine all commonly performed procedures on peripheral nerves endoscopic approaches to cranial and spinal neurosurgery Stresses the understanding of the anatomy rather than the performance of the procedure.

Neuroradiology Signs

2010 Benjamin Franklin Silver Award Winner/Praise for this book: Superbly written! Each anatomic structure is discussed in detail, yet the language is concise and not overwhelming. Accompanied by impressive color illustrations that are extensive and original! The perfect resource. -- AANS (American Association of Neurological Surgeons). Young Neurosurgeons' Newsletter/ Anatomic Basis of Neurologic Diagnosis is a lavishly illustrated book that places special emphasis on the paramount importance of signs and symptoms for the accurate diagnosis of neurologic disorders. It opens with a comprehensive review of neuroembryology, enabling readers to gain knowledge of normal nervous system development and related developmental disorders. The second section of the book comprises an easily accessible presentation of the anatomy of regional parts and to-the-point information on the cardinal manifestations of disease. Separate chapters in the third section of the book present the anatomy of different functional systems and provide practical approaches to diagnosing patients with system disorders. A final chapter covers the anatomy of the vascular system and cerebrospinal fluid. Highlights: Practical organization of chapters, according to regions and functional systems, reflects the clinician's approach to patient care. Full-color illustrations provide an indispensable visual aid to learning and reviewing clinically relevant neurologic anatomy and pathways. Numerous tables summarize key points ideal for reading cover-to-cover, this book is essential for residents and students seeking to fully understand the complexity of clinical neuroanatomy. Seasoned clinicians will find the book a valuable refresher.

Neuroanatomy

The Handbook of Adult Language Disorders is the essential guide to the scientific and clinical tenets of aphasia study and treatment. It focuses on how language breaks down after focal brain damage, what patterns of impairment reveal about normal language, and how recovery can be optimally facilitated. It is unique in that it reviews studies from the major disciplines in which aphasia research is conducted: cognitive neuropsychology, linguistics, neurology, neuroimaging, and speech-language pathology as they apply to each topic of language. For each language domain, there are chapters devoted to theory and models of the language task, the neural basis of the language task (focusing on recent neuroimaging studies) and clinical diagnosis and treatment of impairments in that domain. In addition, there is broad coverage of approaches to investigation and treatment from leading experts, with several authors specializing in two or more disciplines. This second edition focuses on characterizing the cognitive and neural processes that account for each variant of aphasia as a first step toward developing effective rehabilitation, given that aphasia is one of the most common and disabling consequences of stroke. The best and most authoritative handbook in the field, The Handbook of Adult Language Disorders is the definitive reference for clinicians and researchers working in the scientific investigation of aphasia.

Operative Neurosurgical Anatomy

During the last decade the endoscopic endonasal approach (EEA) to the skull base has become a very powerful method to add to the array of neurosurgical technologies. This volume provides a broad overview of the role of transnasal approaches in a wide spectrum of skull base diseases.

During the last decade the endoscopic endonasal approach (EEA) to the skull base has become a very powerful method to add to the array of neurosurgical technologies. This volume provides a broad overview of the role of transnasal approaches in a wide spectrum of skull base diseases. It starts with a historical perspective of the evolution from the microscope to the endoscope in endonasal surgery and then explores in depth the principles and techniques of the various methods. Discussed are topics based on anatomical boundaries: pituitary fossa to the suprasellar space to the cavernous sinus, clivus and the anterior cranial fossa. Access to the infratemporal and posterior fossae via both the endoscopic endonasal and the retrosigmoid approaches are reviewed. In addition, the critical topic of reconstruction following 'minimally invasive' skull base surgery and finally the learning curve and complications associated with the applications of these new and exciting approaches are discussed. This volume will provide the latest knowledge to help neurosurgeons, otolaryngologists, head and neck surgeons as well as craniofacial surgeons understand the applications and practice of this important technique.

Journal of the American Medical Association

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.

