

# Atlas Of Vascular Surgery Basic Techniques And Exposures

Atlas of Vascular Surgery and Endovascular  
Therapy Anatomy and Technique Saunders

This must-have manual for surgical residents and vascular surgery trainees is copiously illustrated with more than 250 original line drawings. The author presents in a step-by-step fashion the techniques for all common vascular reconstructions, basics of exposure and access, as well as invaluable technical pearls and tips. The text provides the surgical trainee with the opportunity to review and practice the necessary vascular reconstructions before entering the operating room. The illustrations and clear instructions make this a manual that is referred to again and again throughout the surgical residency.

The classic step-by-step atlas of general surgery procedures – now in color and updated with the latest laparoscopic operations A Doody's Core Title for 2011! 1615 color-highlighted illustrations "...a beautifully illustrated atlas of modern surgical procedures....While in other atlases line drawings may simplify and operative photographs may add realism, the illustrations in this atlas allow the surgeon to visualize both the anatomy and the operation. Beyond this, the softly colored illustrations are aesthetically pleasing and invite reading of the accompanying narrative....In sum, while the ninth edition of Zollinger's Atlas of Surgical Operations differs from the early editions in many ways, it nonetheless evokes the enduring qualities of its predecessors and will guide yet another generation of surgeons."--JAMA For more than half-a-century, Zollinger's Atlas of Surgical Operations has been the gold-standard reference for learning how to perform the most common surgical procedures using safe,

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well-established techniques. The ninth edition continues this tradition of excellence with the addition of color illustrations and coverage of more than 230 procedures, including many of the most important laparoscopic operations. Following the proven effective design of previous editions, each procedure is fully explained on two pages. The right page contains beautifully rendered line drawings with color highlights that depict every important action a surgeon must consider while performing the operation. The facing page includes consistently formatted coverage of indications, preoperative preparation, anesthesia, position, operative preparation, incision and exposure, procedure, closure, and postoperative care. Features Coverage of gastrointestinal, hepatobiliary, pancreatic, vascular, gynecologic, and additional procedures, including hernia repair, vascular access, breast procedures, sentinel lymph node biopsy, thyroidectomy, and many more New: coverage of the latest laparoscopic procedures, including right and left colectomy, distal pancreatectomy with splenic preservation, right and left adrenalectomy, bariatric roux-en-Y gastric bypass and adjustable gastric banding, and more Time-tested, updated, and enhanced by color, Zollinger's remains the ultimate teaching atlas of surgery. Highly visual and packed with useful, practical information, Atlas of Endovascular Venous Surgery, 2nd Edition, provides real-world instruction on the evaluation, diagnostic imaging, and medical and endovascular surgical management of acute and chronic venous diseases. Dr. Jose Almeida, pioneering expert in the field and host of the annual International Vein Congress, along with other highly regarded practitioners, offers an authoritative understanding of what causes increased venous pressure and solutions for reducing venous hypertension. Detailed, full-color intraoperative illustrations capture key teaching moments, helping you better understand the nuances of surgery and improve your ability

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to perform cutting-edge procedures.

Hundreds of High-Quality Images Span the Entire Spectrum of Vascular Disease INCLUDES DVD WITH IMAGE BANK  
Color Atlas of Vascular Diseases is designed to help you properly identify and manage vascular diseases involving the arterial, venous, and lymphatic system. It offers a clinical and synoptic approach to the full range of diagnostic and therapeutic considerations in vascular diseases. You will find hundreds of state-of-the-art clinical, diagnostic, and interventional images, along with concise, bulleted text detailing the diagnosis and patient management. This unique combination atlas and learning text written by experts in the field, integrates the fields of vascular medicine, vascular surgery, and endovascular therapy in an effective, easy-to-learn fashion. Chapters feature succinct bulleted teaching points combined with photographs of vascular pathology. When appropriate, vivid arteriographic and ultrasonographic images are also included. Topics include: Lower Extremity Arterial Disease Aortic and Upper Extremity Arterial Disease Carotid Artery Occlusive Disease Aneurysmal Disease Non-Atherosclerotic Disorders Arteriovenous Visceral Disease Venous Disease Limb Swelling Vasospastic and Vasculitic Diseases Environmental Diseases Limb Ulcerations

