The Annals of Thoracic Surgery: New Approaches to Aortic Disease from Valve to Abdominal Bifurcation provides a complete look at aortic valve diseases from all points of view, including etiology, physiopathology, prevention, diagnosis and treatment. The book offers new insights into the aortic valve and pathology based on evidence of current diagnostic methods, treatments and post-surgery evolution. Content is split into three distinct parts for ease of reference, including an overview of aortic pathology, diagnostic evaluations methods, and treatments. Also included are guidelines and future research directions, making this a must-have volume for all cardiologists and cardiovascular surgeons who address significant issues in this topic area. Present pathophysiological sequences that are shown in correlation with histological details includes detailed clinical examinations and the value of the initial assessment using chest X-ray, echocardiography, angiography, CT angiography and magnetic resonance, etc. Provides conventional descriptions of surgical techniques that are entirely detailed, along with long-term results and possible complications.

Shields’ General Thoracic Surgery: The leading comprehensive reference on thoracic surgery is now in its Sixth Edition. Coverage of surgical oncology has been expanded. This edition also features state-of-the-art video-assisted procedures, new chapters on tracheostomy, and new techniques for lung cancer and paraesophageal hernia. Organized by anatomic region, this two-volume work offers comprehensive guidelines on surgical management of all adult and pediatric conditions. Coverage includes detailed information on diagnostic procedures, preoperative assessment, postoperative care, and relevant basic science and physiology. More than 2,000 images, drawings, and photographs complement the text.

Gastrointestinal Surgery: Advances in surgical technique and broadening indications for complex gastrointestinal procedures, surgical management of thoracic, hepato-pancreato-biliary, and colorectal diseases continues to evolve, but morbidity continues to be a persistent problem. This book provides a comprehensive, state-of-the-art, definitive reference for the diagnosis and management of difficult-to-manage complications following advanced gastrointestinal surgery. All chapters are written by experts in their field and include the most up-to-date clinical information from national and world leaders in their respective discipline. The text provides a practical, clinically useful guide that reviews risk factors for these complications and offers key information on how to avoid potentially high morbidity events in the perioperative period. It also discusses the management of these problems when they do occur. With its helpful guidelines and “tricks of the trade” to avoid potential complications, this book is essential to all medical professions treating such patients. Gastrointestinal Surgery: Management of Complex Perioperative Complications is of great value and utility for general surgeons, thoracic surgeons, upper
gastrointestinal surgeons, colorectal surgeons, hepato-pancreato-biliary surgeons, surgical oncology fellows, thoracic surgery fellows and upper level residents in general surgery.

Lung Volume Reduction Surgery Following on from the success of the international best-seller "Key Questions in Cardiac Surgery", the long-awaited "Key Questions in Thoracic Surgery" will be the next book in the Key Questions series to be released. This book will systematically cover all the main topics involved in the current practice of a thoracic surgeon. It will incorporate current guidelines for practice (such as from the American College of Chest Physicians, British Thoracic Society and European Respiratory Society) and up-to-date information based on current literature. Each chapter will be structured to include aetiology, pathophysiology, clinical features, indications for surgery, perioperative management, surgical options and postoperative care. Possible complications will be discussed and the results of current practice presented. Importantly, there will be a section on basic sciences related to the practising thoracic surgeon and a further section on thoracic investigations with many images illustrating the variety of pathologies. Each chapter will also contain important references for further reading and greater depth of knowledge. The data and body of knowledge presented in this book is strictly evidence-based and is relevant to all thoracic surgical trainees, at any stage of their training programme. It will provide residents, fellows and specialist registrars the necessary information to carry out their daily duties. Respiratory physicians and thoracic intensive care unit specialists will also find the book useful in terms of the indications and surgical management of these patients, as they are integral to the thoracic surgical process. Another important group is the nursing staff, physiotherapists and other professions allied to medicine working with patients with adult thoracic disease either pre-operatively or post-operatively, as it will help to give a detailed understanding of the principles surrounding thoracic surgical disease. Most importantly, the book is ideal as a revision aid for residents/registrar’s undertaking their Cardiothoracic Surgery Board examinations around the world. Although these examinations vary in format in different countries, this book is applicable to all cardiothoracic surgical trainees. Its concise, yet complete coverage of the important topics, make it the ideal guide to answer the key questions in thoracic surgery that are asked within the confines of an examination.

