

CARDIAC SURGICAL OPERATIVE ATLAS READ ONLY

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Cardiac Surgical Operative Atlas Introduction

Cardiac Surgical Operative Atlas

There is nothing quite like the pleasure of "passing on" the lessons of surgery from one generation to the next. As experienced cardiac surgeons, all of us remember the trainee phase in our specialty when we tried to acquire all of the available Operative Atlases we could find and studying from them to prepare for the next day of teaching in the operating room. However, written chapters and drawings are different as compared to real surgery. To overcome this limitation, we developed together the second edition of this new-concept operative atlas. When our co-editor, the New York Professor of Cardiac Surgery, David H. Adams, first received a copy of the German Cardiac Surgical Operative Atlas edited by Thorsten Wahlers and Thorsten Wittwer, with a request to provide an additional chapter on Tricuspid Valve Repair for this first English edition, he was struck by the simplicity and obvious utility of this book. He considered it not hard to understand why the total first German Edition sold out in a matter of months. In the second International Edition of the Cardiac Surgical Operative Atlas, the beginning surgeon can review very basic techniques and maneuvers such as cannulation strategies and internal mammary harvest. In other chapters, cardiac surgeons of all levels can review complex procedures such as valve sparing or reconstructive operations, captured step by step with high-quality operative photographs. As good as the art work is in a typical Operative Atlas, original pictures from an actual surgical procedure provide the student of surgery with a depth and clarity not possible in a drawn picture. The accompanying concise legends provide the reader with the key points and "take home messages" to learn from each photograph. We have no doubt there is something in this Atlas for every student of cardiac surgery, from the surgical resident at the beginning of his training over the more experienced surgeon "on-call" being confronted with a complex case in the middle of the night to the expert surgeon wanting to learn an advanced technique. Operative Atlases have been an essential part of surgical training since the beginning, and this particular edition is designed to be helpful for young cardiac surgeons and is hopefully a valuable addition to anyone's collection.

Atlas of Cardiac Surgical Techniques E-Book

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.

Atlas of Cardiac Surgical Techniques

Atlas of Cardiac Surgical Techniques, a title in the new Surgical Techniques Atlas series edited by Drs. Townsend and Evers, presents state-of-the-art updates on all main cardiac surgical techniques performed today. Drs. Sellke and Ruel, along with esteemed international contributors, offer you expert advice on a variety of techniques—open and interventional—to help you expand your surgical repertoire and hone your skills. Full-color illustrations and photographs enhance visual guidance and Expert Consult functionality gives you easy access to the full text online at expertconsult.com. Includes convenient access to the full-text online as well as procedural videos that show you how to proceed. Offers step-by-step guidance on a variety of cardiac surgical techniques, both open and interventional, giving you more options for the challenges you face. Discusses the hottest topics in cardiac surgery, including minimally invasive techniques, robotic surgery, aortic dissections, and more. Presents more than 400 full-color illustrations and step-by-step intraoperative photographs for expert visual guidance. Discusses pearls and pitfalls to help you avoid complications. Uses a consistent, easy-to-follow chapter format that includes clinical anatomy, pre-operative considerations, operative steps, post-operative care, and pearls and pitfalls to make reference easy. Your purchase entitles you to access the web site until the next edition is published, or until the current edition is no longer offered for sale by Elsevier, whichever occurs first. If the next edition is published less than one year after your purchase, you will be entitled to online access for one year from your date of purchase. Elsevier reserves the right to offer a suitable replacement product (such as a downloadable or CD-ROM-based electronic version) should online access to the web site be discontinued.

Atlas of Robotic Cardiac Surgery

Robotic surgery is currently devoid of adequate didactic material necessary to facilitate daily application in cardiothoracic surgical practice. This book represents the definitive atlas that will lead both the practicing and new cardiothoracic surgeons in these methods. It will define the operative pathway of each procedure, from beginning to end, for surgeons who wish to be a complete robotic cardiac surgeon and include hints and procedural pitfalls derived from the experiences of chapter contributors. The book will be illustrated with high quality illustrations and color photographs from surgical operations where appropriate. Leading surgeons have contributed to the book and provided sample illustrations for their respective chapters. Anesthetic and cardiopulmonary support preparation for each operation will be included and selected references will be provided to emphasize evidence-based outcomes.