Cavernous Sinus

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
Neuroanatomy

Are you a urologist, trainee, or medical student managing patients with conditions like BPH, urinary stones or priapism? Do you require a rapid-reference guide to clinical management? If so, this full colour, practical handbook is the ideal resource, providing rapid-access information on the clinical management of all major urologic disorders and problems likely to be encountered daily. With a strong emphasis on user-friendliness and point-of-care accessibility, sections are divided according to the major areas of urology, with each chapter containing the following features: i) case histories ii) multiple choice questions iii) key points box iv) key weblinks box v) common errors in diagnosis/treatment boxes. An experienced contributor team outlines the skills required to provide appropriate assessment and management of patients; in particular identifying the correct diagnostic and management options for each disorder, and how to perform basic urological procedures safely and effectively. Information corresponds to relevant American Urological Association (AUA) and European Association of Urology (EAU) guidelines for clinical management. Perfect for quick browsing prior to performing a consultation, preparing for ward rounds, or when brushing up for the Boards, Handbook of Urology is the ideal quick-stop manual for urologists of all levels involved in day to day management of patients.

Clinical Endocrinology of Dogs and Cats

Volume I/V 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.

Operative Cranial Neurosurgical Anatomy

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 neurologists 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 tumors. There are key references at the end of each chapter and critical commentary of neurological 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.


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.

Sobotta Atlas of Human Anatomy

The manga universe is diverse—full of cute chibis, soulful romantics, cunning villains and sassy schoolgirls. Whether you want to tell love stories, create fantasy worlds or explore the drama of everyday life, you can do it with the help of self-taught manga artist and YouTube celebrity Sophie-Chan.

Anatomic Basis of Neurologic Diagnosis

The decision of Harvey Cushing to leave general surgery and concentrate on the infant field of central nervous system surgery was in retrospect a landmark in the history of neurosurgery. His concentrated work, and also that of his colleague Walter Dandy, originated with the desires of both pioneers to understand surgical anatomy and neurophysiology. The fundamental knowledge and surgical techniques that they provided became the standard of excellence for several generations of neurosurgeons; so much so that the general belief was that the surgical techniques could not be improved upon. Twenty-five to thirty years ago microtechniques began to appear in a few surgical research centers, they were then gradually applied to clinical neurosurgery and have contributed to a new level of understanding in surgical anatomy and neurophysiology. We are now fortunate to have a new standard of morbidity and mortality in the surgical treatment of intrathecal aneurysms, angiomas, and tumors. It has been said that microneurosurgery was reaching its limits, especially when treating lesions in and around the cavernous sinus and skull base; those lesions notorious for involvement of the dural and extradural compartments, with a tendency to infiltrate adjacent nerves and blood vessels. The dangers of uncontrollable hemorrhage from the basal sinuses and post-operative CSF rhinorrhea appeared unsurmountable. The lateral aspects of the petro-clival region have been of interest to a few pioneering ENT surgeons and neurosurgeons but the cavernous sinus in most respects has remained the final unconquered summit.

The Neurosurgeon's Handbook

Kidney Cancer

This is a reproduction of a book published before 1923. This book may have occasional imperfections such as missing or blurred pages, poor pictures, errant marks, etc. that were either part of the original artifact, or were introduced by the scanning process. We believe this work is culturally important, and despite the imperfections, have elected to bring it back into print as part of our continuing commitment to the preservation of printed works worldwide. We appreciate your understanding of the imperfections in the preservation process, and hope you enjoy this valuable book.

Microneurosurgery of CNS Tumors

Sobotta - Atlas of Human Anatomy The perfect coach for exam preparation This English-language Sobotta Atlas with English nomenclature is specially adapted to the needs of preclinical medical students. The new study concept simplifies learning: Descriptive legends help the student identify the most important features in the figures. Clinical examples present anatomical details in a wider context. All illustrations have been optimized, and the lettering reduced to a minimum. An additional booklet containing 100 tables on muscles and nerves supports systematic study.