Complications in Cardiothoracic Surgery This 2nd Edition of the TSRA Review, edited by the Thoracic Surgery Residents Association (TSRA) and authored by thoracic surgery residents from the United States and North American training programs, is a summary of critical information that cardiothoracic surgeons need to be familiar with. This 2nd edition of the Review includes updated guidelines and additional chapters to offer a broad review of topics in General Thoracic Surgery, Adult Cardiac Surgery, Congenital Cardiac Surgery, and Cardiothoracic Trauma and Critical Care. The TSRA is an organization that represents all thoracic surgery residents in the United States.

Cardiothoracic Surgery, An Issue of Surgical Clinics, E-Book 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 is it 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.

Current Management Guidelines in Thoracic Surgery

Pearson's thoracic and esophageal surgery This issue of Surgical Clinics of North America focuses on Cardiothoracic Surgery, and is edited by Dr. John H. Braxton. Articles will include: Review of ICU Management of the Cardiac and Thoracic Surgery Patient and the Team Approach; Minimally Invasive and Robotically Assisted Cardiac Surgery; Surgical Treatment of Heart Failure; The Changing Face of the Cardiothoracic Surgical Team; Thoracic Trauma and Management; Minimally Invasive and Robotically Assisted Thoracic Surgery; The Impact on Less Invasive Surgery on Esophageal Diseases; Lung Cancer Screening and its Impact of Surgical Volume; The Surgical Treatment of Coronary Artery Occlusive Disease: Modern Treatment Strategies for an Age Old Problem; Transcutaneous Valve Repair and Update; Robotic Lobectomy and Segmentectomy: Technical Details and Results; Diagnostic Imaging and Newer Modalities for Thoracic Diseases: PET Imaging and EBUS for Staging and its Implication for Lung Cancer; Mitral Valve Repair: French Correction vs. American Correction; Cardiac Screening in the
Key Questions in 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

Robotic 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

Surgical Treatment of Atrial Fibrillation

It is the practical experience gained in the operating room and on the wards dealing with complications and deviations from the typical or average scenario that matures and fully develops a surgeon. The typical textbook demonstrates the “right” or standard way to do things and the implicit assumption is that if these guidelines are followed then the patient and the surgeon's life will be complication free. Good results come from experience and experience is gained by making mistakes. The goal of this book is to minimize the frequency of surgical complications and maximize the outcome when they do occur by allowing the reader to learn from the operative and clinical experience of those who have gone before so that each generation can collectively stand on the shoulders of the preceding generation without the need to learn from one's own complications. This book is therefore designed less to address indications for operations than how to carry them out and provide postoperative care without complications. While the authors of the various chapters address the correct or right way to perform operations and care for patients after surgery, they have also been tasked to address and emphasize specific dos and don'ts for both intraoperative techniques and postoperative care that will reduce the incidence of complications. As some complications, alas, are inevitable, also addressed are the issues of timely recognition and appropriate treatment of complications when they do occur despite best efforts.
Core Topics in Cardiothoracic Critical Care

Practive Guidelines in Cardiothoracic Surgery

Cardiac Surgery

Technical Aspects of Modern Coronary Artery Bypass Surgery A report on recommended clinical preventive services that should be provided to patients in the course of routine clinical care, including screening for vascular, neoplastic and infectious diseases, and metabolic, hematologic, ophthalmologic and ontologic, prenatal, and musculoskeletal disorders. Also, mental disorders and substance abuse, counseling, and immunizations/chemoprophylaxis. Tables.

Difficult Decisions in Thoracic Surgery A wake thoracic surgery is a new surgical field that is set to expand in the near future. Employing sole epidural or local anaesthesia in fully awake patients renders many thoracic surgical procedures doable with less invasiveness and general anaesthesia.

