Color Atlas Of Cerebral Revascularization Anatomy Techniques Clinical Cases 1 Hardvdr Edition By Spetzler Robert F Rhoton Albert L Nakaji Peter Kawas Published By Thieme 2013

[Four stars] Could not be published at a better time... superb illustrations, well-referenced text... technique insights... not only a superb book, but also one with historical significance... unparalleled in the book literature on aneurysm clipping. Doodys Review Seven Aneurysms: Tenets and Techniques for Clipping, a Finalist in the 2012 IBPA Benjamin Franklin Awards, combines the instructive nature of a textbook with the visual aspects of an atlas to guide readers through the surgical principles, approaches, and techniques they need to dissect and clip cerebral aneurysms. Comprised of three concise sections, the book distills the distinguished author's vast experience into a series of easily accessible tutorials presented through clear, systematic descriptions and stunning, full-color illustrations. The first section explains the critical concepts and basic tenets of aneurysm microsurgery followed by a section on the various craniotomies and exposures necessary for successful clipping. The final section covers microsurgical anatomy, dissection strategies, and clipping techniques for each of the seven most common aneurysm types that are the focus of this book. Features: Strategies for handling the seven aneurysms most often seen by neurosurgeons: PCoA, MCA, ACoA, OphA, PcaA, basilar bifurcation, and PICA 383 full-color surgical photographs demonstrate operative techniques; 77 high-quality drawings display anatomy and spatial relationships Succinct text facilitates quick reading and easy reference Clipping remains an essential treatment method for the most frequently encountered aneurysms. This must-have guide will enable neurosurgery residents, fellows, or practicing neurosurgeons to handle the majority of the aneurysms they will encounter with confidence and poise.

Color Atlas of Cerebral RevascularizationAnatomy, Techniques, Clinical CasesThieme

This text provides a comprehensive and contemporary overview of surgical approaches to lesions of the posterior fossa. It will serve as a resource for neurosurgeons and otologists who treat patients with tumors and vascular diseases of the posterior fossa. It provides a concise review of surgical strategies that address the most important pathologies affecting the posterior fossa. It is richly illustrated with photographs and illustrations of the surgical strategies covered. All chapters are written by experts with world-wide recognition for their contributions in their respective subspecialty. Skull Base Surgery of the Posterior Fossa will be of great utility to Neurosurgeons, Otolaryngologists, and Radiation Therapists with an interest in diseases that affect the posterior fossa, as well as Senior Residents in Neurosurgery and Otolaryngology, and Fellows of Skull Base Surgery and Otology.

Providing angiologists and vascular surgeons with a comprehensive survey of all aspects of vascular diseases from diagnosis to treatment, all the clinical pictures

here are documented by pathological pictures, angiograms or X-rays. Specific cases of differential diagnosis are included as are surgical photographs concerning the treatment of the diseases. The text thus combines the interests of vascular surgeons, angiologists, radiologists and cardiologists in a unique atlas and text combination.

Diagnosis and Management

Color Atlas of Cerebral Revascularization

Color Atlas of Brainstem Surgery

A Salutogenic Active Ingredients Approach to Treatment

National Library of Medicine Current Catalog

Tenets and Techniques for Clipping

The highly complex specialty of brainstem surgery requires many years of study, a focus on precision, and a passionate dedication to excellence to prepare the neurosurgeon for navigating significant anatomic challenges. Although the brainstem is technically surgically accessible, its highly eloquent structure demands rigorous surgical decision-making. An in-depth understanding of brainstem and thalamic anatomy and the safe entry zones used to access critical areas of the brainstem is essential to traversing the brainstem safely and successfully. This remarkable, one-of-a-kind atlas draws on the senior author's decades of experience performing more than 1,000 surgeries on the brainstem, thalamus, basal ganglia, and surrounding areas. Its content is organized by anatomic region, enabling readers to study separate subdivisions of the brainstem, each of which has its own unique anatomic and surgical considerations. From cover to cover, the atlas provides readers with technical guidance on approach selection, the timing of surgery, and optimization of outcomes-elucidated by more than 1700 remarkable color illustrations, dissections, clinical images, and line drawings. Key Highlights Beautifully detailed, highly sophisticated brain slices and dissections by Kaan Yagmurlu, who trained under the internationally renowned neuroanatomist and neurosurgeon Albert Rhoton Jr. Color illustrations clearly labeled with callouts and other indicators of foci of interest delineate multiple safe entry zones to the brainstem More than 50 detailed patient cases highlight each patient's history of previous neurological disorders, presenting symptoms, preoperative imaging, diagnosis, the planned surgical approach, patient positioning, intraoperative and postoperative imaging, and outcome Seven animations and more than 50 surgical videos elucidate approach selection, anatomy, and surgical outcomes of thalamic region and brainstem lesions This illuminating atlas provides insights into the complexities of the hallowed halls of the brainstem. Neurosurgeons and neurosurgical residents alike who glean knowledge from the clinical pearls throughout each section will no doubt become more adept surgeons, to the ultimate benefit of their patients.