Operative Cardiac Surgery

The sixth edition of this acclaimed and established operative atlas continues to provide a unique level of comprehensive detail on operative surgery of the heart and great vessels. With an international list of authors, the chapters have been updated and complemented by the same high quality artwork that has established this operative guide as the gold standard reference for the cardiac surgeon. This new edition retains the format of initial principles and justification for the procedure, followed by preoperative investigations and preparation, the operative procedure, and postoperative management. New chapters have been added on the latest techniques such as minimal invasive surgery, robotic surgery and off-pump bypass surgery. The chapters are arranged in seven sections, with each section emphasizing the overall management of patients, tricks of the trade of individual authors and discussion of technical and clinical judgement. With this new and updated edition, Operative Cardiac Surgery remains the pre-eminent operative guide to a full range of cardiac conditions. Video clips of cardiac procedures, both common and rare, are included within the VitalSource edition. Print Versions of this book also include access to the ebook version.

Minimally Invasive Thoracic and Cardiac Surgery

It is now 20 years since thoracoscopic surgery first entered everyday hospital practice, revolutionizing surgery and offering major benefits to patients. The intervening years have witnessed rapid progress, with the

development of a variety of specialized techniques and equipment. This superbly illustrated book provides authoritative and comprehensive descriptions of the various minimally invasive techniques that are currently employed in thoracic and cardiac surgery. A wide range of thoracoscopic procedures are explained and discussed, and detailed attention is also paid to robotic and robot-assisted surgical techniques. Throughout, the emphasis is on clear description of procedures and identification of practical aspects of relevance in surgical practice. The authors are some of the world's most experienced thoracic and cardiac surgeons, and many of them have contributed greatly to the exploration and development of the field.

Atlas of Cardiac Surgical Techniques

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, procedural videos online, 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. Online videos highlight key stages of surgical procedures. More than 400 full-color images, line drawings, and intraoperative photographs clearly depict the step-by-step progression of procedures. Expert Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, and references from the book on a variety of devices.

Color Atlas of Congenital Heart Surgery

This thorough revision of Color Atlas of Congenital Heart Surgery features 700 vividly reproduced intraoperative images taken with a special side-mounted flash. They convey exquisite perception of depth in the operative field in full color. The atlas presents surgical techniques for the full spectrum of cardiac congenital anomalies. This includes revised and updated text on many topics such as repair of straddling tricuspid valve associated with the posterior ventricular septal defect. Throughout the text, the carefully labeled photographs provide vivid representation of three-dimensional spatial relations of congenital anomalies and surgical anatomy.

Atlas of Cardiac Surgery

This atlas provides a comprehensive overview of the current techniques practised in a leading cardiac surgical institution. It offers an up-to-date review of procedures, authored by foremost surgeons in each specialist area. Richly illustrated, its aim is to serve as an appealing “go-to” text for training and practising cardiac surgeons.

Cardiac Surgery

This comprehensive atlas of congenital and acquired heart disease includes sections on coronary artery surgery, and heart/lung and lung transplants. Text provides technical descriptions of open heart operations along with illustrations that give step-by-step procedures. Includes less frequently performed procedures. Illustrations show exactly what the surgeon will observe during surgery for increased clarity and understanding. * Covers mitral valve reconstruction, coronary artery bypass grafts, transplantation, and more. * Includes superb halftones taken from the surgeon's perspective at the operating table. * Offers personal tips and advice on how to prevent problems and avoid pitfalls.

Atlas of Robotic Thoracic Surgery

This book represents the definitive robotic thoracic surgery atlas, containing didactic material necessary to facilitate effective practice in thoracic surgery and to provide learning tools in these methods both to practicing surgeons and to those in training. It defines the complete operative pathway for each procedure for surgeons who wish to be a complete robotic cardiothoracic surgeon and includes hints and procedural pitfalls derived from the experiences of chapter contributors. The Atlas of Robotic Thoracic Surgery is illustrated with high quality illustrations and color photographs from surgical operations and contains expert analysis from leading surgeons who provide the key visual features of their chosen topics. Anesthetic and cardiopulmonary support preparation for each operation are included and selected references are provided to emphasize evidence-based outcomes. This book has been designed to augment Atlas of Robotic Cardiac Surgery edited by Ranny Chitwood, both being developed from these same concepts of simplicity and practical instruction. It will therefore be an important resource for all involved in thoracic robotic surgery or interested in learning more about the techniques involved.