Comprehensive Management of Skull Base Tumors

Handbook of Cerebrovascular Disease and Neurointerventional Technique

Wherever, whenever, or however you need it, unmatched procedural guidance is at your fingertips with the new edition of Schmidek & Sweet: Operative Neurosurgical Techniques! Completely revised under the auspices of new editor-in-chief Dr. Alfredo Quiñones-Hinojosa, this comprehensive medical reference examines indications, operative techniques, complications, and results for nearly every neurosurgical procedure. Full-color illustrations, 21 new chapters, internationally-acclaimed contributors, surgical videos, and online access make it a "must have" for today's practitioner. Hone your skills for virtually every routine and specialized procedure for brain, spinal, and peripheral nerve problems in adult patients. Review clinical information on image-guided technologies and infections. Easily understand and apply techniques with guidance from more than 1,600 full-color illustrations. Rely on the knowledge and experience of new editor-in-chief Dr. Alfredo Quiñones-Hinojosa and leading international authorities, who offer multiple perspectives on neurosurgical challenges, from tried-and-true methods to the most current techniques. See exactly how to proceed with online surgical videos that guide you through each technique and procedure to ensure the best possible outcomes and results. Apply the latest techniques and knowledge in deep brain stimulation for epilepsy, movement disorders, dystonia, and psychiatric disorders; surgical management of brain injuries; invasive electrophysiology in functional neurosurgery; and interventional management of cerebral aneurysms and arterio-venous malformations. Take it with you anywhere! Access the full text, downloadable image library, video clips, and more at www.expertconsult.com. With 337 additional expert contributors. Get procedural guidance on the latest neurosurgical operative techniques from Schmidek & Sweet on your shelf, laptop and mobile device.

Manga Workshop Characters

Neuroanatomy: Draw It to Know It. Second Edition teaches neuroanatomy in a purely kinesthetic way. In using this book, the reader draws each neuroanatomical pathway and structure, and in the process, creates memorable and reproducible schematics for the various learning points in Neuroanatomy in a hands-on, enjoyable and highly effective manner. In addition to this unique method, Neuroanatomy: Draw it to Know It also provides a remarkable repository of reference materials, including numerous anatomic and radiographic brain images, muscle-testing photographs, and illustrations from many other classic texts, which enhance the learning experience.
Transsphenoidal Surgery

This book focuses on controversial issues in neuroanesthesia and neurocritical care that in general have been subjected to insufficient professional scrutiny. The book is in three parts, the first of which is devoted to topics relating to traumatic brain and spinal cord injury, such as brain tissue oxygenation, the role of biomarkers, and diagnosis of brain death. Aspects of airway and pain management are then addressed, covering, for example, airway management in an emergency setting, airway evaluation in the edentulous patient, and pain management in neurosurgery and after craniotomy. The final part of the book considers a wide range of other challenging subjects in the field of neuroanesthesia and neurocritical care. Throughout, much information is provided on the latest, state of the art management. The authors are acknowledged experts in the issues they discuss, and the book will be of interest for graduate and undergraduate students, residents, neuroanesthesiologists, neurointensivists, and craniofacial surgery medicine residents and specialists, fellows in neurocritical care and all those directly involved in the perioperative care of patients with head and neck pathology.

Challenging Topics in Neuroanesthesia and Neurocritical Care

Clinical endocrinology is a fascinating field requiring the challenging combination of broad pathophysiological interest and specific expertise in the field of endocrinology, thereby occupying a common ground between biochemistry, physiology and clinical medicine. In the majority of cases the clinician's notion of the presence of an endocrine disease is largely based upon pattern recognition, in which physical changes play an important role. Therefore many color illustrations have been included throughout the text. In addition there are many full color graphs and illustrations of diagnostic imaging and pathology. With over 350 illustrations the book represents a richly illustrated text on the diseases of endocrine glands. For each gland there is an introductory section on the relevant morphology and physiology, followed by descriptions of the disorders of the gland. When endocrine diseases are quite different in dogs and cats, separate descriptions are given for these species. Protocols for function tests and emergency treatments are presented in the last chapters. Consequently the book provides the user with both comprehensive descriptions and quick references. The book has been written by leading clinicians in the field, with contributions from two biochemists, a radiologist and pathologist. As such a valuable textbook for veterinary students and practitioners has been compiled to fulfill the need for an up-to-date and complete book on endocrine diseases of dogs and cats.

Neurosurgery Fundamentals

This work details contemporary clinical knowledge on the multidiplay disciplinarian management of pituitary and other sellar/parasellar tumors, with a focus on surgical techniques and a particular emphasis on complication avoidance and management. International experts provide guidance on natural history, radiologic and clinical aspects, surgical indications, and resection techniques. In addition, case presentations and clinical photographs help the reader reduce the risk of error and advance their own surgical skills. Readers also have access online to streaming videos of key procedures to help them provide the best possible outcomes for every patient. Transsphenoidal Surgery: Complication Avoidance and Management Techniques will be of great value to Neurosurgeons, Otolaryngologists, Endocrinologists, Radiation Oncologists, and residents and fellows in these specialties.