This practical handbook covers the diagnosis and management of fractures in adults and children. Each chapter is organized as follows: Epidemiology, Anatomy, Mechanism of Injury, Clinical Evaluation, Radiologic Evaluation, Classification, treatment,

Complications. Section 1 also covers Multiple Trauma, Gunshot Wounds, pathologic and periprosthetic fractures, and orthopedic analgesia. The new edition will be in full color and will include a new chapter on the basic science of fracture healing, as well as a new section on intraoperative Imaging. Features: Bulleted format allows quick access and easy reading Consistent format for targeted reading Covers adult and pediatric fractures Covers fractures in all anatomic areas Heavily illustrated PortableIn Full color New chapter: Basic Science of Fracture Healing New Section: Intraoperative Imaging

A highly-anticipated addition to Thieme's classic color atlas collection, Color Atlas of Cerebral Revascularization focuses on cerebral bypass techniques pioneered by leading surgeons at the world-renowned Barrow Neurological Institute in Phoenix, Arizona. Each procedure is presented with intraoperative photographs and exquisite anatomical illustrations to help surgeons master the complex microsurgical anatomy and subtle surgical technique used in managing the potential onset and condition of stroke and other causes of cerebral ischemia. Key Features: Side-by-side photo and illustration format aids in interpretation of intricate surgical procedures More than 1300 figures elucidate clinical cases from the Barrow Neurological Institute and other centers of neurosurgical excellence A DVD, featuring more than 30 related surgical cases and narrated by the authors, is included with the book Cases illustrate how to successfully achieve revascularization for conditions such as moyamoya disease, recurrent aneurysms after endovascular treatment, giant aneurysms, vertebral artery insufficiency, and severe stenosis The vascular anatomy related to each bypass technique is illustrated and described in the sections showcasing the clinical cases treated by the technique This comprehensive atlas is an ideal reference for practicing neurosurgeons, neurosurgical residents, and interventional neuroradiologists, and it will be a relevant volume in their medical library for years to come.

This Atlas summarizes current surgical strategy for cerebral revascularization in the treatment of complex neurovascular diseases. It focuses on complex intracranial aneurysms, which are mostly large/giant, irregular and short of enough collateral compensation. In the first part, it starts from the extracranial-intracranial (EC-IC) bypass strategy. For the complex middle cerebral artery aneurysms, the types of EC-IC bypass are determined based on the angioarchitecture. Furthermore, various intracranial-intracranial (IC-IC) bypasses are introduced, with the advantage of no need for graft vessel harvesting and preferable matching of donor and receipt arteries. This Atlas provides useful knowledge and cases about this basic and indispensable skill for neurosurgeons.

