

Operative Cardiac Surgery

In gripping prose, one of the world's leading cardiac surgeons lays bare both the wonder and the horror of a life spent a heartbeat away from death. When Stephen Westaby witnessed a patient die on the table during open-heart surgery for the first time, he was struck by the quiet, determined way the surgeons walked away. As he soon understood, this detachment is a crucial survival strategy in a profession where death is only a heartbeat away. In *Open Heart*, Westaby reflects on over 11,000 surgeries, showing us why the procedures have never become routine and will never be. With astonishing compassion, he recounts harrowing and sometimes hopeful stories from his operating room: we meet a pulseless man who lives with an electric heart pump, an expecting mother who refuses surgery unless the doctors let her pregnancy reach full term, and a baby who gets a heart transplant—only to die once it's in place. For readers of Atul Gawande's *Being Mortal* and of Henry Marsh's *Do No Harm*, *Open Heart* offers a soul-baring account of a life spent in constant confrontation with death.

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.

The ESC Textbook of Intensive and Acute Cardiovascular Care is the official textbook of the Acute Cardiovascular Care Association (ACVC) of the ESC. Cardiovascular diseases (CVDs) are a major cause of premature death worldwide and a cause of loss of disability-adjusted life years. For most types of CVD early diagnosis and intervention are independent drivers of patient outcome. Clinicians must be properly trained and centres appropriately equipped in order to deal with these critically ill cardiac patients. This new updated edition of the textbook continues to comprehensively approach all the different issues relating to intensive and acute cardiovascular care and addresses all those involved in intensive and acute cardiac care, not only cardiologists but also critical care specialists, emergency physicians and healthcare professionals. The chapters cover the various acute cardiovascular diseases that

need high quality intensive treatment as well as organisational issues, cooperation among professionals, and interaction with other specialities in medicine. SECTION 1 focusses on the definition, structure, organisation and function of ICCU's, ethical issues and quality of care. SECTION 2 addresses the pre-hospital and immediate in-hospital (ED) emergency cardiac care. SECTIONS 3-5 discuss patient monitoring, diagnosis and specific procedures. Acute coronary syndromes (ACS), acute decompensated heart failure (ADHF), and serious arrhythmias form SECTIONS 6-8. The main other cardiovascular acute conditions are grouped in SECTION 9. Finally SECTION 10 is dedicated to the many concomitant acute non-cardiovascular conditions that contribute to the patients' case mix in ICCU. This edition includes new chapters such as low cardiac output states and cardiogenic shock, and pacemaker and ICDs: troubleshooting and chapters have been extensively revised. Purchasers of the print edition will also receive an access code to access the online version of the textbook which includes additional figures, tables, and videos to better to better illustrate diagnostic and therapeutic techniques and procedures in IACC. The third edition of the ESC Textbook of Intensive and Acute Cardiovascular Care will establish a common basis of knowledge and a uniform and improved quality of care across the field.

Cardiac Surgery Essentials for Critical Care Nursing, Third Edition is an indispensable resource for new and experienced nurses caring for patients in critical care units immediately following cardiac surgery and in the

transitioning to home. With an evidence-based foundation, the Third Edition addresses nursing knowledge to meet the needs of acutely ill patients and strategies to optimizing patient outcomes in this dynamic field. Vital information has been added and updated to reflect significant changes in cardiac surgery as well as four new chapters based on needs of patients, families, and readers. These new chapters address nutritional issues, post ICU-care, psychological and spiritual support, and rehabilitation care post cardiac surgery. Coronary surgery encompasses two thirds of all adult cardiac surgery cases. With the endless pursuit of better outcomes, modern coronary artery bypass grafting (CABG) has become technically more complex in ways that are well beyond the training of the average cardiac surgeon. The old concept of "one-technique-fits-all" has been abandoned in favour of a specialized approach tailored to the individual patient. In fact, in recent years, there is a growing movement towards establishing coronary surgery as a super-specialization of cardiac surgery. *Technical Aspects of Modern Coronary Artery Bypass Surgery* aims to expand on both the basics and complexities of the technical aspects of coronary surgery. It serves as an up to date resource that illustrates and details the advancement and techniques in this field which may soon become a separate super-specialty. With a particular emphasis on illustrations, the book will be an essential reference book for both established surgeons that have no experience in advanced CABG, and the new generation of CABG surgeons. A complete and concise resource on all

aspects of coronary surgery In-depth illustrative review of various coronary techniques Covers both current recommendations and well-established practices in the field