Rhoton's Atlas of Head, Neck, and Brain

Comprehensive text on physical medicine and rehabilitation, with an emphasis on keeping 'reader efficiency' in mind. Sections include: evaluation of patients, treatment techniques and special equipment, therapeutic issues and problems, and specific diagnoses. Expanded material on sensory rehabilitation intervention procedures critical thinking in, and complications resulting from, alternative medicine acupuncture imaging pharmacology and manual medicine results in the most complete, well-rounded coverage of the field.

Schmidek and Sweet: Operative Neurosurgical Techniques E-Book

Fully revised and updated, the Handbook serves as a practical guide to endovascular methods and as a concise reference for neurovascular anatomy and published data about cerebrovascular disease from a neurointerventionalist's perspective. Divided into three parts, the book covers: Fundamentals of neurovascular anatomy and basic angiographic techniques; Interventional Techniques and endovascular methods, along with useful device information and tips and tricks for daily practice; Specific Disease States, with essential clinical information about commonly encountered conditions. New features in the 2nd Edition include: Global Gems that illuminate aspects of the field outside the United States; Angio-anatomic and angio-pathologic image correlates; Newly released clinical study results influencing neurointerventional practice; Information on emerging technologies in this rapidly advancing field. The Handbook is a vital resource for all clinicians involved in neurointerventional practice, including radiologists, neurosurgeons, neurologists, cardologists, and vascular surgeons.

Schmidek and Sweet: Operative Neurosurgical Techniques 2-Volume Set, Indications, Methods and Results (Expert Consult - Online and Print), 6

Masterful 2D and 3D head, neck, and brain dissections provide unsurpassed insights into head, neck, and brain anatomy. An internationally renowned and beloved author, educator, brain anatlastist, and neurosurgeon, Professor Albert Rhoton has a special place in medical history. He was revered by students and colleagues and is regarded as one of the fathers of modern microscopic neurosurgery. A driving principle in his anatomy lab was the simple phrase, “Every Second.” This was embraced in his philosophy that every second of every day, a patient's life was improved by a surgeon assisted by the anatomic knowledge his lab helped elucidate and distribute. Rhoton's Atlas of Head, Neck, and Brain is the visually exquisite crowning achievement of Dr. Rhoton's brilliant career and unwavering dedication to the intertwined pursuits of surgical anatomy and neurosurgery. The atlas reflects the unparalleled contributions Dr. Rhoton made to the contemporary understanding of neurosurgical anatomy. Dr. Peris-Celda, with the collaboration of an impressive cadre of international multidisciplinary experts, worked closely under Dr. Rhoton's tutelage on this project. This book is the culmination of 5 years of work and experience gleaned from more than 40 years of surgical anatomy research and exquisite dissection techniques performed in Dr. Rhoton's laboratory. Special Features Each anatomic dissection meticulously labeled with English and Latin descriptors for easy cross referencing with other resources. Multiple views of the most complex regions of head, neck, and brain provide a deeper understanding of anatomy. More than 600 anatomical images systematically organized in four major sections: Osteology of the Head and Neck; Face and Neck; Ear, Nose, Pharynx, Larynx, and Orbit; and Neuroanatomy and Cranial Base. Superb 2D images presented in a large printed format to optimize the viewing experience. 3D digital images fully realize the beauty of the dissections and enhance the learning process. Specimens injected with colored silicone provide better visualization of arteries and veins. Breathtakingly stunning, this atlas is certain to be a treasured reference for medical students, residents, and clinicians specializing in neurosurgery, facial plastic surgery, otolaryngology, maxillofacial surgery, and craniofacial surgery for many years to come.