Textbook and Color Atlas of Salivary Gland Pathology

The ICU Book

Color Atlas of Emergency Trauma

Anatomy, Techniques, Clinical Cases

Principles of Neurological Surgery E-Book

Skull Base Surgery of the Posterior Fossa

Provides coverage of the pathogenesis, clinical, morphologic, molecular and investigational aspects of a full range of blood disorders seen in daily practice The revised fifth edition of this renowned atlas presents readers with a comprehensive, visual guide to clinical hematology, featuring 2700 full-color photographs and figures depicting the spectrum of hematological diseases. Ranging from photographs of the clinical manifestations and key microscopic findings to diagrams of the molecular aspects of these diseases, the book provides up-to-date information of the blood diseases that clinicians encounter every day. Color Atlas of Clinical Hematology: Molecular and Cellular Basis of Disease offers the reader an understanding of normal cell machinery, and of the molecular basis for such processes as DNA and cell replication, RNA species, trafficking and splicing, protein synthesis, transcription factors, growth factor signal transduction, epigenetics, cell differentiation, autophagy, and apoptosis. The text goes on to explore how these processes are disturbed in the various diseases of the bone marrow, blood, and lymphoid systems. Helps solve difficult diagnostic challenges and covers complex principles using highly illustrative, full-color images Explores all aspects of benign and malignant hematology, including blood transfusion and coagulation with extensive coverage of the pathogenesis of common clinical entities Provides a quick and easy reference of key diagnostic issues in a comprehensive yet concise format Includes and illustrates the WHO Classification of Hematologic Malignancies Illustrates the new knowledge of the molecular basis of inherited and acquired blood diseases Color Atlas of Clinical Hematology: Molecular and Cellular Basis of Disease is the must-have resource for both trainee and practising hematologists, and for every department of hematology. "Substantially updated and now multi-authored so that all aspects of haematology are equally covered, including the newest developments in molecular biology and genomic sequencing" "There is a surplus of invention in communicating complex problems here and an admirable effort to keep the reader totally up-to-date"

The complex, highly technological field of neurovascular surgery is quickly expanding, encompassing traditional surgical approaches, as well as endovascular and neurointerventional techniques. The last decade has seen increased cross-specialty interest in utilizing minimally invasive techniques to help prevent and treat cerebrovascular disease. Concurrently, there has been important research analyzing the efficacy of surgical methods versus endovascular approaches and the clip versus coil discussion is covered herein. Written by 21st Century pioneers in the field, this second, cutting-edge edition offers the latest science throughout 1,400 pages and a remarkable video library covering anatomy, diagnosis, epidemiology, history, treatment indications, technical nuances, outcomes, and complications. Internationally renowned experts from across the globe share clinical pearls and best practices,from the research lab to the ER to the OR. Medical, surgical, endovascular, cerebral revascularization, bypass surgery, radiation therapy, and other procedures are covered in depth. Evidence-based and transdisciplinary, the second edition covers the full spectrum of neurovascular pathologies,preoperatively and postoperatively,including: Ischemic Stroke and Vascular Insufficiency Cerebral and Spinal Aneurysms Cerebral and Spinal Arteriovenous Fistulae and Malformations Vascular Tumors Carotid Artery Disease Moya-Moya Disease Moya-Moya Disease Revascularization techniques Organized into 11 primary sections, 99 richly illustrated chapters, and more than 140 videos, this volume is an invaluable, one-stop reference tool. It is a must-have for general, vascular and endovascular neurosurgeons; interventional radiologists; neurologists; critical care practitioners; and neuro-rehabilitation specialists.

?This book represents a head-to-toe guide for clinicians who are interested in applying real-time near infrared (NIR) imaging for their patients. Expert surgeons from around the globe share their experience with NIR imaging, most commonly performed using indocyanine green (ICG) fluorescence. The chapters are structured to include a brief background, indications for use, followed by a technical description of the procedure. Each chapter is also accompanied by video examples and detailed information about necessary equipment, drug dosing, and alternative techniques. A pitfalls section serves as a “lessons learned” segment to bookend each chapter. Authors represent a comprehensive list of surgical subspecialties ranging from neurosurgery to plastic surgery. While it is not meant to serve as an exhaustive summary of ICG use in surgery, the goal is to highlight the successful use of this

technology in a number of settings. As the technology and applications continue to expand, Video Atlas of Intraoperative Applications of Near Infrared Fluorescence Imaging serves as a foundation upon which to build.

The new edition of this full-color atlas presents nearly 900 images from one of the largest and busiest trauma centers in North America. The images bring the reader to the bedside of patients with the full spectrum of common and uncommon traumatic injuries including motor vehicle accidents, falls, lacerations, burns, impalements, stabbings and gunshot wounds. The clinical, operative and autopsy photographs; x-ray, ultrasound, magnetic resonance imaging and angiography radiographs; and original illustrations depicting injury patterns will help guide clinicians in recognizing, prioritizing and managing trauma patients. Organized by major body regions into separate chapters on the head, face, neck, chest, abdomen, musculoskeletal system, spine and soft tissue, this thorough text discusses management guidelines, emergency workup protocols and common pitfalls. The Color Atlas of Emergency Trauma is an essential resource for those involved in trauma care.