Atlas of Thoracic Surgical Techniques E-Book

Atlas of Thoracic Surgical Techniques, a title in the Surgical Techniques Atlas Series edited by Drs. Townsend and Evers, presents state-of-the-art updates on the full range of thoracic surgical procedures performed today. Dr. Joseph B. Zwischenberger, along with esteemed international contributors, offers you expert advice on a variety of thoracic techniques, including lung-volume reduction surgery, video-assisted thoracoscopic surgery, and laparoscopic approaches to many procedures to help you expand your repertoire and hone your clinical skills. Offers step-by-step guidance on a variety of thoracic surgical techniques, giving you more options for the challenges you face. Discusses the hottest topics in thoracic surgery, including lung-volume reduction surgery, video-assisted thoracoscopic surgery, and laparoscopic approaches to many procedures. Presents more than 200 full-color illustrations and step-by-step intraoperative photographs for expert visual guidance. Discusses pearls and pitfalls to help you avoid complications. Uses a consistent, easy-to-follow chapter format that includes clinical anatomy, pre-operative considerations, operative steps, and post-operative care to make reference easy. Visually master a wide range of operative techniques, with authoritative guidance

Operative Cardiac Surgery, Fifth edition

Previous editions of this book (formerly published in the Rob & Smith Series) have established it as the pre-eminent guide to operative surgery of the heart and great vessels. This new edition recognizes the increasing subspecialization in surgery by positioning the book for the specialist cardiac surgeon. The work is a major revision edited by two well-respected American surgeons and includes a host of prestigious international contributors. The scope of the book is fully up-to-date with modern practice, including descriptions of minimally invasive and 'off-pump' procedures. Each procedure is illustrated by a series of step-by-step full colour line illustrations of exceptional quality - consistently cited in market research as the best method of demonstrating surgical method - with detailed notes on operative technique. Additional text describes the principles and justification of choosing each procedure, preoperative assessment and preparation including anaesthetic aspects, postoperative care and outcomes. The book is a gold standard teaching aid on operative cardiac surgery for residents and trainees and an invaluable reference for experienced cardiothoracic surgeons approaching unfamiliar or uncommon procedures.

Cardiac Surgery E-Book

Cardiac Surgery: Operative Technique, by Drs. Donald B. Doty and John R. Doty, is your essential source on how to perform today's full range of cardiac surgical techniques. Over 1,000 crisp illustrations and expert, evidence-based discussions guide you step by step, equipping you to perform all of the latest procedures and get the best outcomes. Focus on the practical how-tos you need to perform each operation. Know what to do,

what to avoid, and how to manage complications with the authors' discussions of their preferred methods. Benefit from the seasoned expertise of two master cardiac surgeons with decades of experience. Keep your skills current with state-of-the-art coverage of coronary artery surgeries, heart-lung transplantation, lung transplantation, and much more - including the latest evidence for each procedure. Know what to look for and how to proceed with over 1,000 remarkable illustrations and photographs - many new, many in full color - that capture exactly what you will see during surgery.

Surgical Atlas of Cardiac Anatomy

This Atlas is illustrated with rich pictures of cardiac surgical specimens. It not only contains normal heart specimens but also dissects those specimens, taking pictures from various angles to create a three-dimensional representation. It also includes reviews of the specimens' pathological reviews. Chapter 1 through 10 introduce the normal anatomy of the cardiac chambers and surgical approaches to the heart, while chapter 11 through 28 describe 18 kinds of congenital heart defects. There are a total of over 1,000 images and illustrations in this book, which will be of great interest not only to the surgeons, but also to the cardiologists, anaesthesiologists and surgical pathologists.

Atlas of Adult Congenital Heart Surgery

This atlas comprehensively covers surgical techniques for congenital heart surgery. As the population with congenital heart defects increases more and more operations will be required to treat the residual defects, new defects, and replacement strategies such as valve replacements. Chapters are devoted to specific conditions and feature detailed descriptions of how to perform a variety of appropriate reparative surgical techniques; involving complex anatomy, reoperative surgery, and unique techniques to this speciality, enabling the reader to develop a deep understanding of how to successfully resolve situations such as left ventricular outflow tract obstruction, anomalous pulmonary venous return, and anomalous origin of the coronary arteries. Atlas of Adult Congenital Heart Surgery provides a foundational resource for practising and trainee cardiac surgeons, nurses, and healthcare associates seeking specialist training and insight to the resolution of congenital heart diseases in adults.