Redo cardiac surgeries are challenging cases with a myriad of influential factors, ranging from the patient's pathology to the whimsy of the previous surgeon. *Redo Cardiac Surgery in Adults, 2nd Edition* clearly outlines practical approaches, surgical techniques, and management of associated conditions such as perioperative stroke and acute kidney function. It covers the spectrum of redo cardiac operations, including coronary artery bypass, mitral valve repair, reoperation for prosthetic mitral valve endocarditis, aortic arch reoperation, descending and thoracoabdominal aortic reoperation, and reoperations following endovascular aortic repair. All redo cardiac surgeries present a complex array of challenges beyond what the original procedure demands. This book, written by an outstanding group of prominent physicians, will give the reader the knowledge and tools to approach these cases with confidence.

Operative Anatomy of the Heart offers a unique collection of data and artwork, illustrating cardiovascular surgery and surgical procedures. The coverage is exhaustive, extending to the entire anatomy of the human chest. An appendix presents cross sections of the human body: thoracic, abdominal and pelvic cavity. These are presented as morphological guidelines for better interpretation of the computer scans. This is a book of unique visual and functional utility.

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This book will aid surgeons in mastering the essential skills necessary in the ever expanding field of cardiac surgery. As well as presenting basic surgical principles, emphasis throughout the book has been placed on providing essential tips to make every cardiac surgical operation easy, reproducible and safe to perform, and tricks to enable surgeons to manage the difficult situations they are likely to encounter and prevent serious complications. *Essentials of Operative Cardiac Surgery* is an indispensable text for trainees and established consultants in adult cardiac surgery. Over a decade after the last edition, *Operative Thoracic Surgery, Sixth Edition* has been thoroughly revised and updated by a team of prestigious international contributors. Particular emphasis is given to new and emerging techniques, particularly minimally invasive procedures, ensuring that the book remains an essential resource for surgeons in training, residents and fellows in thoracic and esophageal surgery, and fully qualified practitioners needing a definitive reference. Additional text describes the principles and justification of choosing each procedure, pre-operative assessment and preparation, post-operative care and outcomes. Print Versions of this book also include access to the ebook version.

Thoroughly revised, this handy manual is filled with practical advice for the entire cardiac care team. It covers all aspects of care of the surgical heart patient—from preoperative assessment to postoperative management to treatment protocols. Chapters written by both nurses and doctors emphasize the critical care

team approach to cardiac surgery to improve patient outcomes and provide useful, practical information for every clinical setting. A logical organization, including individual sections on preoperative, operative, and postoperative issue speeds to the information you need. The latest details on coronary artery disease . fluid, electrolyte, and renal function . management of postoperative cardiac arrhythmias . mechanical devices . and postoperative myocardial ischemia enhance your clinical acumen. An updated appendix of Management Summaries keeps you current on the latest in care. New images and line drawings illuminate key steps to help you master every procedure.

Aortic Valve Repair provides a comprehensive summary on techniques developed during the first 500 cases of aortic ring annuloplasty. Aortic valve disease is usually surgically managed by aortic valve replacement, and it is well established in published literature regarding the long-term results, survival rate, durability of the prostheses and reoperations rates. Over the past two decades, aortic valve repair (AVr) has evolved into a recognized surgical option for selected patients with aortic insufficiency or proximal aorta aneurysm. Studying the first 500 cases of aortic ring annuloplasty, the authors provide the most effective methods of leaflet and aortic root reconstruction to repair pathologies. Including original illustrations and videos, the book serves as an essential reference for cardiac surgeons in practice. Includes original and never published illustrations and videos to facilitate learning Covers etiologies of aortic insufficiency repaired using HAART Devices, with 550 devices implanted to date

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Dissects over 35 different causes of aortic insufficiency

Written by renowned authors in the field

Operative Cardiac SurgeryCRC Press

The most comprehensive and current full-color cardiac surgery resource – updated by leading surgeons 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

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Edition has been updated throughout, and includes the latest advances in minimally invasive surgery and simulation.