Endoscopic Approaches to the Skull Base

THE DEFINING WORK IN NEUROSURGERY, REISSUED FOR A NEW GENERATION OF TECHNICAL EXCELLENCE Cranial Anatomy and Surgical Approaches is the master work of the legendary neurosurgeon Albert L. Rhoton, Jr. – a distillation of 40 years of work to improve safety,
accuracy, and gentleness in the medical specialty the author helped shape. Newly reissued and featuring more than 2000 full-color illustrations, this definitive text on the microsurgical anatomy of the brain remains an essential tool for the education and enrichment of neurosurgeons at any career stage. It fulfills its author’s hopes to make, in his words, the “delicate, faithful, and awesome” procedures of neurosurgery more gentle, accurate, and safe. Across three sections, Cranial Anatomy and Surgical Approaches details the safest approaches to brain surgery, including: 1) Micro-operative techniques and instrument selection; 2) Microsurgical anatomy and approaches to the supratentorial area and anterior cranial base, including chapters on aneurysms, the lateral and third ventricles, cavernous sinus and sella; 3) Anatomy and approaches to the posterior cranial fossa and posterior cranial base, including chapters on the fourth ventricle, tentorial inciura, foramen magnum, temporal bone, and jugular foramen; Supra- and infratentorial areas, including chapters on the cerebrum and cerebellum and their arteries and veins.

The Handbook of Adult Language Disorders

One-of-kind textbook provides comprehensive coverage on cranial anatomy with step-by-step text and visuals. Dissection in the anatomical laboratory is a mandatory component of training for neurosurgeons. Acquisition of highly technical skills is a long and arduous task, requiring knowledge of complex and technical anatomy and basic steps for single surgical approaches. Unlike dense textbooks, Operative Cranial Neurosurgical Anatomy by Filippo Gagliardi, Cristian Gragnaniello, Pietro Mortini, and Anthony Caputy provides readers with a user-friendly tutorial on cranial approaches, clearly delineated through concise written instructions and serial images. Essential procedural aspects are discussed in 53 chapters, starting with sections on pre-surgical training and planning, patient positioning, and basic techniques. Subsequent sections detail cranial approaches; transpetrosal approaches; endonasal, transoral, and transaxial procedures; vascular procedures; and ventricular shunts procedures. Surgical technique fundamentals and basic variants, including surgical anatomy and landmarks, are highlighted in 500 figures and illustrations. Key Features Summaries, graphics, and schematic drawings provide immediate access to salient information to utilize during surgical dissections and for surgical preparation. A wide spectrum of cranial procedures covered in 23 chapters from the precrucural approach to the medial orbit and central skull base to surgical anatomy of the petrous bone Diverse endonasal procedures including sublabial, transphenoidal, modified lothrop, odontoidectomy, and endoscopic endonasal transmaxillary Vascular procedures such as middle cerebral artery bypass and internal maxillary artery bypass. This reader-friendly handbook is a must-have resource for every neurosurgical resident and an excellent refresher for all neurosurgeons. It will help residents and fellows optimize the time and quality of practical training in the cadaver lab, learn fundamental surgical techniques in cranial neurosurgery, and thoroughly prepare for cranial neurosurgical cases.

Manual de principios y controversias en neurotrauma y urgencias neuroquirúrgicas

Kidney Cancer: Principles and Practice is a comprehensive and interdisciplinary textbook that encompasses all clinically relevant aspects of the disease. This new edition has been extensively updated and includes brand new material covering the most recent developments in kidney cancer diagnosis and therapy. The user-friendly and clinically oriented content of the book guarantees that it will be of great interest to a wide range of medical professionals, and every effort has been made to ensure that contributions are both easy to understand and directly related to patient care. Content presentation depends from the usual dense chapter format featuring a lengthy series of paragraphs. Instead, each chapter contains several boxed sections, including one that summarizes essential “take home points” for the busy clinician and another that presents a patient-oriented case highlighting the clinical application of elements discussed in that chapter. In addition, accessible original images, illustrations, and diagrams (some in full color) are used to simplify particularly complex material. This book will be of value for clinicians, researchers, residents, fellows, students, and kidney cancer patients. The contribution of authors with expertise in oncology, urology, and nephrology enables the reader to cover an international cancer epidemiology, molecular biology, pathology, diagnosis, clinical features, staging, prognostic and predictive factors, surgery, systemic therapy, and emerging investigational approaches, among others.