Atlas of Cardiac Surgery

Pediatric cardiac surgery is a dynamic, fast-moving field. Busy practitioners, like you, need clear and comprehensive guidance you can rely on to ensure optimal patient care. For over 25 years Pediatric Cardiac Surgery has been the gold-standard reference for pediatric and adult congenital heart surgeons, pediatric and congenital cardiologists, intensivists, anesthesiologists, residents and nurses. Now, in this thoroughly revised fourth edition, you again get trusted, complete coverage of the field with timely new features and expert reviews of critical topics including heart transplantation, emerging modalities for diagnosing congenital heart and tracheal defects, the surgical technique of Fontan conversion with arrhythmia surgery, the medical challenges of managing adult CHD patients, and more. This new edition includes: Contributions from over 65 world-renowned experts More beautiful illustrations, by renowned medical illustrator Rachid Idriss, which have brought acclaim to previous editions Reviews of the embryology, physical findings, diagnostic criteria, and therapeutic choices for each disease entity and describes the latest in surgical techniques in each chapter All-new chapters that guide readers through new treatment options and other key developments since the publication of the third edition highlighting recent advances in congenital heart surgery. All-new new chapters that review advances in right ventricular to pulmonary artery conduits, arrhythmia surgery, double outlet ventricles, and adult congenital heart disease, among other key topics.

Pediatric Cardiac Surgery

This extensively revised second edition provides a practically applicable guide to a range of essential techniques in cardiac surgery. As well as presenting basic surgical principles, emphasis is placed on

providing detailed instructions on how to perform each technique. Practically relevant guidance on how to effectively manage potential complications is also featured for standard and complex cardiac surgical procedures (e.g., aortic surgical interventions, David's procedure, tricuspid valve interventions etc.). *Essentials of Operative Cardiac Surgery* systematically reviews a comprehensive range of diagnostic technologies and surgical interventions in cardiac surgery, thus providing the reader with an in-depth, detailed and step-by-step synopsis of almost all routine, standard and advanced surgical techniques. Therefore, this book provides an indispensable primer for practising as well as trainee cardiac surgeons and serves both as a basic and advanced treatise.

Essentials of Operative Cardiac Surgery

This excellent companion to Sabiston & Spencer's *SURGERY OF THE CHEST* offers complete and detailed coverage of general thoracic, adult, and pediatric cardiac procedures, all in one volume. Written by leading surgeons, the atlas includes sections on thoracic incisions, the mediastinum, pulmonary resection, congenital heart disease, coronary artery bypass grafts, laparoscopic procedures, ventricular aneurysms, more. The procedures featured are those used daily by surgical staff members at Duke. They have been performed on many patients over an extended period of time and are acknowledged to be effective. The 17 surgeons who explain them were specially selected by Dr. Sabiston for their knowledge and expertise. 13 chapters detail the latest thoracoscopic procedures, including pulmonary wedge resection, resection of blebs and pleurodesis, left lymph node biopsy and aortopulmonary window, excision of mediastinal tumors, truncal vagotomy, and much more! The Atlas includes a first-time-ever presentation of Dr. James Cox's Maze III procedure for atrial fibrillation. 29 original, step-by-step figures accompany this historic contribution. More than 600 easy-to-follow drawings allow readers to understand the main points of each surgery on sight...without unnecessary orientation. The techniques are clear and easy to follow. Each "stepwise" illustration is described by a surgeon, who explains in precise terms the specific features of each part of the procedure. This narrative is placed directly beneath the drawing, ensuring easy readability. This is the only atlas to complement the leading text in thoracic surgery - Sabiston & Spencer's *SURGERY OF THE CHEST*.