This text reviews the postoperative management of patients who have undergone cardiac surgical procedures, some of the most common and most complicated forms of surgery. These patients and their management are characterized by complex challenges, while among the factors determining ultimate clinical outcome, postoperative critical care is of major importance. This new and extensively updated edition of *Postoperative Critical Care for Cardiac Surgical Patients* maintains the general clinical approach in explaining and analyzing the course of clinical care in patients undergoing cardiac surgery, providing the reader with a practical "cookbook" of postoperative intensive care in adult cardiac patients. It has been extensively updated to include the developments in this field during the last few years, from new chapters on postoperative management of renal, gastrointestinal and respiratory systems, postoperative management of infectious and inflammatory complications, and postoperative care of transplant patients and postoperative safety. This book is of critical importance for cardiac surgeons, cardiac anesthesiologists and intensivists, and defines optimal daily practice for adult patients undergoing cardiac surgical procedures.

The classic leading-edge guide to heart surgery in adults—completely updated by leaders in the field In this trusted reference, renowned cardiac surgeon and Harvard professor Dr. Lawrence H. Cohn takes you through all

aspects of heart surgery in adults. The text's acclaimed coverage begins with a solid review of cardiac surgery fundamentals, then progresses to optimal perioperative and intraoperative care before covering the full range of individual procedures. Inside, you'll find over 1,000 step-by-step illustrations that clarify each procedure, along with important guidance on all of the discipline's fundamental operations and operative techniques. With updated and revised content, the new edition of this forward-thinking, landmark text is undoubtedly the most up-to-date resource of its kind available anywhere.

Features: All the latest surgical perspectives and techniques in ischemic and valvular heart disease, disease of great vessels, cardiac arrhythmias, and more
Expert authorship by one of the world's most respected cardiac surgeons, with contributions from an internationally recognized group of authors
Cutting-edge overview of cardiothoracic transplantations, circulatory support, and nontransplant options for heart failure
Brand new, timely chapters on cardiac imaging, minimally invasive procedures, and stem cell therapy
Reworked illustration program, featuring newly commissioned two-color drawings, with classic artwork from the previous editions colorized
Two-color format throughout the text, which helps you efficiently navigate chapter material, providing quick access to key information

Cardiothoracic nursing has undergone great change over the last decade. With the continuing improvement of surgical techniques, pharmacology and pre- and post-operative care, there have been many new initiatives and

innovations in the nature and practice of this specialised sector of nursing. Rehabilitation and patient education are to name but a few of the areas where exciting new challenges and opportunities for cardiothoracic nurses have opened up. This book is a definitive and accessible text for cardiothoracic nurses. Written for nurses from a nursing perspective, it offers practical advice and information on all aspects of cardiothoracic surgical nursing and pays particular attention to the continuing developments cardiothoracic nurses must face.

Robotic Cardiac Surgery is a comprehensive guide to robotic/totally endoscopic cardiac surgery. The book is intended to provide in-depth information regarding the history of robotic surgical systems, their components and principles. It emphasizes patient selection, perioperative management, anesthesia considerations and management, operative techniques and management, postoperative care and results. Extensive, detailed photographs and illustrations of different kinds of robotic surgery are also included. It provides cardiac surgeons, cardiac anesthesiologists, and perfusionists with a comprehensive review of current robotic cardiac surgeries and related knowledge.

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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.

Highly Commended, BMA Medical Book Awards 2015 Since the first edition of this book was published in 2004, the management of congenital heart disease has continued to evolve at a rapid pace. Not only have new operations been developed and expanded, such as the intra/extracardiac conduit Fontan and the double root translocation for corrected transpos

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: 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.

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 emphasising 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.