Advance your surgical expertise with Atlas of Advanced Operative Surgery! This new resource picks up where other surgical references leave off, providing highly visual, step-by-step guidance on more than 100 advanced and complex procedures in both general and subspecialty areas. Visualize every procedure thanks to more than 1,000 illustrations, most in full color - including intraoperative photos, beautifully illustrated color drawings that highlight the relevant anatomy and techniques in specific surgeries, and radiologic images that help you identify variations in anatomy prior to surgery. Grasp each procedure and review key steps quickly with a

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consistent, highly focused, bulleted format. See the advantages and disadvantages of variations in technique with a Pro/Con section written by expert surgeons. Focus on the advanced practice skills that are of particular value to those poised to begin practice, as well as surgeons who are already in practice. Benefit from the masterful guidance of Dr. Vijay Khatri, a respected expert and experienced mentor of trainees, junior faculty, and community surgeons. Learn new procedures or refresh your memory on operative details prior to surgery with an easy-to-follow, step-by-step format: pre-operative preparation, operative technique, position, incision, main dissection, closure, alternative technical approaches (with pros/cons), and post-operative care.

Current Therapy in Vascular and Endovascular Surgery is an ideal medical reference book to consult for information in this ever-changing field! Thoroughly revised to reflect the most recent innovations in vascular and endovascular surgery, it features more than 150 chapters on topics new to this edition, and equips residents and practitioners alike with the latest procedures and techniques in this rapidly growing area. Internationally recognized experts present expanded coverage of a wide array of topics, keeping you abreast of all of today's developments! Consult this title on your favorite device, conduct rapid searches, and adjust font sizes for optimal readability. Quickly locate key information with concise, to-the-point chapters. Prepare for boards or certification exams through coverage that spans the entire spectrum of vascular surgery. Explore brand-new coverage of endovascular procedures and techniques. Learn from leaders in the field, including internationally recognized editors and numerous global experts in specialized disciplines. Access in-depth, detailed coverage of various vascular diseases, each sub-divided into discrete topics for a more focused approach. View procedures more clearly than ever before with the help

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of more than 800 full-color illustrations throughout.

Describes the most commonly performed procedures for peripheral arterial and venous disorders. Leading experts present their own personal approaches to the operations and highlight the key phases with the aid of illustrations. Particular intra-operative pitfalls are emphasized.

Atlas of Head and Neck Surgery, by Drs. James I. Cohen and Gary L. Clayman, delivers unparalleled visual guidance and insight to help you master the most important and cutting-edge head and neck procedures.

Clear, consistent black-and-white drawings and detailed text lead you through each step of all standard operations, while commentary from leading experts presents alternative techniques – complete with explanations about the differences, nuances, pearls, and pitfalls of each approach. Concise yet complete, this easily accessible text captures groundbreaking techniques such as video-assisted thyroid and parathyroid surgeries; transoral laser surgeries; and robotic surgeries. This surgical technique reference is an ideal resource for planning and performing successful head and neck surgery or preparing for the head and neck portion of the Otolaryngology boards. Understand how to proceed thanks to an abundance of explicit illustrations and detailed text that take you from one step to the next. Quickly find the information you need to make confident decisions. Relevant indications/contraindications, pre-operative considerations, and post operative management are presented in an easily accessible format. Discern the nuances and understand the differences between

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standard operations and alternate techniques. Experts debate each procedure offering insightful explanations, rationale, and tips for avoiding complications. Master new procedures such as video-assisted thyroid and parathyroid surgeries; transoral laser surgeries; and robotic surgeries. Section editor F. Christopher Holsinger, MD, FACS, is at the forefront of many of these techniques, some of which are being illustrated for the first time here. Learn from some of the very best - Experts from the MD Anderson Cancer Center and the Oregon Health & Science University (OHSU) share their innovative approaches to the surgical techniques and complications management most frequently seen in practice. Understand specific variations in anatomy as they apply to each procedure.

Through nine outstanding editions, Rutherford's Vascular Surgery and Endovascular Therapy has been the gold standard text in this fast-changing, complex field.

Published in association with the Society for Vascular Surgery, this state-of-the-art reference by Drs. Anton N. Sidawy and Bruce A. Perler is a must-have for vascular surgeons, interventionalists, vascular medicine specialists, and trainees, as well as general surgeons, interventional radiologists, and cardiologists that depend upon "Rutherford's" in their practice. It offers authoritative guidance from the most respected and innovative global thought leaders and clinical and basic science experts in the diagnosis and treatment of circulatory disease. Incorporates medical, endovascular, and surgical treatment, as well as diagnostic techniques, decision making, and fundamental vascular biology.

