

Surgical Anatomy And Techniques To The Spine Expert Consult Online And Print 2e

Dedicated guide to the lumbar plexus provides invaluable anatomical and surgical insights. Thorough knowledge of the lumbar plexus and its branches is crucial to achieving positive patient outcomes, especially with newer surgical approaches. Many of the nerve branches are formed within the psoas major muscle and careful dissection is necessary to free them during surgery to prevent damage. Moreover, the iliac vessels are medial to some of the larger branches of the plexus, such as the femoral and obturator nerves. In the retroperitoneal space, the kidney and ureter are nearby. In addition, due to the overlying peritoneal cavity and its contents, accessing the lumbar plexus presents considerable challenges. *Surgical Anatomy of the Lumbar Plexus* is the only book on the market devoted to the lumbar plexus and its branches, focusing on anatomy and clinical applications, pathology, surgery, and imaging.

Internationally known authors R. Shane Tubbs, Marios Loukas, Amgad Hanna, Rod Oskouian and a cadre of esteemed specialists provide unique insights, clinical pearls, knowledge based on thousands of spine surgeries, and a well-rounded multidisciplinary perspective. **Key Highlights** Nine separate chapters

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dedicated to impacted nerves: subcostal, iliohypogastric, ilioinguinal, lateral femoral cutaneous, genitofemoral, femoral, obturator, furcal, and accessory obturator History and overview of dermatomal anatomy of branches derived from the lumbar plexus Anesthetic blockade of the femoral, lateral femoral cutaneous, iliohypogastric, ilioinguinal, and genitofemoral nerves Tips for preventing complications and achieving positive outcomes for lateral transpsoas approaches to the lumbar spine and other procedures More than 100 novel illustrations provide clarity and understanding of a complex anatomical area as it relates to surgery involving the lumbar plexus and branches This one-of-a-kind resource provides crucial surgical and anatomical information on the lumbar plexus. It is a must-have reference for neurosurgeons, orthopaedic surgeons, and general surgeons. Reading it cover-to-cover will ultimately benefit patients undergoing lumbar spine surgery.

In *Reconstructive Surgery: Anatomy, Technique, and Clinical Applications*, Drs. Zenn and Jones pay full deference to Mathes and Nahai's original contribution to the field while adding their own considerable expertise to this topic. The authors are assisted by a select group of internationally recognized contributors who provide expert commentary on clinical cases. Together, these leading surgeons share their vast experience and insights on techniques for reconstructing all

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anatomic regions. This two-volume set features superb medical illustrations that depict important flap anatomy as well as the step-by-step surgical technique for each of the operations described. Highlights: Features a select group of expert contributors who cover a range of reconstructive options in each anatomic area Presents hundreds of cases demonstrating clinical applications Provides a systematic approach to flap selection and step-by-step instructions for dissection Uses an outline format highlighting key anatomic features Contains thousands of color photos, cadaver dissections, radiographs, and medical illustrations Includes four DVDs with videos demonstrating cadaver dissections for all major flaps Offers clinical caveats and tips and tricks throughout Each chapter follows a distinct and consistent format, beginning with key anatomic landmarks and includes vascular anatomy, design and markings, guidelines for dissection, arc of rotation, flap transfer, inset and closure, and clinical applications. Each chapter concludes with clinical pearls and pitfalls along with commentary provided by a noted expert in the area. Like its predecessor, the book is essential reading for residents and a must for any professional performing reconstructive surgery. Its clear organization, generous use of illustrations, and surgical guidance will improve surgical outcomes for a range of patients.