This edited volume Cardiac Surgery Procedures is a collection of reviewed and relevant research chapters, offering a comprehensive overview of recent developments in the field. The book comprises single chapters authored by various researchers and edited by experts active in the research area. All chapters are complete in themselves but united under a common research study topic. This publication aims at providing a

thorough overview of the latest research efforts by international authors and opens new possible research paths for further novel developments. Cardiothoracic Surgical Nursing is an ideal reference source for nurses specializing in the care of adult patients with cardiac and thoracic surgical diseases. The text has been designed for nurses working with cardiothoracic surgical patients, providing them with a broad overview for their clinical practice. Coverage includes cardiovascular and pulmonary diseases and operative procedures, as well as transplantation and trauma. Chapters on preoperative, intraoperative, and postoperative evaluation and management, and numerous illustrations make this a truly comprehensive reference for this expanding area of nursing. A Brandon-Hill Recommended Title. 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. A succinct yet comprehensive reference tool for cardiac surgery nurses, this new addition to the Fast Facts series provides quick access to frequently used information regarding the care of cardiac

surgery patients. It encompasses the timeline from pre-op to recovery period, with a special focus on the prevention and management of commonly seen post-op complications. The book addresses surgical treatments for coronary artery disease, valve disease, descending aortic aneurysms, and congenital heart disease in adults, and covers patient presentation and diagnostic tests, immediate and extended post-operative period care, cardiac rehabilitation programs, and patient education. Intended for daily use, this reference not only contains important guidelines for all nurses caring for cardiac surgery patients, but reinforces highly specialized skills and supports the development of new skills. It will be highly valuable to new graduates and nurses who are considering a switch to cardiac care, as well as seasoned practitioners. Key Features: Provides a handy pocket reference for new and experienced cardiac care nurses Clearly organized for easy reference to equipment, procedures, and pre- and post-op specialty care Includes "Fast Facts in a Nutshell" feature to help guide the new nurse Pays special attention to the differences between CHD and manifestations of other heart disease states Pinpoints sensitive nursing indicators and ways to improve patient care Since the publication of the first edition of *Core Topics in Cardiac Anesthesia*, the clinical landscape has undergone significant change. Recent

developments include the increased use of electrophysiology, the resurgence of primary percutaneous intervention in acute coronary syndromes, the use of percutaneous devices in patients previously considered inoperable, and the withdrawal of aprotinin. Against this landscape, this invaluable resource has been fully updated. New chapters are dedicated to right heart valves, pulmonary vascular disease, cardiac tumours and cardiac trauma. All other chapters have been updated according to the latest international guidelines. Written and edited by an international author team with a wealth of expertise in all aspects of the perioperative care of cardiac patients, topics are presented in an easy to digest and a readily accessible manner. Core Topics in Cardiac Anesthesia, Second Edition is essential reading for residents and fellows in anesthesia and cardiac surgery and clinical perfusionists.

Minimally invasive cardiac surgery (MICS) is an integral component of every future cardiac surgeon's training. There continues to be a growing global demand towards less invasive surgical techniques. Both cardiologist and cardiac surgeon form "heart teams" to provide patients with novel, minimally invasive procedures, with all their benefits. Less invasive techniques are often complex and require special knowhow and skills. This book offers an innovative approach to learning, utilizing QR code

technology, which refers the reader to essential audio-visual material, which, along with the didactic text, focuses on practical aspects of minimally invasive cardiac surgery. In modern Heart Teams, and with the advent of the hybrid era, surgeons will only be able to survive if they have state-of-the-art skills in less invasive technologies, which can be incorporated in the hybrid theatre and/or transcatheter arena. This text accompanies the surgeon along this path, and provides clinical advice and practical solutions, beyond the necessary basic knowledge. Which courses to visit, which videos to watch, which centres to join for serious training? How best to exploit public and multimedia? How to consent a patient into a MICS procedure? How to set up a MICS program or practice? In the era of value driven outcomes, and a shift towards shorter and better patient journeys, MICS is a skill that no heart surgeon can be without. Minimally Invasive Cardiac Surgery: A Practical Guide is a teaching resource, reference book and manual written by surgeons who both operate and teach the procedures described within. Provides access to online resources via QR codes Includes links to videos and the e-version of the text Acts as a gateway to a huge choice of minimally invasive cardiac surgery materials

The field of cardiothoracic surgery continues to evolve at a rapidly expanding rate. New technologies are under constant development and as patients

present with more advanced pathophysiology and complex comorbidities, management becomes more dependent on multi-disciplinary Teams. While there are a variety of innovative and high-profile topics that dominate the literature and the interests of clinicians, sometimes it is the basics both in terms of acute and sometimes unusual problems that often challenge cardiothoracic surgeons on a day to day basis. The goal of *Principles and Practice of Cardiothoracic Surgery* is to hopefully highlight the current state of the art management of these problems.