IR Playbook

Color Atlas of Microneurosurgery

Vascular Neurosurgery

Handbook of Medical Neuropsychology

An Overview

Textbook of Interventional Neurology

Infections of the bones (osteomyelitis) and joints (septic arthritis) are serious health problems which require antibiotics and often surgery. Awareness among health professionals of the causes and treatment options for various types of bone and joint infections is essential for effective resolution. Bone and Joint Infections takes a multidisciplinary approach in covering the diagnostic and therapeutic treatment of osteomyelitis and septic arthritis, including different types of implant-associated infections. Correct and rapid diagnosis of bone and joint infection is crucial and requires the input of a variety of specialists. Bone and Joint Infections takes a similarly collaborative and comprehensive approach, including chapters authored by clinicians, laboratory specialists, and surgeons. Covering the basic microbiology and clinical aspects of bone and joint infection, this book will be a valuable resource both for researchers in the lab and for physicians and surgeons seeking a comprehensive reference on osteomyelitis and septic arthritis. • Covers bone and joint infections with and without different types of implants from a multidisciplinary perspective • Each chapter covers the microbiology, clinical features, imaging procedures, diagnostics, and treatment for a given condition • Includes both adult and pediatric bone and joint infection • Discusses implant-associated infections as well as native infections

Practical textbook aimed at doctors beginning work on a stroke unit or residents embarking on training in stroke care.

Principles of Neurosurgery, by Drs. Richard G. Ellenbogen, Saleem I. Abdulrauf and Laligam N Sekhar, provides a broad overview of neurosurgery ideal for anyone considering or training in this specialty. From general principles to specific techniques, it equips you with the perspectives and skills you need to succeed. Comprehensive without being encyclopedic, this new edition familiarizes you with the latest advances in the field—neuroimaging, the medical and surgical treatment of epilepsy, minimally invasive techniques, and new techniques in position and incisions—and shows you how to perform key procedures via an online library of surgical videos at www.expertconsult.com. No other source does such an effective job of preparing you for this challenging field! Get comprehensive coverage 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. Gain a clear visual understanding from over 1,200 outstanding illustrations—half in full color—including many superb clinical and operative photographs, surgical line drawings, and at-a-glance tables. Apply best practices in neuroimaging techniques, minimally invasive surgery, epilepsy surgery, and pediatric neurosurgery. Master key procedures by watching experts perform them in a video library online at www.expertconsult.com, where you can also access the fully searchable text, an image gallery, and links to PubMed. Keep up with recent advances in neurosurgery with fully revised content covering neuroimaging, the medical and surgical treatment of epilepsy, minimally invasive techniques, new techniques in position and incisions, deep brain stimulation, cerebral revascularization, and treatment strategies for traumatic brain injury in soldiers. Apply the latest guidance from new chapters on Cerebral Revascularization, Principles of Modern Neuroimaging, Principles of Operative Positioning, Pediatric Stroke and Moya-Moya, Anomalies of Craniovertebral Junction, and Degenerative Spine Disease. Tap into truly global perspectives with an international team of contributors led by Drs. Richard G. Ellenbogen and Saleem I. Abdulrauf. Find information quickly and easily thanks to a full-color layout and numerous detailed illustrations.

This book covers all aspects of the prevention, diagnosis, and treatment of stroke, offering an integrated perspective that will be relevant to a range of specialists. Extensive consideration is given to the different methods of stroke prevention and arterial revascularization, with up-to-date information on pharmacological measures and clear presentation of endovascular stent placement procedures and surgical techniques, including those involving the carotid artery, vertebral artery, and aortic arch. Complex procedures, such as simultaneous bilateral carotid revascularization, are discussed in depth, drawing on a large series of cases and setting out practical rules. The diagnosis and treatment of intra- and extracranial aneurysms and the management of cervical trauma are examined fully. In addition, the reader is provided with guidance on characterization of the culprit lesion by means of different imaging modalities and with advice on the importance of a multidisciplinary team and combined approaches (endovascular and surgical), identification of risk factors, anesthesia, neuromonitoring, and hemodynamic monitoring. The book will be of value not only for cardiac and vascular surgeons but also for cardiologists, neurologists, neurosurgeons, anesthesiologists, anatomists, specialists in diagnostic imaging, and interventional radiologists.