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Features all vascular imaging techniques, offering a non-invasive evaluation of both the morphology and hemodynamics of the vascular system. Provides unparalleled insight from multidisciplinary leaders worldwide, who share their expertise on the most appropriate contemporary and future treatment of circulatory disease. Employs a full-color layout and images so you can view clinical and physical findings and operative techniques more vividly. Includes 40 new chapters incorporating a shorter, more focused format with a summary for each chapter that provides a quick access to key information – ideal for consultation situations as well as daily practice. Some of these chapters are organized in new sections dedicated to open operative exposure and vessel dissection techniques, diabetic foot, Pediatric Vascular Disease, and practice management issues; areas in the specialty that clinicians frequently face but seldom detailed in other vascular texts nor in earlier Rutherford editions. Covers hot topics such as endovascular therapy of aortic arch and thoracoabdominal aortic aneurysm disease, including the evolving management of aortic dissections. Comprehensive Vascular and Endovascular Surgery, 2nd Edition, edited by John W. Hallett, Jr., MD, FACS, Joseph L. Mills, MD, Jonathan Earnshaw, DM, FRCS, Jim A. Reekers, MD, PhD, and Thom Rooke, MD delivers in-depth, clinically focused coverage of all aspects of vascular surgery in an exceptionally well-designed single reference. Each disease chapter follows the same consistent format, for quick consultation and better comprehension. The revised 2nd Edition features

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several new chapters, increased endovascular treatment coverage, and updated data from the latest trials...bringing you the newest advances from the field. More than 1,000 photographs, line drawings and tables-including many revised illustrations now in color-depict key concepts and procedures. With its practical user friendly approach-and online access through Expert Consult functionality-this resource offers convenient access to complete guidance. Presents the work of a team of nearly 80 internationally respected vascular surgeons and interventional radiologists who focus on the issues and challenges you face in everyday practice. Uses a highly structured, templated format in each chapter to quickly and consistently deliver information on basic science, clinical presentation, non-invasive testing, medical management, surgical management, complications, outcome, and follow up-making information easy to access and understand. Includes Key Points boxes in every chapter that allow for quick reference and efficient study. Features over 1,000 photographs, line drawings, charts and tables that make important information easy to comprehend. Integrates clinical information with basic science making the material relevant to everyday practice. Covers treatment and interventions from an evidence-based perspective, whenever possible. Provides short, clinical vignettes in the same style as those found on oral exams. Provides online access to the text via [expertconsult.com](http://expertconsult.com) where you can perform quick searches of the complete contents, download all of the images, further your study with bonus review and self assessment questions, and

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follow links to PubMed abstracts for convenient consultation wherever and when you need it most. Offers new chapters on vascular diagnosis, graft infections, aortic dissection, and visceral aneurysms for greater coverage of the field. Includes a significant increase in endovascular treatment coverage in many of the chapters, reflecting the growing need for experience in these procedures. Presents current data from DREAM and EVAR 1 and 2 trials. Features a revised artwork program-including many revised illustrations and former black and white images now in color-for an enhanced visual understanding of concepts. Includes bonus review and self assessment questions accompany the online version.

Atlas of Vascular Medicine provides concise overviews of current management of vascular diseases. The book covers the major areas of vascular medicine in eight sections. Each section includes a concise overview of the area, followed by discussions of the major disease entities within that area. Each disease entity is introduced by an illustrative case presentation and is followed by a detailed topic review including clinical features, laboratory and imaging workup, treatment and prognosis, clinical pearls, and discussion of differential diagnosis. The presentations are well illustrated to provide a visual, user-friendly approach. Each case presentation has been selected to provide representative examples of the most likely presentation in clinical practice, with complications and variants discussed in the management summary concluding the case. . Hemangiomas and superficial vascular malformations

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are disfiguring birthmarks that can occur over 65% of a child's body. This atlas will focus on the classification, multidisciplinary approach, recognition and identification, and treatment options for this class of pathology.

Vascular malformations, composed of malformed vessels, never regress and sometimes expand rapidly. They occur in any body part including viscera. They cause cosmetic problems, functional disability and can be life threatening and require radiologic imaging and pathology to recognize and perform differential diagnosis on various vascular anomalies. In addition, new techniques, including molecular biology procedures, have evolved allowing less invasive and a more effective approach to diagnosis and treatment.

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

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,

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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 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.