Netter's Surgical Anatomy and Approaches, 2nd Edition, provides a clear

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overview of the exposures, incision sites, surgically relevant landmarks, structures, fascial planes, and common anatomical variants relevant to general surgical operative procedures. Whether used in class, in the lab while learning anatomy, or in the operating room as a trusted reference, this highly visual resource presents unmatched surgical anatomy illustrations by world-renowned surgeon-artist, Frank H. Netter, MD, and new illustrations created in the Netter tradition, as well as surgical exposures, intraoperative photographs, and radiologic imaging. Discusses procedures and anatomy from a surgeon's point of view. Features new content throughout, including more intraoperative imaging (both open and minimally invasive), more surgical views, and new coverage of POEM/POP/upper GI endoscopy and ERCP; esophagogastrectomy; laparoscopic Whipple; rectal prolapse; TEMS/TATME; sigmoid colectomy; oncoplastic mammoplasty; and retroperitoneal lymph node dissection. Presents uniquely detailed artwork of Dr. Netter, Dr. Carlos Machado, and other anatomy illustrators working in the Netter tradition combined with endoscopic, laparoscopic, and radiologic images—all integrated with expert descriptions of each operative procedure. Offers access to more than 30 videos that highlight anatomy relevant to the procedures.

This new second edition of the best-selling Atlas of Microvascular Surgery is

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updated with the latest information on harvesting, fabricating, and dissecting vessels in all areas of the body. It features coverage of 45 donor sites with thorough review of anatomy and potential anatomic variations; step-by-step instructions for 110 techniques for flap harvesting and fabrication, including many of the perforator flap harvesting details; and descriptions for 39 procedures for exposure of recipient site vessels. Highlights of the second edition: More than 650 color illustrations, including 115 new drawings, provide a visual guide to anatomy and possible variations Clear descriptions of 110 different flap-harvesting techniques, from planning and designing to harvesting surgical free flaps Discussion of perforator flaps based on the deep inferior epigastric artery, superior and inferior gluteal arteries, thoracodorsal artery, and lateral circumflex femoral artery Insightful review of the clinical indications for, as well as the advantages and disadvantages of, using specific donor sites helps the surgeon to approach each dissection with confidence Easy-to-reference organization according to upper extremity, lower extremity, trunk, and head and neck All plastic and reconstructive surgeons, orthopedic surgeons, hand surgeons, neurosurgeons, and residents in these specialties will benefit from the wealth of information in this landmark book.

The author of a number of acclaimed, best-selling surgical atlases has

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collaborated again with an award-winning artist to produce another invaluable surgical resource. This highly regarded team provide a master-class in the demonstration of surgically relevant anatomy. Masquelet has attained world-renown in particular for his innovative flaps for reconstructive plastic surgery of the limbs, in this book he displays his unrivalled knowledge of surgery of the trunk, head, and neck. Every point of entry in required surgical procedures is described, and every procedure is illustrated with a sequence of drawings, displayed as the surgeon would see them, together with anatomical cross-sections.

In today's surgical environment, open operations have declined in frequency, but the need for a practical, superbly illustrated reference in this area is still great. Ideal for both trainee and experienced surgeons, *Surgical Anatomy and Mastery of Open Operations: A Multimedia Curriculum for Training Residents* achieves this goal with expert coverage of essential open procedures, both common and uncommon. In print and on video, this "go to" resource includes clinical highlights, practical tips, and detailed illustrations.

Netter's *Surgical Anatomy Review P.R.N.* is the easiest and most convenient way to refresh need-to-know anatomy for surgeons-in-training. Vibrant, detailed artwork by preeminent medical illustrator Frank H. Netter, MD makes it easy to

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visualize the anatomy that underlies the procedures and clinical conditions you see during a surgical residency or clerkship. This concise, instant review of anatomy and clinical correlates is perfect for "just in time" use. Didactic Netter illustrations provide clear informative visuals for quick understanding of anatomical relationships. Pathologic clinical anatomy key points make the anatomy as relevant as possible to each diagnosis and procedure covered. Concise, bulleted explanations enhance understanding of clinical implications. Updates include new chapters on heart and lung anatomy, diagnoses, and procedures.