Color Atlas of Burn Reconstructive Surgery

Applications of Cognitive Neuroscience

Color Atlas of Clinical Hematology

Essential Clinical Skills in Pediatrics

Seven Aneurysms

Neurovascular Surgery

This illuminating and comprehensive work offers readers a thorough and detailed perspective of brainstem surgery as well as state-of-the-art discussion on the diagnosis and management of related pathologies. Hailing from around the globe and currently practicing in various countries in Asia, Europe, and North America, the expert authors of this work represent a wide range of disciplines and experiences, providing a comprehensive, interdisciplinary overview of brainstem surgery. Indeed, brainstem pathologies remain the most challenging to manage surgically due to the high eloquence and the deep and hidden location of the brainstem, turning surgical treatment of brainstem

pathologies into one of the most complex and demanding fields in neurosurgery. This vital book guides readers through this very complex anatomical territory in which any pathology leads to grave consequences. Taking readers through the depth of the complex architecture of the brainstem in the clinical context, and emphasizing the evidence-based treatment of different brainstem pathologies while also reviewing what the future holds for the management of these pathologies, the book presents a review of state-of-the-art preoperative assessment modalities and surgical. The book covers brainstem-related pathologies from infancy to adulthood, and the text is enriched with diagnostic and surgical images that cover almost all types of brainstem lesions. The book is written in a way that neurosurgery specialists and fellows will feel comfortable navigating throughout its contents, and the enthusiastic neurosurgery resident will find this book to be a valuable guide. A major contribution to the clinical literature, Brainstem Tumors: Diagnosis and Management will also serve as a reference for anyone involved in the treatment of patients suffering from brainstem pathologies, including medical team members such as adult and pediatric neurosurgeons, neurologists, neurooncologists, residents and fellows, clinical neuropsychologists, electrophysiologists, neuroradiologists, and medical students who have a passion to learn about the assessment and surgical management of patients with brainstem diseases.

This book is a guide dedicated to vascular pathologies affecting the central nervous system. It uses a multiple-choice format with more than 340 genuine MCQs in a convenient format that is ideal for self-study. Seven chapters provide comprehensive coverage of core concepts in vascular neurosurgery. The questions are structured and organized so as to offer a step-by-step description of each disease, from the definition, related anatomy, pathology, clinical features, radiology to surgical decisions and operative tricks. Answers and explanations appear directly below the questions to make reading easy. This book is essential for residents across neurosurgical disciplines as it includes most of the neurovascular information neurosurgical residents need to prepare for their certification exam. It is also beneficial for those seeking a refresher or for those preparing for certification maintenance.

Textbook and Color Atlas of Salivary Gland Pathology: Diagnosis and Management provides its readers with a new, landmark text/atlas of this important discipline within oral and maxillofacial surgery, otolaryngology/head and neck surgery, and general surgery. Written by well-established clinicians, educators, and researchers in oral and maxillofacial surgery, this book brings together information on the etiology, diagnosis and treatment of all types of salivary gland pathology. Clear and comprehensive, the Textbook and Color Atlas of Salivary Gland Pathology offers complete explanation of all points, supported by a wealth of clinical and surgical illustrations to allow the reader to gain insight into every facet of each pathology and its diagnosis and treatment.

In Cerebral Revascularization: Microsurgical and Endovascular Techniques, renowned surgical experts combine their expertise to provide the most current and comprehensive coverage of open brain bypass and endovascular options currently available.A detailed introduction familiarizes readers with the various indications for these technically demanding procedures. Concise chapters then supply thorough coverage of surgical strategies, complications, and outcomes using case examples from the authors' own collections to help prepare readers for surgery. Enhancing the text throughout, operative photographs and angiographic images clearly demonstrate the pre-, peri-, and

postoperative management of ischemic stroke, giant aneurysms, and the spectrum of complex cerebrovascular diseases.Features Extensive coverage of extracranial-intracranial bypass and the latest in endovascular therapy 369 high-quality operative photographs and endovascular images illustrate key concepts A unique emphasis on the vital role perioperative care plays in optimizing patient outcomes Neurosurgeons, residents, and fellows will regularly refer to this definitive guide in both the operating room and the catheterization lab. It is also an indispensable resource for interventional radiologists, neurologists, vascular neurosurgeons, or for anyone who needs to learn more about these cutting-edge cerebral revascularization techniques.

Color Atlas of Vascular Diseases

Expert Consult - Online

A Practical Guide to History Taking and Clinical Examination

Microanatomy, Approaches and Techniques

Color Atlas of Extracranial/intracranial Anastomosis

A Practical Approach

An essential companion for busy professionals seeking to navigate stroke-related clinical situations successfully and make quick informed treatment decisions.