Vascular surgery has experienced remarkable growth and diversification in the last decade, especially with its embracing the disruptive endovascular technological revolution. Vascular surgeons remain the only group of specialists capable of total treatment of patients with vascular disease, providing medical, minimally invasive, and surgical therapy. Although vascular surgeons practice in all areas of the world, practice patterns in different areas naturally have both similarities and differences that reflect both regional patterns of disease, genetic characteristics of local peoples, cultural preferences for treatment, local political and economic situations, different access to resources and devices, as well as different training paradigms. Thus, the practice of vascular surgery has diversified and evolved in parallel in many areas, converging

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and diverging in many ways. *Vascular Surgery: A Global Perspective* provides the first review and comparison of the diversity of vascular surgery practice around the world. The book is grouped according to common vascular diseases such as aneurysmal and occlusive arterial disease, as well as venous and lymphatic disease and dialysis access. Each major disease topic includes multiple chapters written by expert specialists from around the world, each discussing their local approach to the disease and its treatment.

Similarly, the status of vascular surgery practice is addressed, including discussion of the influence of payment systems on practice, patient access to the internet for information, training paradigms, and the legal system including malpractice. This textbook provides the first worldwide summary of the care of patients with vascular disease and will be of interest to a wide audience including vascular surgeons, vascular medical specialists, cardiologists, radiologists, internists, and family practice physicians.

This companion volume to Rutherford's *ATLAS OF VASCULAR SURGERY* features hundreds of detailed line drawings that demonstrate specific procedures for virtually every clinical operation performed by vascular surgeons. An emphasis on the clinical setting and the scientific rationale for procedures helps readers make sound management decisions. Also examines clinical diagnosis and perioperative patient care. the knowledge and expertise of two highly respected experts in the field of vascular surgery. Offers comprehensive coverage of almost every procedure in use today. Discusses clinical pathophysiology, treatment indications, and management options at the beginning of each chapter. Explores multiple approaches to many operations--and discusses the advantages and limitations of each choice. Makes techniques easy to comprehend with 250 original illustrations done by award-winning medical

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illustrators. Focuses on one operation per chapter, and groups chapters according to disease processes, for ease of reference. Emphasizes the clinical setting and provides the scientific rationale to help readers make the best clinical decisions for their patients. Presents the full technical basis of modern vascular surgery when combined with its companion atlas by Dr. Rutherford, Atlas of Vascular Surgery: Basic Techniques and Exposure.

This book is intended to provide a detailed account of the technical aspects of present day arterial surgery. It is hoped that the book will be more than just a manual of operative procedures and that it will provide the reader with an overall strategic plan when faced with a vascular problem. Emphasis has been placed throughout on careful preoperative assessment particularly at the sites of arterial involvement so that the most appropriate reconstruction technique can be selected. Meticulous attention to operative detail during each stage of a vascular reconstruction remains the basis for success. For this reason the various procedures in this book are described in step-by-step fashion aided by a large number of drawings. An updated bibliography citing the work of other authors is also included. Vascular surgery by its very nature introduces changes in vessel compliance and geometry and these may be the starting point for subsequent complications. In addition, complications may occur as a result of progression of the underlying vascular disorder. An appreciable portion of this work has therefore been devoted to the prevention, recognition and treatment of these complications.

This atlas details the vascular anatomy seen on angiographic images and in the new imaging modalities. The book presents the complete anatomy of the arteries, veins, and lymphatic system by body region. Full-color drawings are correlated with angiographic images to guide evaluation and

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management of vascular disease and performance of endovascular procedures. For this Second Edition, Dr. Uflacker has added more than 100 pictures and extensively reviewed the anatomical description of the vascular system. He has expanded the cardiac chapter with new CTA and MRI images, added percutaneous access where needed, and expanded the coverage of lower extremity anatomy.

Revised, updated, and expanded for its Third Edition, *Anatomic Exposures in Vascular Surgery*, is an indispensable guide for the vascular surgeon planning an operation. This classic anatomic reference contains over 550 drawings by a renowned surgeon and illustrator depicting the complex anatomy of the vasculature and surrounding structures, and demonstrating the ideal exposure techniques. The original illustrations will be presented in full color to fully convey three-dimensional concepts of anatomic relationships of the blood vessels and their surrounding structures, which will help to guide surgical decision-making in vascular surgery. Concise legends and text describe the anatomy in relation to the surgical approach. The book is organized by body region, and chapters are divided into anatomic overview and surgical approach sections, which allows the book to be used for extensive study or quick review, depending on the needs of the reader. New sections to this edition include forearm compartment syndrome, forearm fasciotomy, and vascular exposure of the lumbar spine. New concepts regarding surgical approaches to the blood vessels are updated in each chapter along with up-to-date references.