The use of endoscopic orbital surgery is rapidly expanding in modern day rhinology and oculoplastic practice. In the past two decades, endoscopic techniques have been adapted for lacrimal and orbital surgery. Significant advances have been made in endoscopic endonasal and periorbital approaches to the orbital apex and skull base, especially in the last 3 years. There has been no book dedicated to these recent surgical innovations until *Endoscopic Surgery of the Orbit: Anatomy, Pathology, and Management* by Benjamin Bleier, Suzanne Freitag, and Raymond Sacks filled this void. This landmark text and its accompanying videos bring together the global experience of thought leaders and pioneers with multidisciplinary backgrounds. The collective expertise shared

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throughout 20 chapters codifies the current state of endoscopic orbital surgery and sets the stage for future developments. The opening chapters cover anatomy, physiology, and radiologic aspects pertaining to the orbit, paranasal sinuses, and surrounding structures. Subsequent chapters detail evaluation and endoscopic management of a full spectrum of pathologies utilizing orbital and optic nerve decompression, reconstruction, transorbital approaches, and anesthetic techniques. Key Features State-of-the-art evidence-based medicine including the pros and cons of different treatment approaches Management of operative complications such as sinusitis and iatrogenic intraorbital injury, and postoperative challenges Pathology-specific topics including congenital and acquired lacrimal obstruction, thyroid-related eye disease, trauma, orbital neoplasms, and skull-base neoplasms with orbital involvement 138 original illustrations help elucidate complex anatomy High definition, narrated surgical videos delineate specific surgical techniques This is a must-have resource for otolaryngologists in rhinologic and general practice and ophthalmologists in general and oculoplastic practice. It will also benefit neurosurgeons and plastic & reconstructive surgeons. The comprehensive text, clinical pearls, and accompanying videos facilitate incorporating these techniques into practice, whether one is a surgical trainee or veteran practitioner.

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Systematic and practical, this book describes all relevant flap plasties of the hand and the upper extremity, both conventional and micro-vascular. The introduction presents the anatomical situation. Based on this, the various therapeutic procedures are explained in a clear, streamlined manner. An overview of differential therapies complements the work. Seven hundred illustrations and anatomical diagrams show what really matters.

Features high-quality illustrations and new surgical techniques for treatment of injured, diseased, or deformed hands.

The second edition of Atlas of Skull Base Surgery and Neurotology presents an up-to-date reference for the latest techniques in the challenging area of skull base surgery.

Prepared by preeminent hand surgeons and a master medical illustrator, this text/atlas is the most comprehensive reference on surgical anatomy of the hand and upper extremity. It features 500 full-color photographs of fresh cadaver dissections and 1,000 meticulous drawings that offer a realistic, detailed view of the complex anatomy encountered during surgical procedures. The text is thorough and replete with clinical applications. A Systems Anatomy section covers the skeleton, muscles, nerves, and vasculature. A Regional Anatomy section demonstrates anatomic landmarks and relationships, surgical approaches, clinical correlations, and anatomic variations in each region. An Appendix explains anatomic signs, syndromes, tests, and eponyms.

Publisher's Note: Products purchased from 3rd Party sellers are not guaranteed by the Publisher for quality, authenticity, or access to any online entitlements included with the product. Part of the highly regarded Master Techniques in Orthopaedic Surgery series, Relevant Surgical Exposures, Second Edition, is a concise, lavishly illustrated reference

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designed to assist today's orthopaedic surgeons in a crucial task: choosing and executing the exposure necessary for a given procedure. It presents successful, widely used exposures for hand and wrist, forearm, elbow, humerus, shoulder, pelvis, hip and acetabulum, femur, knee, tibia and fibula, foot and ankle, and spine, all in step-by-step detail. Fully revised with new exposures, anatomic dissections, and illustrations throughout, as well as a section on preferred exposures for trauma, this Second Edition is ideal for orthopaedic surgeons at all levels of experience.