Atlas of Cardiothoracic Surgery

The *raison d'être* for a new atlas of congenital heart surgery is based on the reality that the specialty has undergone numerous changes in the last few years resulting in improved techniques and new operations. The sheer number of new procedures and the required attendant technical skills to successfully complete an operation has become a challenge to master, especially for residents who are pursuing a career in congenital heart surgery. While the techniques that we are espousing are mostly our own, there is a great deal of similarity amongst international centers owing to the influence of video presentations, manuscript publications, and chapter reviews. We therefore believe that the techniques that are illustrated in this atlas are likely to be similar to the techniques that are taught worldwide to residents and fellows. The atlas is organized generally by diseases and procedures pertaining thereto. Two general sections involve cannulation techniques and palliative procedures, respectively. A special section depicts difficult problems in the form of clinical vignettes that may arise during cardiopulmonary bypass such as: decreased venous return, undiagnosed patent ductus arteriosus, and technical errors leading to hemodynamic complications. The reader is instructed to apply measures that will lead to resolution of these problems. We have chosen procedures, which cover the breadth of congenital heart surgery. While perhaps not totally inclusive, the reader will find the greater majority of congenital heart procedures illustrated and explained in this text.

Atlas of Pediatric Cardiac Surgery

This textbook provides a succinct overview of cardiac surgery, with key concepts being emphasized throughout. An abundance of illustrations, intra-operative photographs, tables as well as information boxes, aids the reader to visualise, grasp and retain difficult concepts. The inclusion of evidence-based approaches to the management of a range of cardiac surgical conditions equips the reader with an understanding of how

to overcome a variety of potentially tough clinical challenges. *Concise Cardiac Surgery: A Complete Guide* comprehensively covers a range of techniques used in cardiac surgery. It is therefore, an ideal resource for the trainee and practising cardiac surgeon seeking a practically focused text detailing how to apply the latest techniques and evidence-based approaches in their day-to-day practice.

Cardiac Surgery

The thoroughly updated Third Edition of this successful text/atlas provides current, proven guidelines for avoiding complications in cardiac surgery. Using more than 600 step-by-step illustrations, the authors demonstrate proper techniques for all surgical procedures, highlighting pitfalls with a hazard sign and flagging key points as NB (Nota Bene). New Third Edition chapters cover beating heart surgery, reoperation for myocardial revascularization, and endoscopic saphenous vein harvesting. The congenital heart disease section has a new chapter covering anomalous systemic venous drainage, transposition left ventricular outflow tract obstruction, and anomalous left coronary artery from pulmonary artery. Many chapters have been updated to include new techniques. You'll find important new information on management of deep sternal infections; management of porcelain aorta; technique of harvesting radial artery; endocarditis; surgery of aorta; mitral valve repair; aortic valve repair; implantation of stentless valve; inferior wall left ventricular aneurysm; total anomalous pulmonary venous drainage repair; Ross-Konno procedure; modifications in arterial switch technique; current techniques for Norwood principle; newer techniques for Fontan principle; monocusp pulmonary homograft for right ventricular outflow tract obstruction; and transmyocardial laser revascularization.

Cardiac Surgery

Take your surgical skills to the next level with *Cardiac Surgery*, a volume in the *Master Techniques in Surgery* series! This outstanding resource distills vast stores of knowledge from the field's most renowned surgeons into one definitive atlas. Richly illustrated, step-by-step guidance covers a full range of adult cardiac surgical techniques, and clearly demonstrates how to avoid and manage complications and achieve optimal outcomes.

Master Techniques in Surgery: Cardiac Surgery

Completely revised and updated, this third edition presents a comprehensive guide to all cardiothoracic surgical procedures for adults and children. More than 130 of the world's master surgeons describe their techniques step-by-step, and explain the decision-making that is crucial to a successful outcome.

A Colour Atlas of Cardiac Surgery

Completely revised and updated, with 38 new contributing authors, the Second Edition of this standard-setting text/atlas from the acclaimed *Mastery of Surgery* series is a comprehensive guide to all cardiothoracic surgical procedures for adults and children. More than 130 of the world's master surgeons describe their techniques step by step and explain the decision-making that is crucial to a successful outcome. Many chapters are brand-new or completely rewritten by new contributors and cover innovative techniques, including robotic and minimally invasive procedures. The book contains more than 900 detailed drawings of key surgical maneuvers and over 100 photographs, scans, and radiographs. Editorial comments in each chapter provide additional or alternative views.

Mastery of Cardiothoracic Surgery

A practical, heavily illustrated guide to procedures in cardiac surgery, this updated edition covers acquired and congenital diseases and includes surgical anatomy, surgical exposures, and step-by-step procedural

details. Also included are updates in minimally invasive surgery and vascular and endovascular surgery.