The second half of the twentieth century saw vascular surgery develop from a necessity for hemostasis to a mature reconstructive art. However, this was accompanied by increasing patient expectations and The only

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certainty of the future is that it will bring the introduction of the alternative techniques of dilation and stenting. An essential requirement for facing that transition and stenting. These factors have helped surgery change is multidisciplinary teamwork, and within teams to focus attention on the need for clinical audit that framework to define the roles of endovascular and to define clearly the limitations and standards of minimally invasive procedures, as well as the place of minimally invasive excellence that should be achieved in the specialty. Vascular disease remains an extensive problem in the management of vascular disease.

In a concise manner, this book presents common surgical problems encountered by medical students and residents. The book provides easy access for residents before teaching rounds, lectures, etc. The algorithm approach lends itself to rapid learning, making the book a must for every surgical resident. Operative Techniques in Surgery is a new comprehensive, 2-volume surgical atlas that helps you master a full range of general surgical procedures. Ideal for residents as well as experienced surgeons, it guides you step-by-step through each technique using concise, bulleted text, full-color illustrations, and intraoperative photographs to clarify exactly what to look for and how to proceed.

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

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the treatment of venous disorders. Covering the full range of diseases/disorders most important to vascular surgeons, this full-color, one-volume, 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. 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 and 37 real-time video clips 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 prior to a procedure thanks to a step-by-step approach to

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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. Access the fully searchable contents of the book and procedural videos online at Expert Consult.

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

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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.

Original, crisp and clear line drawings further delineate the techniques explored in Dr. Rutherford's popular reference, VASCULAR SURGERY.

Following sections on basic techniques and vascular exposures, the reader can review such procedures as thromboembolectomy via the femoral artery, graft, aortobifemoral bypass for occlusive disease, and many more.

This text provides a comprehensive, state-of-the art review of complex endovascular aortic techniques. It will serve as a valuable resource for vascular and cardiovascular surgeons, interventionalists, cardiologists, clinicians, bioengineers and researchers with an interest in complex aortic diseases. The book reviews imaging modalities, diagnostic work up and novel endovascular approaches. Technical aspects are provided by experts in the field, with over 600 illustrations and photographs of key steps for each type of procedure. Results of epidemiologic studies and national

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databases are summarized, as well as large institutional experiences. An evidence-based approach is used for recommendations regarding best therapies. Other highlights of this unique text include: A new, state-of-the-art review on fenestrated, branched and parallel stent-graft techniques from procedure planning to stent design and implantation. A text dedicated to a topic that has been increasingly recognized by vascular specialists as a priority area in aortic management. An updated overview of current designs and future developments. Special attention to technical details of the procedures with use of illustrations. Technical tips on how to get out of problems during these challenging procedures. Endovascular Aortic Repair: Current Techniques with Fenestrated, Branched and Parallel Stent-Grafts will serve as a very useful resource for physicians and researchers dealing with and interested in complex aortic diseases. It will provide a concise yet comprehensive summary of the current status of the field that will help guide patient management and stimulate investigative efforts. All chapters are written by experts in their fields and include the most up to date scientific and clinical information.

Now greatly expanded to include all common open surgical and endovascular interventions for both arterial and venous diseases, *Clinical Scenarios in Vascular Surgery, 2nd Edition*, is ideal both for

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general surgery residents and surgeons in practice. You'll explore 124 case scenarios, each presented in an easy-to-digest format, designed to be read in one sitting. After each case, there are two multiple choice questions that allow for a self-assessment of the case material. With nearly twice the number of chapters as the first edition, this updated text reflects the tremendous advancements that have been made in the diagnosis and treatment of vascular disease, including the new terminology, tests, and procedures that every contemporary surgeon needs to know. The Atlas of General Surgery is a highly practical, how-to reference for the most frequently performed operations. The book opens with a section on general aspects of surgery, such as the application of sutures, drains, catheters, venous ports, and punctures. The main section demonstrates the operations in step-by-step format, covering the anatomic regions including the skin and soft tissues, the neck, the thoracic wall and cavity, the abdominal cavity, the retroperitoneum, and the external genital organs. The author also covers surgery for hernias, colorectal surgery, pediatric surgery, vascular surgery, amputations, and trauma surgery. For precise and quick orientation, each surgical chapter presents a brief introduction to surgical preparation, anesthesia, positioning, relevant anatomy, risks, complications, and postoperative care, and then illustrates the operative technique through excellent drawings and detailed legends. Key features: Covers all common surgeries any general surgeon needs to know

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Step-by-step guide to each operative procedure More than 1,200 high-quality drawings demonstrate surgical anatomy and technique, with each illustration showing one operative step Didactic page layout allows for easy comprehension of the material Practical tips, tricks, and pitfalls highlight crucial information Ideal for all surgeons in training the Atlas of General Surgery is a handy, one-volume text that provides an overview of this broad field. It also serves as a valuable reference for the bookshelf of practicing surgeons who would like to consult a rapid review before surgery.

