

## Cardiac Surgery Textbook

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.

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,

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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.

*Cardiothoracic Surgery Review* covers all of the core knowledge necessary to pass the cardiothoracic boards or the cardiothoracic recertification exam. Each topic presents core information in two-to-four pages and concludes with a brief list of the most important references. The topics cover all areas in cardiothoracic surgery, including cardiac surgery, pediatric cardiac surgery, and thoracic surgery. Included with the book is a companion website featuring the fully searchable text and over 60 procedural videos. This topic-based review is ideal for anyone needing to rapidly reference an up-to-date knowledge base in cardiothoracic surgery, including cardiothoracic fellows, practitioners studying for recertification, and surgical nurses.

Presents the insights gained in the last several decades at the Children's

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Hospital, Boston on early primary repair of the neonate and infant with congenital heart disease. This multidisciplinary approach includes treatment philosophy and techniques (in and out of the operating room) and treatment of complications. Offers direct access to the extensive clinical experience of acknowledged experts at Boston Children's Hospital and Harvard Medical School. Provides guidelines to postoperative care, treatment of complications, early and late results - in addition to clear descriptions of procedures for over 20 congenital defects. Features the latest information on developmental biology and the unique problems associated with cardiopulmonary bypass, hypothermia, circulatory arrest, myocardial protection, anaesthesia, and interventional cardiology. Includes valuable coverage of transplantation and fetal surgery.

this book is valuable for cardiac surgeons, cardiac anaesthesiologists, Thoracic surgeons, Cardiac nurses, Perfusionists to understand basics of cardiac surgery. Manual of Cardiac Surgery Instruments is an essential manual for students, paramedics, cardiac surgeons and cardiac theatre nurses. This book provides guidance on the use of an extensive range of cardiac instruments from sternal saw to cardioplegia cannula. Questions and answers are provided with each instrument, making Manual of Cardiac Surgery Instruments an ideal source of preparation for examinations. This compact book contains 205 full colour

images, providing easy reference in a busy clinical setting.

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

Revised and updated version of: Small animal thoracic surgery / E. Christopher Orton; illustrated by Thomas O. McCracken; contributing author, James S. Gaynor. 1995.

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. 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

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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 trans-catheter 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

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.

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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.

More than 200 noted authorities discuss their views on diagnosis, treatment, and procedures, with advice on everything from assessment and imaging through incisions, anesthesia, and perioperative care issues--including cardiac pacing in adults and children, and the cardiac surgery "fast track." It is packed with "high-yield" information that helps the user to access needed knowledge in the least amount of time.

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'

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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 ability to read a paper, judge its quality, the importance of its results, and make a decision about whether to change practice based on the information given, is a core skill for all doctors. To be able to do this quickly and efficiently is, without a doubt, a skill needed by all time-pressured emergency doctors and one which is tested in the Fellowship of the College of Emergency Medicine (FCEM) examination. Critical Appraisal for FCEM is the essential revision source for all those who want to pass the critical appraisal section of this exam. It is also required reading for those who want to incorporate evidence-based medicine into their everyday clinical practice. Features: Helps you become truly competent in critical appraisal Provides information in "Spod's Corner," which helps you reach the next level and excel Prepares you for the Critical Topic Review Contains two fictional practice papers to test and practise your knowledge With its relaxed conversational style—yet crammed with essential information, key tips, and advice—this book is indispensable for all those wanting to

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achieve success in their FCEM and MCEM examinations.

Compendium of articles from recent surgical literature that address ethical issues chosen by surgeons.

Textbook of Surgery is a core book for medical and surgical students providing a comprehensive overview of general and speciality surgery. Each topic is written by an expert in the field. The book focuses on the principles and techniques of surgical management of common diseases. Great emphasis is placed on problem-solving to guide students and junior doctors through their surgical training. Throughout the book are numerous reproducible line drawings, tables and boxes that will prove invaluable for learning and revision. In addition there are detailed guidelines provided for surgical management. Up-to-date and ideal for medical students and junior doctors on surgical attachments and a perfect refresher for RACS and MRCS candidates. Reviews of the last edition “The textbook presents a compact and contemporary overview and is not so much a reference book as a working tome suitable for familiarization with current trends in treatment and diagnosis in these various areas. ...found this textbook very informative and a pleasure to read.” ANZ Journal of Surgery Vol. 72, No. 12.

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

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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.

Heart failure is epidemic throughout the world. A growing incidence and prevalence has resulted in a large population of individuals transitioning to advanced stages of the syndrome and requiring uniquely specialised therapies and cardiac transplantation. Oxford Textbook of Advanced Heart Failure and Cardiac Transplantation is a focused and comprehensive work covering this new and rapidly growing cardiovascular subspecialty. Authored by eminent international experts, it is the authoritative text on advanced heart failure and a central resource for clinicians caring for patients with this condition. By covering a range of characteristics, therapeutic challenges and practical aspects of managing patients this book provides an in-depth source for cardiologists and other related clinicians. A strong focus on the difficult decision making needed to handle advanced heart failure cases, along with specific knowledge of epidemiology, biology and pathophysiology, creates a key tool for optimally managing these complex patients.