Mastery of Cardiothoracic Surgery

A practical, heavily illustrated guide to procedures in cardiac surgery, this updated edition covers acquired and congenital diseases and includes surgical anatomy, surgical exposures, and step-by-step procedural details. Also included are updates in minimally invasive surgery and vascular and endovascular surgery.

Cardiac Surgery

Congenital Heart Disease: A Surgical Color Atlas is a pictorial illustration with over 750 stunning photographs and line drawings that highlight important surgical, anatomic and pathologic points of congenital heart disease. This impressive work by a surgeon, a cardiologist, and a pathologist, features full-color images as seen through the surgeon's eyes, juxtaposed with line drawings to allow for the full examination of anatomic and surgical details. From the Preface: "This Atlas may very well be the most accurate photographic description of congenital heart disease ever published." - Hisashi Nikaidoh, MD

An Atlas of Cardiac Surgery

Unique in the field of cardiac surgery, Khonsari's **Cardiac Surgery: Safeguards and Pitfalls in Operative Technique** details the most important techniques in a concise, readable, and richly illustrated format, with a focus on avoiding and managing surgical pitfalls and complications. From general considerations through the surgical correction of acquired and congenital heart conditions, it provides a wealth of practical, hands-on guidance to help both seasoned and less-experienced cardiac surgeons achieve optimal outcomes.

Cardiac Surgery

Thoracic surgery has evolved substantially in recent years, with tremendous advancements in minimally invasive surgical procedures, novel techniques for sublobar resection, perioperative management, and more. **Thoracic Surgery Atlas, 2nd Edition**, written by Dr. Mark K. Ferguson, brings you fully up to date with all aspects of this fast-changing field. Comprehensive and highly illustrated, this general thoracic surgery text covers procedures involving all chest organs (lungs, esophagus, trachea, mediastinum, chest wall, and diaphragm), offering authoritative guidance on virtually any thoracic operation you're likely to perform—from cancer surgery to management of a variety of benign conditions, including esophageal disorders, empyema, tracheal stricture, and much more. Includes authoritative, experience-based observations to help guide you through details of complex procedures, avoid common problems, and manage complications when they occur. Features numerous high-quality, original color and tone drawings that depict the relevant anatomy and steps associated with each procedure. Expands coverage to include new areas of thoracic surgery, new and updated illustrations, and new content and references throughout. Provides new information on ERAS protocol summaries for perioperative care, consensus guidelines for essential steps in minimally invasive lung resection, new surgical approaches to mediastinal abnormalities, increased focus on VATS and robotic operations including uniportal surgery, new methods of treating thoracic outlet syndrome, new approaches to managing malignant ventricular arrhythmias through sympathectomy, more advanced techniques for pleurectomy for mesothelioma, and descriptions of a variety of newer muscle flaps for reconstruction.

Congenital Heart Disease: A Surgical Color Atlas

The most comprehensive and current full-color cardiac surgery resource – updated by leading surgeons A Doody's Core Title for 2022! In **Cardiac Surgery in the Adult, Fifth Edition**, the world's foremost cardiovascular surgeons deliver thorough, up-to-date coverage of operative strategy, decision making,

technique, and pre- and post-operative management for treating the adult cardiac patient. Unmatched in both scope and clinical rigor, this classic text contains 63 chapters that highlight every important topic in cardiovascular surgery. Presented in full color, *Cardiac Surgery in the Adult* takes readers through the optimal treatment of congenital, acquired, infectious, and traumatic diseases of the heart and great vessels. The book opens with a history of cardiac surgery and basic cardiac science, then moves into all types of cardiac surgery, providing both practicing surgeons and residents with insight into the very latest surgical protocols. *Cardiac Surgery in the Adult* is logically divided into ten sections: Basics (includes history, anatomy, physiology, pharmacology, computed tomography, risk assessment, simulation, and the fully integrated cardiovascular center) Perioperative/Intraoperative Care Ischemic Heart Disease Aortic Valve Disease Mitral Valve Disease Surgery of the Great Vessels Rhythm Surgery Other Cardiac Operations (including congenital heart disease, pericardial disease, and cardiac neoplasms) Transplant and Mechanical Circulatory Support The Fifth Edition has been updated throughout, and includes the latest advances in minimally invasive surgery and simulation.