New Approaches to Aortic Diseases from Valve to Abdominal Bifurcation Publisher’s Note: Products purchased from 3rd Party sellers are not guaranteed by the Publisher for quality, authenticity, or access to any online entitlements included with the product. The gold standard thoracic surgery reference for 45 years, Shields’ General Thoracic Surgery remains your #1 resource for comprehensive coverage of both open and endoscopic surgical techniques, with commentary from more than 150 global experts in the field. This two-volume masterwork covers all facets of thoracic disease, enhanced with dynamic audio and visual content, colorful graphics, and an authoritative analysis of the world’s literature and electronic data - making this 8th Edition the most extensive and concise collection of practical, complete information available for today’s busy clinician.

Guidelines on Myocardial Revascularization

Patient Blood Management in Cardiac Surgery Most patients with critical cardiac or thoracic conditions will at some stage pass through the cardiothoracic critical care unit. Critical care presents more complex clinical data than any other area of medicine. The new edition of Core Topics in Cardiothoracic Critical Care focuses on the latest practise in the management of patients in cardiothoracic intensive care. The practice of cardiothoracic critical care medicine is constantly evolving, and this new edition reflects the modernized learning styles for trainees. Each chapter includes key learning points as well as sample multiple choice questions and answers to assist in exam preparation. This edition also features updated chapters on ECMO, perioperative management of patients undergoing emergency cardiothoracic surgery, and advanced modes of organ support for patients. This text provides key knowledge in a concise and accessible manner for trainees, clinicians and consultants from specialities and disciplines such as cardiology and anaesthesia, and nursing and physiotherapy.

Key Questions in Thoracic Surgery This book reviews and describes the best practices of anesthesia in thoracic surgery, according to evidence-based medicine. It covers preoperative assessment, applied pharmacology, airway management and ventilation methods. The analgesic methods in this surgical specialty are also discussed. This book is aimed at all specialists in the world of anesthesiology and critical care as well as to physicians in training. It may also be of interest to thoracic surgeons and pulmonologists.

Principles and Practice of Cardiothoracic Surgery This is the first textbook to focus on Aortopathy, a new clinical concept for a form of vasculopathy. The first section of the book starts from discussing general concept and history of Aortopathy, and then deals with its pathophysiology, manifestation, intrinsic factor, clinical implication, management and prevention. The second part closely looks at various disorders of the Aortopathy such as bicuspid aortic valve and coarctation of aorta. The book editors have published a lot of works on the topic and have been collecting relating data in the field of congenital heart disease for the past 20 years, thus present the book with confidence. The topic - an association of aortic pathophysiological abnormality, aortic dilation and aorto-left ventricular interaction - is getting more and more attention among cardiovascular physicians. This is the first book to refer for cardiologists, pediatric cardiologists, surgeons, ACHD specialists, etc. to acquire thorough knowledge on Aortopathy.
Cardiothoracic Surgery

TSRA Review of Cardiothoracic Surgery (2nd Edition) 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.

Manual of Perioperative Care in Adult Cardiac Surgery Presented by the American College of Surgeons and the Alliance for Clinical Trials in Oncology, the first comprehensive, evidence-based examination of cancer surgery techniques as standards distills the well-defined protocols and techniques that are critical to achieve optimal outcomes in a cancer operation. This unique, one of a kind collaboration between the American College of Surgeons and the Alliance for Clinical Trials in Oncology focuses on best practices and state-of-the-art methodologies. Operative Standards for Cancer Surgery clearly describes the surgical activities that occur between skin incision and skin closure that directly affect cancer outcomes.

Anesthesia in Thoracic Surgery This issue highlights management issues surrounding specific subjects within the clinical practice of thoracic surgery. The articles represent areas of thoracic surgery where there may be controversy, lack of consensus, or evolution. Each author summarizes the available literature with the addition of his or her own personal expertise.

Guide to Clinical Preventive Services In this issue of Thoracic Surgery Clinics, guest editor Farid Shamji brings considerable expertise to the topic of Lung Cancer. Provides in-depth, clinical reviews on Lung Cancer, providing actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field; Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews.