Managing patients with thrombotic vascular disease is complex and challenging: Ischemic vascular disease remains a complicated interplay of atherosclerosis and thrombosis—even with the evolution in our understanding of the pathobiology of thrombosis. There has been tremendous growth in therapeutic options which are quickly

finding their place in daily practice, including a remarkable expansion in the number of intravenous and oral antithrombotic agents and new antiplatelet agents. Now more than ever, all cardiologists, hematologists, and specialists in vascular medicine, as well as other professionals, such as hospital pharmacists, who deal with prognosis and intervention in preventing thrombosis, need a resource that distills current knowledge of this important subject. Written and edited by today's leading international, *Therapeutic Advances in Thrombosis, 2e* provides physicians with the very latest in medical and surgical advances in antithrombotic therapies. With this comprehensively updated edition you get: Coverage of virtually all aspects of venous and arterial thrombotic disease and the corresponding therapies; Strategies to manage specific clinical conditions and how to tailor treatment to individual patient needs; Updated chapters covering thrombolysis in ST-elevated myocardial infarctions; thrombosis in patients with diabetes, pregnancy, and renal dysfunction; Special emphasis on the pharmacology of novel anticoagulants and their practical use in venous thromboembolism and atrial fibrillation. Plus, all chapters fully explore clinical trial designs and outcomes for particular treatment therapies, as well as contain the relevant ACC/AHA/ESC guidelines, so you can confidently apply what you learn.

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

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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.

Now in its 4th edition, Kirklin/Barratt-Boyes Cardiac Surgery remains your indispensable source for definitive, state-of-the-art answers on every aspect of adult and pediatric cardiac surgery. This dynamic medical reference thoroughly and systematically covers the full range of new and classic surgical procedures—including the latest alternate and minimally invasive surgical techniques—and presents the up-to-date clinical evidence you need to make effective management decisions. Be certain with expert, dependable, accurate answers for every stage of your career from the most comprehensive, definitive text in the field! Get comprehensive coverage of all areas of cardiac surgery, including ischemic, valvular, and congenital heart disease; cardiac tumors; constrictive pericarditis; thoracic aortic surgery; cardiac transplantation; coronary artery disease; aortic valve disease; cardiac rhythm disturbances; heart failure

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and transplantation; disease of the thoracic aorta; tetralogy of Fallot; anesthesia; and postoperative care. Stay current with the latest advancements and practices. Comprehensive updates throughout include new information on endovascular management of thoracic aorta disease; new data on clinical outcomes; the most recent minimally invasive procedures; non-invasive CT angiography; new alternative surgical approaches to mitral valve surgery; and many other hot topics! Make the most well-informed decisions and achieve optimal outcomes by exploring each condition's natural history; diagnostic criteria; indications for surgery; operative techniques; and follow-up care. Reference information quickly thanks to a new, streamlined format.

Cardiothoracic Surgery covers all areas of adult and paediatric, cardiac and thoracic surgery and intensive care. This new edition, with updated cardiac surgery and thoracic sections, provides on-the-spot guidance to common and less common operative procedures. Every chapter is divided into topics presented across two pages to enable easy reference, with pages on intensive care edged in red for immediate access.

Completely updated with current evidence and guidelines, the book is practically oriented to provide reliable guidance in intensive care and in theatre. Fully indexed and lavishly illustrated, the book is a must for anyone seeking a comprehensive yet portable guide to all areas of cardiothoracic surgical practice.

The beginning of cardiac surgery is generally considered to be the successful repair of a wound of the heart that took place on the 7th of September 1896 in Frankfurt am

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Main. This operation put an end to the widespread belief that nature had set the heart beyond the limits of surgery. The successive development of heart surgery moved together with other advances that were rapidly taking place in various fields of medicine and surgery and which, already in the first half of the 20th century, had allowed surgical pioneers to successfully correct a number of congenital and acquired heart diseases by adopting closed-heart techniques. Undoubtedly, the most notable progress in the history of cardiac surgery took place between the second half of the 1950s and the end of the 1960s with the introduction of extra-corporeal circulation that allowed surgeons to perform interventions under direct vision within the bloodless heart chambers. This fundamental technological innovation fostered the development of surgical procedures that are still adopted to this day. Among these that must be mentioned are the correction of complex congenital heart diseases, the designing and creation of implantable prosthetic heart valves, the introduction of coronary artery surgery, the repair of severe diseases of the aorta, the commencement of heart transplantation, and the first implantation of an artificial heart. This book narrates these fascinating and sometimes dramatic events, as well as detailing some of the greatest pioneers of cardiac surgery.

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

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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.

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.

Highly Commended, BMA Medical Book Awards 2014  
The development of new techniques as

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well as the refinement of established procedures has led to great progress in cardiac surgery. Providing an ideal synopsis of the growth in this area, *Cardiac Surgery: Recent Advances and Techniques* systematically reviews all the new developments in cardiac surgery. 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.