Endovascular intervention - using medication and devices introduced through catheters or microcatheters placed into the blood vessels through a percutaneous approach - has emerged as a relatively new minimally invasive approach to treat cerebrovascular disease and possibly intracranial neoplasms. This textbook provides a comprehensive review of principles pertinent to endovascular treatment of cerebrovascular diseases and intracranial tumors, with a detailed description of techniques for these procedures and periprocedural management strategies. Particular emphasis is placed on expert interpretation of the quality of evidence provided and implications for practice related to endovascular procedures. This will be essential reading for clinicians working in interventional neurology and cardiology, endovascular neurosurgery, vascular surgery and neuroradiology.

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 ventriculo-peritoneal, ventriculoatrial 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.

This groundbreaking new guide was written specifically for therapists, psychologists, and clinicians to assist clients suffering from chronic stress/PTSD by implementing an innovative, salutogenic (strengths - and resource-based) philosophy into their daily therapy work. First, the book identifies four active ingredients that should be present in all trauma treatment-followed by the Empowerment and Resilience Structure treatment manual, which pinpoints the critical components and baseline standards for the field of trauma counseling that are not model dependent, and are designed for immediate application. Trauma Competency for the 21st Century is inspired by the salutogenic approach to treatment: working with wellness factors (those that support health and well-being) rather than those that cause disease. The goal is to empower the client through a renewed belief in their own abilities, capacities, and resiliencies, and to instill a genuine hope for a future marked by healing and fulfillment.

Text Atlas for Prevention and Management of Stroke

Brainstem Tumors

Critical Findings in Neuroradiology

Indications, Methods and Results

Textbook of Stroke Medicine

Surgery of the Brainstem

From reviews of previous volumes: Ranks with the very best previous attempts at codifying neurosurgical operations. The attention to detail is excellent... -The New England Journal of Medicine A valuable addition to any library...I would recommend it to all neurosurgeons with an interest in cerebrovascular disease...The operative photographs are of extremely high quality.-Chicago Medicine The final volume in the acclaimed series provides coverage of the anatomy, surgical approaches, and techniques involved in performing cerebral revascularization. Filled with over 2,000 vibrant images, it provides the visual instruction neurosurgeons need. Highlights include: A complete section detailing intracranial vasculature and anatomy of the spinal cord A case material section featuring a rich diversity of clinical situations to illustrate a variety of microsurgical techniques Thorough coverage of bypasses, reconstructions, and the use of endarterectomy to achieve revascularization Presentation of both surgical and endovascular techniques for re-establishing blood flow through the carotid and cerebral arteries Information on tumors of the spinal cord and spinal vascular malformations, particularly cavernous and arteriovenous malformations

Be ready to prescribe and administer drugs safely and effectively—and grasp all the vitals of pharmacology—with

the fully updated Pharmacotherapeutics for Advanced Practice, 4th edition. Written by pharmacology nursing experts, this easy-to-read text offers proven frameworks for treating more than 50 common diseases and disorders. Learn how to identify disorders, review possible therapies, then prescribe and monitor drug treatment, accurately. Based on current evidence and real-life patient scenarios, this is the perfect pharmacology learning guide and on-the-spot clinical resource. Absorb the key principles and practical methods for accurate prescribing and monitoring, with . . . NEW chapter on Parkinson's disease, osteoarthritis, and rheumatoid arthritis NEW and updated therapies, and updated and additional case studies, with sample questions NEW content on the impacts of the Affordable Care Act Updated chapters on complementary and alternative medicine (CAM) and pharmacogenomics Updated evidence-based algorithms and drug tables – Listing uses, mechanisms, adverse effects, drug interactions, contraindications, and monitoring parameters, organized by drug class; quick access to generic and trade names and dosages Quick-scan format organizes information by body system Chapter features include: Brief overview – Pathophysiology of each disorder, and relevant classes of drugs Monitoring Patient Response section – What to monitor, and when Patient Education section – Includes information on CAM for each disorder Drug Overview tables – Usual dose, contraindications and side effects, and special considerations Algorithms – Visual cues on how to approach treatment Updated Recommended Order of Treatment tables – First-, second- and third-line drug therapies for each disorder Answers to Case Study Questions for each disorder – Strengthens critical thinking skills Selecting the Most Appropriate Agent section – The thought process for choosing an initial drug therapy Principles of Therapeutics unit – Avoiding medication errors; pharmacokinetics and pharmacodynamics; impact of drug interactions and adverse events; principles of pharmacotherapy for pediatrics, pregnancy/lactation, and geriatrics Disorders units – Pharmacotherapy for disorders in various body systems Pharmacotherapy in Health Promotion unit – Smoking cessation, immunizations, weight management Women's Health unit – Including contraception, menopause, and osteoporosis Integrative Approach to Patient Care unit – Issues to consider when presented with more than one diagnosis