The new 2nd Edition features comprehensive updates throughout to reflect the newest advances, particularly the explosion in endovascular surgery. In addition, new section introductions summarize indications, preoperative diagnostic testing, and complications at a glance. A completely new section on endovascular surgery describes how to perform today's full range of minimally invasive procedures. New section introductions present information on diagnosis, indications, and complications, particularly useful to surgeons who are practicing in a managed care environment.

Since the publication of the first edition 15 years ago, vascular surgery has been transformed into a new specialty incorporating endovascular surgery and techniques. These innovations are detailed in this much anticipated second edition. Like the first edition, this new edition of A History of Vascular Surgery paints engaging portraits of the surgeons and scientists whose ideas and practices underlie, and continue to influence, vascular surgery as we know it today. Written for the practitioner

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and student alike, the second edition provides an in-depth, accessible history of this rapidly changing field. Offering detailed, well-illustrated coverage of the vascular anatomy seen on all imaging modalities, *Atlas of Vascular Anatomy: An Angiographic Approach, 3rd Edition*, presents the complete anatomy of the arteries, veins, and lymphatic system by body region. Experts in the field, each trained by Dr. Andre Uflacker, provide thorough updates throughout the text, including new slides and anatomical variations. This edition reflects recent advances in technology as well as new understandings of anatomy, making it an invaluable resource for vascular interventional radiologists and fellows, as well as surgeons, cardiologists, residents, and medical students.

A state-of-the-art neurovascular surgery atlas from internationally renowned neurosurgeon R. Loch Macdonald *Neurosurgical Operative Atlas: Vascular Neurosurgery, Third Edition*, by R. Loch Macdonald and expert contributors, reflects the latest advances in endoscopic, endovascular, microsurgical, and bypass techniques used in the treatment of cerebrovascular disease. The entire atlas has been streamlined and updated with new content, including 38 videos that complement the concise step-by-step guidance in the text. The book begins with five chapters on vascular and microsurgical instrumentation and equipment, clipping versus coiling, aneurysm surgery techniques, the pterional approach, and minimally invasive approaches. Disease and procedure-specific chapters are organized by three sections: aneurysms and subarachnoid

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hemorrhage, vascular malformations, and ischemic and other cerebrovascular disease. Every chapter includes salient tips on patient selection and procedural indications, preoperative information and tests, patient positioning, operative nuances, and postoperative complications. Key Highlights Nearly 300 high-quality color illustrations detail impacted anatomy and procedures The latest techniques for treating a full spectrum of aneurysms, such as ophthalmic segment, supraclinoid internal carotid artery, middle and anterior cerebral artery, basilar and posterior cerebral artery, and others Treatment of vascular abnormalities including arteriovenous malformations, superficial and brainstem cavernous malformations, arteriovenous fistulae, Moyamoya disease, and more Neurosurgical residents will benefit from the firsthand knowledge shared by international masters, while veteran neurosurgeons will glean invaluable insights on cutting-edge endovascular techniques to enhance clinical practice.

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

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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.

Atlas of Pediatric Surgical Techniques—a title in the new Surgical Techniques Atlas series edited by Drs Townsend and Evers—presents state-of-the-art updates on the full range of pediatric surgical techniques performed today. Dai H. Chung, MD and Mike Chen, MD offer you expert advice on a variety of procedures and help you expand your repertoire and hone your clinical skills. Access the fully searchable contents of the book and procedural videos online at [expertconsult.com](http://expertconsult.com). Get coverage of hot topics like laparoscopic techniques, ECMO cannulation, and bariatric surgery. View 150 full-color anatomic drawings and step-by-step intraoperative photographs that highlight key surgical issues and techniques. Master key techniques through videos that show them performed by the physicians who pioneered them. Avoid complications thanks to discussions of pearls and pitfalls. Choose between open and closed alternatives and get better patient outcomes. Visually master a wide range of operative techniques, with authoritative guidance (series USP)

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