Featuring an expanded focus on in-demand endoscopic and minimally invasive spine procedures, *Surgical Anatomy and Techniques to the Spine, 2nd Edition* pairs new anatomic photographs and radiographic images with expertly rendered color illustrations and clear, step-by-step descriptions to help you effectively perform all of the latest and most effective spine surgery techniques. A multidisciplinary approach makes this medical reference book relevant and informative to all surgeons regardless of their specialty or level of surgical experience with the spine. Proceed with confidence. An atlas-style format featuring clear, concise, step-by-step descriptions of the anatomy and procedures along with clinical hints and pearls, tables, and management algorithms providing swift answers and trusted guidance. Sharpen your surgical acumen with a deeper understanding of the anatomy of the surgical target and related anatomy. Comprehensive information on cervical, cervical/thoracic, thoracic/lumbar, lumbar spine, lumbar/pelvis, and other surgical locations ensures the best approaches to spine surgery and results. Understand the spine from all angles with multiple-viewpoint, full-color photographs, and illustrations.

Surgical anatomy of the lateral transpsoas approach to the lumbar spine E-Book

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Get expert, step-by-step guidance on a wide variety of both open and interventional cardiac surgical techniques. *Atlas of Cardiac Surgical Techniques, 2nd Edition*, helps you expand your surgical repertoire and hone your skills with a vividly illustrated, easy-to-navigate text and pearls and pitfalls throughout. This revised atlas covers the surgical procedures you need to master, including minimally invasive techniques, robotic surgery, aortic dissection, and much more. Seven brand-new chapters cover Hybrid Coronary Revascularization, Aortic Valve Repair Techniques, Transcatheter Aortic Valve Replacement, Robotic Mitral Valve Surgery, Surgery for Hypertrophic Cardiomyopathy, Approaches and Techniques to Extra-Corporeal Membrane Oxygenation, and Pulmonary Endarterectomy. Multiple new contributing authors offer a fresh perspective in their areas of expertise. A consistent chapter format guides you quickly from surgical anatomy and preoperative considerations through operative steps and postoperative care. More than 400 full-color images, line drawings, and intraoperative photographs clearly depict the step-by-step progression of procedures.

Part of the highly regarded *Master Techniques in Orthopaedic Surgery* series, *Fractures, Fourth Edition*, is a concise, lavishly illustrated reference covering the most advanced, successful surgical techniques for fractures of the upper extremity, lower extremity, pelvis, and acetabulum—all in step-by-step detail. This fully revised edition presents the preferred techniques of surgical masters, illustrated with full-color, sequential, surgeon's-eye view intraoperative photographs, as well as superb drawings by noted medical illustrators. New and

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rewritten chapters keep you fully up to date with recent changes in the field.
Surgical Anatomy and Technique A Pocket Manual Springer Science & Business Media

A good knowledge of anatomy helps surgeons avoid anatomical complications, while masterful technique allows them to proceed rapidly and securely in the operating room. Unlike other pocket-sized surgical texts on the market, Surgical Anatomy and Technique manual provides step-by-step techniques of a wide range of general surgery procedures and reviews the anatomical entities involved in each operation. The book's scope spans the entire body: skin and scalp, neck, breast, abdominal wall and herniae, diaphragm, esophagus, stomach, duodenum, pancreas, small intestines, appendix, colon and anorectum, liver, extrahepatic biliary tract, spleen, adrenal glands, carpal tunnel, and varicosities of the lower extremity. A chapter on laparoscopic surgery is also included. Clear, concise, and generously illustrated, this is a superb quick reference to refresh the memory of the surgical resident before entering the operating room.

The introduction of new techniques for both open and endoscopic surgery during the last decennium has stressed the need for an updated fundamental surgical anatomical textbook for both residents and surgeons. As exposures of these new techniques often differ from conventional approaches, this book is based on a

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regional- rather than an operation-oriented approach, validating it for the future. Surgical Anatomy of the Abdomen has been written with the aim of providing a thorough and accessible text. To achieve this, a new format using color-mediated legends and modern-style drawings has been chosen. Because the impact of anatomical teaching programs at medical schools has decreased during the past decade, the contributions to this book of many internationally renowned experts underline their shared concern regarding the importance of accessing up-to-date information about fundamental surgical anatomical knowledge in modern surgical practice. The authors who are an experienced surgeon and an anatomist hope that Surgical Anatomy of the Abdomen, by allowing the context to be grasped more easily without the need for memorizing details, will stimulate appreciation of surgical anatomy in the field of abdominal surgery.