Standard pharmacotherapeutics text for nurse practitioners, students, and physician assistants Ancillaries – Case Study answers, multiple choice questions and answers for every chapter, PowerPoints, Acronyms List

This book provides clear guidance as to which neuroradiological findings in ill or injured patients should be immediately communicated by radiologists and trainees to the emergency room and referring physicians in order to facilitate key decisions and eliminate preventable errors. It offers a practical and illustrative approach that identifies what to look for and how to report it and describes the required follow-up and the most common differential diagnoses of the main critical findings in neuroradiology. The book is distinctive in being written from a “critical findings perspective”, which makes its content more practical and memorable than that of a standard Emergency Neuroradiology textbook. It also illustrates the value of developing algorithmic approaches to report and communicate critical findings based on lists. While the book will appeal to a broad and variable audience, it is especially addressed to radiology training programs and will be a “must read” for residents and fellows in training.

The second edition of this award-winning Atlas provides trauma surgeons with an updated visual guide to key surgical techniques.

Current Catalog

Handbook of Fractures

Color Atlas of Microneurosurgery, Volume 3: Intra- und Extracranial Revascularization and Intraspinal Pathology

Color Atlas of Microsurgery

Video Atlas of Intraoperative Applications of Near Infrared Fluorescence Imaging

This handbook celebrates the abundantly productive interaction of neuropsychology and medicine. This interaction can be found in both clinical settings and research l- oratories, often between research teams and clinical practitioners. It accounts for the rapidity with which awareness and understanding of the neuropsychological com- nents of many common medical disorders have recently advanced. The introduction of neuropsychology into practice and research involving conditions without obvious neurological components follows older and eminently successful models of integrated care and treatment of the classical brain disorders. In the last 50 years, with the growing understanding of neurological disorders, neuropsychologists and medical specialists in clinics, at bedside, and in laboratories together have

contributed to important clinical and scienti c advances in the und- standing of the common pathological conditions of the brain: stroke, trauma, epilepsy, certain movement disorders, tumor, toxic conditions (mostly alcohol-related), and degenerative brain diseases. It is not surprising that these seven pathological con- tions were the rst to receive attention from neuropsychologists as their behavioral symptoms can be both prominent and debilitating, often with serious social and economic consequences.

First multi-year cumulation covers six years: 1965-70.

This book is a concise learning guide dedicated to the full scope of pediatric history-taking and clinical examination, for use in OSCEs as well as clinical life. It guides the reader simply and methodically through what to ask when taking a history, and how to perform a comprehensive physical examination. The book contains more than 30 " History Stations " covering the most common pediatric cases, as well as 10 " Examination Stations " covering examinations of the different body system. It provides students and resident doctors worldwide with the necessary core information for pediatric history-taking and clinical examination, all in a brief and interesting format. The book adopts a reader-friendly format through a lecture-note style and the use of Key Points, Clinical Tips, Notes, Tables, and Boxes listing the most important features. It is also richly illustrated, demonstrating the correct way to perform clinical examinations. Written " by a resident, for residents and medical students, " this book has been revised, foreworded, and peer-reviewed by fourteen prominent authorities in the field of Pediatrics from various parts of the world (including the United States, United Kingdom, Australia, Italy, Canada, and India), and from different universities (Illinois, Pennsylvania, Washington, Oxford, Edinburgh, Keele, Melbourne, Toronto, Parma, and Florence Universities). These experts recommend this book for medical students, pediatric residents, and pediatric practitioners, as well as pediatricians.

This best-selling resource provides a general overview and basic information for all adult intensive care units. The material is presented in a brief and quick-access format which allows for topic and exam review. It provides enough detailed and specific information to address most all questions and problems that arise in the ICU. Emphasis on fundamental principles in the text should prove useful for patient care outside the ICU as well. New chapters in this edition include hyperthermia and hypothermia syndromes; infection control in the ICU; and severe airflow obstruction. Sections have been reorganized and consolidated when appropriate to reinforce concepts.