Part of the Oxford Textbooks in Anaesthesia series, this title covers the anatomy and physiology, pharmacology, post-operative complications, critical care, and all clinical aspects of cardiac and thoracic anaesthesia. Practical aspects, such as team working, and designing and equipping cardiothoracic theatre and critical care, are also included. The expert and international author team use their experience to ensure this title reflects current world-wide practice across the globe.

Significant changes have taken place in the realm of cardiac, thoracic, and vascular surgery during the last five to ten years. Many new operative procedures have been developed which remain relatively unknown to cardiothoracic surgeons. This practical manual covers a wide variety of these new processes, several of which are interventions offered to cardiologists practicing in the field of

electrophysiology who are unaware that these interventions exist and can help them in situations they cannot solve. It includes general practical techniques; cardiac, thoracic, and vascular surgery procedures; and advances in cardiology and electrophysiology. Throughout the book, illustrations accompany the technical descriptions and show in step-by-step detail how to perform the operations and various procedures using proper equipment. *Cardiothoracic Surgical Procedures and Techniques: A Practical Manual* is an essential resource for physicians and related professionals, residents, fellows, physician assistants (PA), and graduate students in cardiology, cardiac surgery, thoracic surgery, and vascular surgery.

Featuring a combination of easily digestible sections, clinical images, and a text layout that assists rapid fact acquisition, this book highlights the core topics in congenital cardiac surgery. The text covers all the commonly encountered anomalies, with simple explanations of the underlying anatomy and management options. Readers are provided with strong support from the outset; including guidance on diagnosis, operative technique, and post-operative management. Aimed at trainees preparing for professional examination and newly appointed consultants, this invaluable handbook is a go-to resource for the busy practitioner. It will also be an ideal reference for cardiologists, intensivists,

perfusionists, and cardiac nurses, requiring a concise and accessible summary of the surgical aspects of diagnosis and treatment. The book includes sections on transplantation, ECMO, hybrid procedures and adult congenital heart disease. 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.

This volume in the acclaimed *Mastery Series* delivers clear, how-to guidance on the most commonly performed procedures in adult and pediatric thoracic surgery. As with other volumes in the series, *Mastery of Cardiothoracic Surgery* delivers expert commentary from master surgeons following each chapter. Invaluable for cardiothoracic fellows, as well as thoracic and cardiac surgeons. The development of new techniques and the refinement of established procedures make cardiac surgery a fast-moving field. Core concepts in cardiac surgery has been developed to make it an invaluable

textbook for the professional cardiac and cardiothoracic surgeon, covering both topical issues and updates in cardiac surgery. This provides the practising cardiac surgeon with current updates in the field, and controversial issues that affect everyday practice. Written by an international team of renowned cardiac surgeons, each topic is split into a review of the current literature and then important technical details. Their wealth of professional experience has been distilled into tips and common pitfalls in practice throughout the book. Extensively illustrated with full-colour photographs and artwork to facilitate understanding of complex procedures, Core concepts in cardiac surgery is also available on a companion website, to allow the authors to update the text regularly to reflect developments in the discipline.

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

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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

Cardiac surgical procedures are among the most common and most complicated forms of surgery worldwide and the postoperative period is characterized by complex challenges. Among the factors determining ultimate clinical outcome, postoperative critical care is of major importance. This book adopts a clinical approach in explaining and analyzing the course of clinical care in patients undergoing cardiac surgery. Since the postoperative clinical status is directly influenced by preoperative and intraoperative factors, the early chapters briefly examine preoperative issues and the intraoperative course of cardiac surgery, with particular attention to anesthesia and the process of cardiopulmonary bypass. Subsequent chapters primarily address the critical care of patients by means of an organ-oriented approach, which will enable the reader to use the text as a "cookbook" of cardiac intensive care. This book is intended for use in daily practice by cardiac surgeons, cardiac anesthesiologists, intensivists and cardiac intensive care nurses.

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