Learn state-of-the-art MIS techniques from master spine surgeons! Significant advances have been made in minimally invasive spine (MIS) surgery approaches, techniques, and innovative technologies. By preserving normal anatomic integrity during spine surgery, MIS approaches enable spine surgeons to achieve improved patient outcomes, including faster return to normal active lifestyles and reduced revision rates. Exposing only the small portion of the spine responsible for symptoms via small ports or channels, requires a deep

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understanding of spinal anatomy and spinal pathophysiology. Building on the widely acclaimed first edition, *An Anatomic Approach to Minimally Invasive Spine Surgery, Second Edition*, provides an expanded foundation of knowledge to master minimally invasive spine surgery. World-renowned spine neurosurgeons Mick Perez-Cruet, Richard Fessler, Michael Wang, and a cadre of highly regarded spine surgery experts provide masterful tutorials on an impressive array of cutting-edge technologies. Organized by seven sections and 51 chapters, the book presents a diverse spectrum of current safe and efficacious MIS procedures and future innovations. Nonsurgical approaches include injection-based spine procedures and stereotactic radiosurgery. Surgical technique chapters discuss MIS anterior, posterior, and lateral approaches to the cervical, thoracic, and lumbar spine, with procedures such as endoscopic microdiscectomy, vertebroplasty and kyphoplasty, percutaneous instrumentation, and robotic spine surgery. Key Features Step-by-step illustrations, including more than 400 depictions by master surgical and anatomic illustrator Anthony Pazos portray the surgeon's-eye-view of anatomy, intraoperative images, and surgical instruments, thereby aiding in the understanding of anatomy and procedures 20 online videos feature real-time operative fluoroscopy, pertinent anatomy, operative set-up, and common cervical, thoracic, and lumbar approaches Discussion of novel MIS

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techniques reflected in 16 new or expanded chapters, including Robotic Assisted Thoracic Spine Surgery and Stem-Cell Based Intervertebral Disc Restoration There is truly no better clinical reward for spine surgeons than giving patients suffering from debilitating spinal disorders their life back. This quintessential MIS surgery resource will help surgeons and clinicians accomplish that goal.

Comprehensive Overview of Modern Surgical Approaches to Intrinsic Brain Tumors addresses limitations in the scientific literature by focusing primarily on surgical approaches to various intrinsic neoplasms using diagrams and step-by-step instructions. It provides the advantages and disadvantages of these approaches, controversies, and technical considerations and discusses topics such as anatomy, pathology and animal models, imaging, open brain tumor approaches and minimally invasive approaches. Additionally, it discusses controversial treatments and the pros and cons of each. This book is a valuable source for medical students, neurosurgeons and any healthcare provider who has an interest in brain tumors and techniques to treat them. Provides a comprehensive review of different approaches, explaining them step-by-step Includes diagrams that show surgical approaches Presents the advantages and disadvantages of each approach to aid in decision-making

Prepared by residents and attending physicians at Beth Israel Deaconess

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Hospital, Pocket Surgery, follows the style of Pocket Medicine, one of the best-selling references for medical students, interns, and residents. This pocket-sized loose-leaf resource can be used on the wards and by candidates reviewing for board exams. In bulleted lists, tables, and algorithms, Pocket Surgery provides key clinical information about common surgical conditions in all areas of surgery, including breast, critical care, cardiothoracic, gastrointestinal, colorectal, vascular, pediatric, plastic, transplant, transplant, and endocrine.