Essentials of Operative Cardiac Surgery

Now in its sixth edition, Robert M. Bojar's *Manual of Perioperative Care in Adult Cardiac Surgery* remains the go-to practical guide for all of those involved in the care of the cardiac surgery patient. Written in outline format, it provides a comprehensive, detailed, and clearly explained review of cardiac surgical disease and perioperative management that is of value to practicing cardiac surgeons as well as to cardiologists, residents, fellows, advanced practice providers, critical care and floor nurses, perfusionists, and medical students. Extensively rewritten with updated references to incorporate the latest concepts, guidelines, protocols, and medications used in cardiac surgical practice, this classic text retains the pragmatic features that have made it the gold standard reference that clinicians have used worldwide for the past 30 years. Highlights include: Full coverage of cardiac surgical diseases, including pathophysiology, indications for surgery per guidelines, and figures of operative procedures and diagnostic techniques, with a panoply of examples Chronologic evaluation of patients from preoperative assessment to intraoperative considerations to postoperative care for each procedure Extensive chapters discussing organ system management in the ICU, followed by a discussion of later postoperative management and problems Incorporation of newer techniques (TAVR, Mitraclip, etc.) within the chronologic format Easy access to information using an outline format, markers on the free edges to identify chapters, synopsis pages at the beginning of each chapter, and a comprehensive index to provide easy referencing within the text Updated references throughout that are available from on-line resources 21 appendices summarizing order sheets, protocols, commonly used drug doses, body mass index, and other important information Praise for the fifth edition: "Surgeons are frequently asked to recommend a text that can be used to guide the care of their patients. This comprehensive text is the standard by which any other text should be judged." *Critical Care Medicine* "It remains a classic and a must have for anyone involved in cardiac surgery." *Perfusion.com*

Khonsari's Cardiac Surgery: Safeguards and Pitfalls in Operative Technique

Take your surgical skills to the next level with *Cardiac Surgery*, a volume in the *Master Techniques in Surgery* series! This outstanding resource distills vast stores of knowledge from the field's most renowned surgeons into one definitive atlas. Richly illustrated, step-by-step guidance covers a full range of adult cardiac surgical techniques, and clearly demonstrates how to avoid and manage complications and achieve optimal outcomes. Key Features Easy-to-follow guidance on the full range of adult cardiac procedures, including primary aortic valve surgery, tricuspid valve procedures, cardiovascular trauma, myocardial revascularization procedures, pericardial surgery, cardiothoracic transplantation, cardiac assist devices, and many more. Formatted chapters briefly cover indications, contraindications, and preoperative planning before fully explaining and illustrating the procedure in step-by-step detail. Outcomes, complications, avoidance of pitfalls, and follow-up are also discussed. Color illustrations visually describe each surgical technique and highlight key anatomic structures. Expertly written by international authorities, with clear demonstration of their preferred techniques. Ideal for cardiothoracic surgeons at all levels, residents and fellows, and for use

with patients who ask for more detail about a particular procedure. Now with the print edition, enjoy the bundled interactive eBook edition, which can be downloaded to your tablet and smartphone or accessed online and includes features like: Complete content with enhanced navigation Powerful search tools and smart navigation cross-links that pull results from content in the book, your notes, and even the web Cross-linked pages, references, and more for easy navigation Highlighting tool for easier reference of key content throughout the text Ability to take and share notes with friends and colleagues Quick reference tabbing to save your favorite content for future use

Color Atlas of Cardiac Surgery

Written by eminent cardiac anesthesiologists and surgeons, this handbook is a complete, practical guide to perioperative care in cardiac surgery. The book addresses every aspect of cardiopulmonary bypass management and fast-track and traditional cardiac anesthesia and describes all surgical techniques, with emphasis on postoperative considerations. Close attention is also given to routine care and management of complications in the cardiac surgical recovery unit. Coverage includes up-to-date information on cardiac and neurologic monitoring, off-pump surgery, new devices for anastomosis, robotic surgery, and neurologic complications and outcomes. Tables, algorithms, and 15 appendices summarize key facts, protocols, and clinical decisions.

Thoracic Surgery Atlas

Cardiac Surgery in the Adult Fifth Edition

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