Endoscopic Endonasal Transsphenoidal Surgery

Is it possible to learn something without being aware of it? How does emotion influence the way we think? How can we improve our memory? Fundamentals of Cognition, third edition, provides a basic, reader-friendly introduction to the key cognitive processes we use to interact successfully with the world around us. Our abilities in attention, perception, learning, memory, language, problem solving, thinking, and reasoning are all vitally important in enabling us to cope with everyday life. Understanding these processes through the study of cognitive psychology is essential for understanding human behaviour. This third edition has been thoroughly updated and revised with an emphasis on making it even more accessible to introductory-level students. Bringing on board Professor Marc Brysbaert, a world-leading researcher in the psychology of language, as co-author, this new edition includes: developed and extended research activities and “In the Real World” case studies to make it easy for students to engage with the material; new real-world topics such as discussions of attention-deficit/hyperactivity disorder, the reading problems of individuals with dyslexia, why magic tricks work, and why we cannot remember the Apple logo accurately; a supporting companion website containing multiple choice questions, flashcards, sample essay answers, instructor resources, and more. The book provides a perfect balance between traditional approaches to cognition and cutting-edge cognitive neuroscience and cognitive neuropsychology. Covering all the key topics within cognition, this comprehensive overview is essential reading for all students of cognitive psychology and related areas such as clinical psychology.

American Book Publishing Record

Esta primera edición del “Manual de Principios y Controversias en Neurotrauma y Urgencias Neuroquirúrgicas” pretende mostrar los conceptos más frecuentes, novedosos, controvertidos y relevantes de los procesos patológicos neuroquirúrgicos y neurotraumatológicos únicos. Dadas las características de gravedad de las lesiones y las comorbilidades asociadas a estos pacientes, es frecuente que aparte de la atención inicial a cargo de los emergenciólogos, neurocirujanos, traumatólogos e intensivistas, se precise también de la asistencia de cirujanos, anestesiólogos, rehabilitadores, médicos intensivistas, médicos infectólogos, entre otros. Tanto el sistema nervioso central como el periférico, protegidos por estructuras óseas y envolturas musculares y ligamentarias, presentan gran exposición a las lesiones ante los traumatismos y otros procesos patológicos agudos, así como una respuesta de reparación incompleta ante insultos patológicos de diversa índole, ante lo cual la mejor medida posible es la prevención del daño inicial.

Rhoton's Cranial Anatomy and Surgical Approaches

The management of pituitary adenomas and other sellar tumors is one of the most difficult tasks for neurosurgeons and endocrinologists. Optimal treatment requires a multidisciplinary approach; neurosurgical, ophthalmological, and endocrinological tests are all required. Fortunately, the past decade has seen rapid improvements in the management of patients with pituitary adenomas and other sellar tumors. Transsphenoidal surgery has gone from being an innovative approach to pituitary adenomas to having become the standard procedure for a whole variety of sellar and parasellar lesions. The authors contributing to this book expertly detail the state-of-the-art treatment of patients with pituitary adenomas, covering operative approaches, peri-operative management, surgical pathology as well as the newer extensions such as image guidance and endoscopy. They also identify the complementary roles of radiosurgery and transcranial surgery in the approach to sellar and suprasellar tumors. In addition the text gives a glimpse at what the future may hold for the treatment of such tumors. The present volume of Frontiers of Hormone Research will be of great value for endocrinologists, neurosurgeons, neuroophthalmologists, neuro-ophtalmologists, and otolaryngologists in the treatment of patients with pituitary adenomas.
Cranial, Craniofacial and Skull Base Surgery

Interpret the complexities of neuroanatomy like never before with the unparalleled coverage and expert guidance from Drs. Srinivasan Mukundan and Thomas C. Lee in this outstanding volume of the Netter's Correlative Imaging series. Beautiful and instructive Netter paintings and illustrated cross-sections created in the Netter style are presented side by side high-quality patient images and key anatomic descriptions to help you envision and review intricate neuroanatomy. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. View the brain, spinal cord, and cranial nerves, as well as head and neck anatomy through modern imaging techniques in a variety of planes, complemented with a detailed illustration of each slice done in the instructional and aesthetic Netter style. Find anatomical landmarks quickly and easily through comprehensive labeling and concise text highlighting key points related to the illustration and image pairings. Correlate patient data to idealized normal anatomy, always in the same view with the same labeling system.

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