Winner of the prestigious First Prize in ENT in 2005 from the British Medical Association (first edition)The second edition of this operative manual provides expanded coverage of the complex anatomy and the current surgical approaches to the paranasal sinuses and skull base. It provides practical, step-by-step instruction on using CT scans to reconstruct three-dimensional images of surgical anatomy, enabling the surgeon to develop detailed surgical plans for each clinical situation. The accompanying DVD is greatly expanded from the first edition's CD-ROM, with 30 additional operative videos plus new problem-based exercises. The operative videos enable practitioners to visualize the surgical concepts described and illustrated in the text. Case exercises provide the opportunity to apply knowledge learned to perform three-dimensional reconstructions--a valuable tool for self-assessment.Highlights of the second edition: Extensive

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presentation of all the anatomical variations and surgical approaches to the sinuses, parasinus regions, and posterior, middle, and anterior cranial fosse
Straightforward outlines for approaching the frontal sinus and frontal recess, maxillary sinus trephination, dacryocystorhinostomy surgery, cerebrospinal fluid leak closure, orbital and optic nerve decompression, and Vidian neurectomy 830 diagrams, illustrations, and images demonstrating anatomy and surgical techniques Detailed coverage of endoscopic surgical approaches to tumors of the sinuses and in the intracranial cavity Discussion of the value and importance of axial CT for determining drainage pathways Essential for ENT surgeons, otolaryngologists, and residents, the book equips readers with all the information necessary for handling the range of anatomical variations that may be encountered and selecting the best approach for each.

One-of-kind textbook provides comprehensive tutorial 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 surgical 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

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pre-surgical training and planning, patient positioning, and basic techniques. Subsequent sections detail cranial approaches; transpetrosal approaches; endonasal, transoral, and transmaxillary 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 precaruncular 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.

This new edition has been fully revised to provide spine surgeons with the latest advances in their field. Beginning with an overview of surgical anatomy of the spine, the following chapters describe numerous surgical techniques for each section of the spine – cervical, thoracic, and lumbosacral. The text covers both traditional and new procedures, and includes discussion on recent technologies such as disk arthroplasty and minimally invasive techniques. The final section of this comprehensive volume focuses on associated practices including graft harvesting, discography, and cement augmentation. Authored by renowned experts in the field,

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this guide is enhanced by clinical photographs and diagrams. A list of 'key points' summarises the most important aspects in each chapter. Previous edition (9789350903261) published in 2013. Key points Fully revised, new edition presenting latest advances in spinal surgery Covers techniques for each section of the spine Authored by internationally recognised, US-based experts in the field Previous edition (9789350903261) published in 2013 Unique in the field, *Surgical Implantation of Cardiac Rhythm Devices* provides complete, easy-to-follow guidance for safe, effective surgical implantation of pacemakers, ICDs, and other devices. Beginning with surgical anatomy and surgical principles, expert authors provide thorough coverage of surgical technique and procedures – everything from sutures to special circumstances and complications. Detailed, high-quality illustrations show you exactly how to proceed, and each procedure includes an accompanying video clip online. Outlines relevant anatomic structures and landmarks, as well as various types of sutures and instruments. Provides authoritative, detailed guidance on transvenous lead placement, including novel or alternative placements, as well as implantation of subcutaneous ICDs. Covers tools and techniques, anesthesia, radiation safety, pitfalls and complications, tips and pearls, patient preparation, postoperative patient management, and follow-up care. Offers expert coverage of pediatric considerations and other special circumstances. Allows you to view surgical procedures and relevant anatomy in video clips online, as well as through extensive, high-quality illustrations in the text. Ideal for EP fellows, practicing electrophysiologists, and cardiologists who perform surgical procedures to implant pacemakers, ICDs, and other devices.