The Stroke Book

Arterial Revascularization of the Head and Neck

From Microbiology to Diagnostics and Treatment

A Comprehensive Introduction to Interventional Radiology

Schmidek and Sweet: Operative Neurosurgical Techniques E-Book

In Multiple-Choice Questions

Post-burn scar contractures are a commonly encountered problem in the field of plastic and reconstructive surgery. Nevertheless, many physicians still lack adequate knowledge on beneficial treatments. In this up-to-date atlas, leading specialists in post-burn treatment and the

reconstruction of post-burn scar contractures depict in detail not only surgical techniques but also a variety of advantageous wound treatments. Many new methods invented by the authors are presented. Operative techniques are depicted in detail, and clear guidance is provided on selection of the most appropriate flap surgery. Advice is also given on how to prevent permanently disabling restriction of joint movement as a result of contractures and how to achieve good aesthetic reconstruction. This atlas is designed to appeal to a wide audience, from beginners to specialists. It will prove invaluable for doctors of every kind who deal with wound management.
This textbook offers a comprehensive guide to interventional radiology (IR) for medical students, residents, nurse practitioners, physician assistants, and fellows. IR is constantly evolving to meet the growing demands of patient care by applying cutting-edge technology to minimally invasive image-guided procedures. A dynamic specialty, interventional radiology has gained significant traction and interest in recent years, with combined IR/DR residencies rising to meet the increasing demand. This book addresses this growing need for a reference in IR, allowing students to gain a solid foundation to prepare them for their careers. The book is divided into two main sections, with many images and key point boxes throughout that offer high-yield pearls along with the specific How To's necessary for practice. The first section is designed to give readers an introduction to IR, including radiation safety, commonly used devices, patient care, and anatomy. The second portion divides into sections covering major body areas, diseases, conditions, and interventions. These chapters cover procedures including pathophysiology, indications for treatment, as well as alternative treatments before delving into interventional therapy. IR Playbook gives medical students, residents, and trainees a full perspective of interventional radiology.
The ultimate guide to navigating and treating brainstem pathologies from master neurosurgeon Robert Spetzler The brainstem is one of the last bastions of surgical prohibition because of its densely packed ascending and descending tracts and nuclei carrying information to and from the brain. Although 10% of all pediatric tumors and 5% of all vascular anomalies occur in the brainstem, neurosurgeons have traditionally resisted dissecting lesions in this area. Recent advances in imaging, microscopy, anesthesia, and operative techniques have expanded the treatment paradigm for this most eloquent region of the brain. Surgery of the Brainstem, by internationally renowned neurosurgeons Robert F. Spetzler, M. Yashar S. Kalani, and Michael T. Lawton, along with an impressive cadre of global experts, is a comprehensive guide to managing disorders of the brainstem, thalamic region, and basal ganglia. Organized in seven sections with 33 chapters, the text opens with four sections covering a variety of topics. Section I presents the history of brainstem surgery; Section II examines anatomy, development, and pathology; Section III reviews patient examination, imaging, and monitoring; and Section IV provides a succinct overview of surgical approaches. Sections V-VII cover a wide range of adult and pediatric tumors, ischemia, stroke, aneurysms, arteriovenous malformations, and cerebral cavernous malformations. More than 300 high-quality clinical images and medical illustrations enhance the text. Key Highlights A full spectrum of treatment modalities and outcomes, including open surgery, endoscopic approaches, stereotactic radiosurgery, radiotherapy, endovascular techniques, and revascularization An anatomy chapter featuring stunning Rhoton-style anatomical dissections delineates critical landmarks in the brainstem, thalamus, pineal region, and cranial nerves Detailed discussion of patient positioning and exposure of various brainstem domains Pearls on overcoming psychological, pathological, and anatomical barriers and managing complications Understanding the basic anatomy, pathology, and clinical complexities of the brainstem and thalamic regions is essential for safe navigation and treatment. This remarkable book will provide neurosurgeons with additional insights on performing resections and achieving the best possible outcomes for patients with pathologic conditions in this delicate region.
Atlas of Surgical Techniques in Trauma
Cerebral Revascularization: Microsurgical and Endovascular Techniques

Pharmacotherapeutics for Advanced Practice
cumulative listing
Bone and Joint Infections
Molecular and Cellular Basis of Disease