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.

Now in its sixth edition, *Robert M. Bojar's Manual of Perioperative Care in Adult Cardiac*

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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

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classic and a must have for anyone involved in cardiac surgery." —Perfusion.com

**THE LANDMARK GUIDE TO ADULT CARDIAC, CONGENITAL CARDIAC, AND GENERAL THORACIC SURGERY--COMPLETELY UPDATED AND REVISED IN FULL COLOR** An essential guide for daily clinical practice and a thorough review for the cardiothoracic boards, Johns Hopkins Textbook of Cardiothoracic Surgery is filled with authoritative guidance on surgical techniques and pre- and postoperative strategies for managing cardiothoracic disease. The content of this trusted classic reflects the rapidly changing field of cardiothoracic surgery. In addition to the basic curriculum required for certification, you will find coverage of advanced concepts, controversial issues, and new technologies. Johns Hopkins Textbook of Cardiothoracic Surgery provides an in-depth look at the full-spectrum of disorders and their surgical and medical management options, including congenital, acquired, and neoplastic diseases. Supporting this detailed coverage is an easy-to-navigate design and step-by-step explanations of the most complex operations. **THE SECOND EDITION IS HIGHLIGHTED BY:** NEW board review Q&A Ten NEW chapters including: Surgical Therapies for Atrial Fibrillation, Management of Adults with Congenital Heart Disease, and Stem Cells for Cardiac Surgical Disease NEW full-color illustrations An increased number of decision-making flow charts that will prove valuable when preparing for cases and examinations Key Concepts that highlight epidemiology, pathophysiology, clinical features, diagnostic and treatment strategies, and outcomes for each topic **NOTE:** This book was previously known as the Johns Hopkins Manual of Cardiothoracic Surgery but the second edition has been renamed to better reflect its scope and comprehensive nature.

Written by clinicians, for clinicians, Cardiovascular Medicine and Surgery offers a

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comprehensive, authoritative, and multidisciplinary approach to this rapidly evolving field. Covering every area relevant to the daily practice of cardiovascular medicine, this new and innovative reference text, led by Drs. Debabrata Mukherjee and Richard A. Lange, brings together a stellar team of cardiovascular specialists from leading medical centers worldwide who focus on cutting-edge strategies for the clinical and surgical management of patients. Both medicine and surgery are highlighted in chapters along with follow-up care and changing technology to equip the clinician for optimal patient care. Highly structured and templated chapters cover pathogenesis, diagnosis, management, special considerations/limitations, follow-up care, and on-going and future research.

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 multidisciplinary 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.

This comprehensive, state of the art overview of pediatric and adult cardiac anesthesia brings together all the latest developments in this rapidly developing field. This text is intended both as a reference and for daily use by practicing and prospective anesthesiologists. Thoroughly updated for its third edition, *Anesthesia for Cardiac Surgery* fills the gap between encyclopaedic references and brief outlines, presenting just the right amount of information to guide trainees and practitioners who care for cardiac surgical patients. This edition features: The introduction of Dr Zvara as co-editor A new chapter on Special Considerations Practical clinical information coupled with comprehensive descriptions of physiology Key facts and tables summarized for convenient access This essential resource will prove invaluable for residents, fellows, and practicing anesthesiologists.

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

Interventional cardiology refers to the catheter-based treatment of cardiovascular diseases and is one of the fastest growing fields in medicine. This updated text addresses recent advances in structural heart interventions, in particular aortic and mitral valve procedures. The advent of newer technologies presents both opportunities and challenges for the cardiologist to treat patients optimally. Interventional cardiologists are now at the forefront of peripheral and structural

heart interventions. This new edition focuses on tailoring treatment to individual patients, taking into account specific risk factors and comorbidities, and appropriate use of devices. This second edition also provides useful tools, such as treatment algorithms, evidence tables, charts, tables, and illustrations to enhance the value of this volume as a practical reference tool. The online edition also includes several "how-to" videos.

"EACPR, European Association for Cardiovascular Prevention and Rehabilitation -- European Society of Cardiology."

Over 10 years after the publication of the second edition, Wiley now publishes the third edition of the popular volume *Surgery for Congenital Heart Defects*. Completely updated and expanded, this new edition describes step-by-step the surgical procedures for congenital heart defects and includes detailed illustrations for each operation. New in this edition are chapters on exercise testing, MRI, EP studies and catheter ablation of arrhythmias, extracorporeal circulatory support and paediatric lung transplantation. A greatly expanded ultrasound chapter contains numerous colour Doppler's of many conditions. *Surgery for Congenital Heart Defects, Third Edition*: Provides complete coverage of the current issues in paediatric cardiac surgery Offers tips and surgical techniques to master difficult surgical situations Uniquely displays detailed illustrations for each operation,

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allowing surgeons to follow all operating procedures step-by-step Serves both as reference and training manual

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