The first work of its kind devoted to the surgical anatomy of the cervical plexus, *Surgical*

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Anatomy of the Cervical Plexus and Its Branches clearly explains and illustrates this important subset of peripheral nervous system anatomy. Ideal for physicians and residents from a wide range of medical and surgical disciplines, this unique title details new methods of imaging the cervical plexus, as well as its pathology and appropriate surgical approaches. Demonstrates the surgical anatomy of each branch of the cervical plexus using fresh cadaveric dissections. Color-codes nerves to differentiate them from other tissues and dissects them in a layer-by-layer manner. Compiles the knowledge and expertise of renowned clinical anatomists and researchers in this key area of surgical anatomy.

Current Techniques in Canine and Feline Neurosurgery offers state-of-the-art, detailed guidance on performing neurosurgical techniques in dogs and cats, from indications and surgical anatomy to procedures and post-operative care. Presents an up-to-date, detailed reference on veterinary neurosurgery techniques, covering skills ranging from basic to advanced Provides guidance on why, when, and how to perform neurosurgical procedures Includes information on diagnostic evaluation, surgical planning, and instrumentation as well as step-by-step descriptions of specific procedures Copublished with the American College of Veterinary Surgeons Foundation and American College of Veterinary Internal Medicine Offers video clips on a companion website

A Handbook of Operative Surgery and Surgical Anatomy with Chapters on Instruments presents the methods, techniques, and instruments used in operative surgery and surgical anatomy. The book covers broad aspects of surgical procedures and methods that are practiced in operating rooms. The text provides instructions and details on operations on various parts of the body such as the stomach, neck, central and sympathetic nervous

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systems, bones, and thorax. Methods of amputations, ligation of arteries, selection and use of instruments for operations and the electro-surgical methods of operation are elaborated as well. Surgeons, physicians, and those working in medical operating rooms will find the text invaluable.

Featuring an easy-to-access, highly visual approach, *Atlas of Vascular Surgery and Endovascular Therapy* offers the comprehensive, step-by-step guidance you need to achieve optimal outcomes in the treatment of venous disorders. Covering the full range of diseases/disorders most important to vascular surgeons, this full-color atlas presents over 100 common and complex procedures, including open and endovascular techniques, with an emphasis on anatomy and imaging studies as they apply to each technique. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Know what to do and expect with comprehensive coverage of almost every procedure you might need to perform. Find answers fast thanks to a consistent and logical chapter structure. (Indications, Surgical Anatomy, Preoperative Considerations, Operative Steps, Postoperative Considerations, Pearls & Pitfalls, and References) Review key techniques prior to performing surgery. Clinical images capture key moments in procedures including: surgical repair of a suprarenal aortic aneurysm; surgical repair of thoracoabdominal aortic aneurysm; endovascular treatment of aneurysms of the juxtarenal and pararenal aorta; surgical exposure and harvest of the femoropopliteal vein; and endovascular treatment of aortic arch vessels, subclavian and axillary artery. Visualize every procedure thanks to more than 1,000 full-color illustrations; including procedural photos and beautifully illustrated drawings that highlight the relevant anatomy and techniques in specific treatments. Prevent and plan for complications

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prior to a procedure thanks to a step-by-step approach to each procedure accompanied by relevant imaging studies. Glean all essential, up-to-date, need-to-know information about hot topics including: management of peripheral arterial disease; aortic aneurysms/aortic dissection; lower extremities/critical limb ischemia; and infra-inguinal occlusive disease.

Enhance your OMS surgical skills with Atlas of Oral and Maxillofacial Surgery! This practical guide, written by respected international contributors and edited by OMS experts Deepak Kademani and Paul Tiwana, offers detailed, step-by-step instructions and over 2,000 full-color illustrations that demonstrate how to plan for and perform oral and maxillofacial surgical procedures safely and efficiently. Comprehensive coverage addresses the broad scope of the specialty, ranging from the surgical anatomy of the head and neck to oral surgery, implant surgery, orthognathic and craniofacial surgery, cleft lip and palate, craniomaxillofacial trauma, management of head and neck surgery, reconstructive procedures, TMJ surgery, and aesthetic facial surgery. A comprehensive approach to OMS operative procedures offers practical guidance to the management of patients with oral and maxillofacial disorders, with each surgical procedure chapter approximately six to eight pages in length and covering the following topics: armamentarium, history of the procedure, indications for use of the procedure, limitations and contraindications, technique, alternate or modified technique, avoidance and management of intraoperative complications, and postoperative considerations. Detailed, step-by-step approach shows how to perform OMS surgical procedures safely and efficiently. Coverage of alternative and modified techniques addresses options other than the standard techniques. A full-color design makes the text easier to navigate. Expert, international contributors provide authoritative guidance on the OMS procedures they typically perform.

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Written and edited by expert surgeons in collaboration with a world-renowned anatomist, this exquisitely illustrated reference consolidates surgical, anatomical and technical knowledge for the entire human body in a single volume. Part of the highly respected Gray's 'family,' this new resource brings to life the applied anatomical knowledge that is critically important in the operating room, with a high level of detail to ensure safe and effective surgical practice. Gray's Surgical Anatomy is unique in the field: effectively a textbook of regional anatomy, a dissection manual, and an atlas of operative procedures – making it an invaluable resource for surgeons and surgical trainees at all levels of experience, as well as students, radiologists, and anatomists. Brings you expert content written by surgeons for surgeons, with all anatomical detail quality assured by Lead Co-Editor and Gray's Anatomy Editor-in-Chief, Professor Susan Standring. Features superb colour photographs from the operating room, accompanied by detailed explanatory artwork and figures from the latest imaging modalities - plus summary tables, self-assessment questions, and case-based scenarios – making it an ideal reference and learning package for surgeons at all levels. Reflects contemporary practice with chapters logically organized by anatomical region, designed for relevance to surgeons across a wide range of subspecialties, practice types, and clinical settings – and aligned to the requirements of current

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trainee curricula. Maximizes day-to-day practical application with references to core surgical procedures throughout, as well as the 'Tips and Anatomical Hazards' from leading international surgeons. Demonstrates key anatomical features and relationships that are essential for safe surgical practice - using brand-new illustrations, supplemented by carefully selected contemporary artwork from the most recent edition of Gray's Anatomy and other leading publications. Integrates essential anatomy for robotic and minimal access approaches, including laparoscopic and endoscopic techniques. Features dedicated chapters describing anatomy of lumbar puncture, epidural anaesthesia, peripheral nerve blocks, echocardiographic anatomy of the heart, and endoscopic anatomy of the gastrointestinal tract – as well as a unique overview of human factors and minimizing error in the operating room, essential non-technical skills for improving patient outcomes and safety.

Hundreds of high-quality intra-operative photos of fresh human cadavers create a uniquely realistic step-by-step guide to surgical trauma procedures.

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

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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 fulfils its author's hopes to make, in his words, the "delicate, fateful, 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:

- Micro-operative techniques and instrument selection
- 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.
- Anatomy and approaches to the posterior cranial fossa and posterior cranial base, including chapters on the fourth ventricle, tentorial incisura, foramen magnum, temporal bone, and jugular foramen
- Supra- and infratentorial areas, including chapters on the cerebrum and cerebellum and their arteries and veins

Provides an expert, illustrative guide to the full array of common and contemporary surgical approaches in orthopaedics. Organized by anatomical region and by procedure, it provides overviews of regional anatomy, cross-sectional anatomy, landmarks, and hazards; plus patient positioning, incisions,

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superficial and deep dissection and closure for each approach. The book includes the very latest advances in arthroscopic, mini-incision and computer-assisted techniques. Plus a bonus DVD features narrated video clips of surgical approaches. Provides over 1,000 original full color drawings and color photographs depicting the full range of contemporary surgical approaches used in orthopaedics. Organized by anatomical region (including a review of regional anatomy, cross-sectional anatomy, landmarks and hazards), and then by procedure, making reference a snap. Supplies an up-to-date anatomic review of surgical approaches including new advances in arthroscopy, mini-open, robotic, and computer-assisted techniques.

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