Aortopathy This updated volume provides a practical guide to decision making within thoracic surgery. Focussed chapters contain pithy analyses and recommendations that allow useful information to be identified at a glance. All new chapters bring insight into the challenges faced operating on the lung, esophagus, diaphragm, airway, pleura, mediastinum, and chest wall. Difficult Decisions in Thoracic Surgery aims to help the reader navigate the complexities of thoracic surgery through clearly formatted and evidence-based chapters. The book is relevant to practicing and trainee surgeons, as well as medical professionals working within thoracic surgery.

General Thoracic Surgery Lung Cancer Screening is reviewed extensively in this important Thoracic Surgery Clinics of North America issue. Articles include: CT screening: The Early Lung Cancer Action Program Experience; Lung Cancer Screening: The Mayo Experience; National Lung Screening Trial; Health Risks from CT Lung Cancer Screening; The European Perspective of Lung Cancer Screening; Surgeons and Lung Cancer Screening: Rules of Engagement; The National Comprehensive Cancer Network Recommendations for Lung Cancer Screening; The United States Preventive Services Task Force Recommendations for Lung Cancer Screening; Current Estimate of Costs of Lung Cancer Screening in the US; Refining Strategies to Identify Population to be Screened for Lung Cancer; Long-term Oncologic and Financial Implications of Lung Cancer Screening; and more!

Thoracic Surgery in Children and Adolescents Surgical Treatment of Atrial Fibrillation: A Comprehensive Guide to Performing the Cox-Maze IV Procedure is the first all-inclusive description of this rapidly growing surgery, setting the standard in the field. The Cox-Maze IV procedure is a complex surgery, and its success depends critically on correct execution. With FDA approval, the first RF ablation device for treatment of the Cox-Maze IV procedure has become more important than ever to combine scientific information for the procedure with its connection to human application. This comprehensive text provides step-by-step instructions from an experienced Cox-Maze IV surgeon and is written in the style of a mentor advising his mentee in the operating room. It contains over a dozen lessons described in detail, with illustrations, photographs and a discussion of possible complications and appropriate ways to deal with them. Additionally, the book describes sequencing for the surgeries that are typically performed
concomitant with the Cox-Maze IV procedure, determining the optimal way to combine surgeries. Cardiac
surgeons, fellows in cardiac surgery, medical students inclined toward cardiac surgery and cardiology
researchers will find this book to be of great importance to their work. Offers access to video clips that
show the steps of the Maze procedure, the techniques involved and the pitfalls that need to be avoided.
Includes coverage of post-procedure management of patients, including assessment, patient follow-up,
typical complications and participation in outcome databases. Provides a detailed discussion of the
different energy sources used for the procedure. Presents guidelines for sequencing and/or combining
concomitant surgeries.

A wake Thoracic Surgery A panel of recognized authorities comprehensively review the medical, surgical,
and pathophysiologic issues relevant to lung volume reduction surgery for emphysema. Topics range from
the open technique and video-assisted thoracoscopic approaches to LVRS, to anesthetic management, to
perioperative and nursing care of the patient. The experts also detail the selection of candidates for LVRS,
the clinical results and clinical trials in LVRS, and the effects of LVRS on survival rates.

Operative Standards for Cancer Surgery The diagnosis and treatment of both congenital and acquired
thoracic pathologies in children and adolescents require a high degree of specialization. This book
provides practical guidelines for thoracic surgeons who operate on patients from neonatal age to
adolescence and for pediatric surgeons who are challenged to treat disorders such as cystic
malformations of the lung, mediastinal tumors, or chest wall deformities. The chapters, written by
internationally acclaimed authors, include expert commentaries with tips and tricks for the clinical practice.
Plus: QR codes for access to videos of surgical procedures (If you have problems to play the videos on
your apple device please download the file "download all videos" below).

Practice Guidelines in Cardiothoracic Surgery Highly Commended, BMA Medical Book Awards 2014
The development of new techniques as 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.

The leading comprehensive reference on thoracic surgery is now in its Sixth Edition. Coverage of surgical
oncology has been expanded. This edition also features state-of-the-art video-assisted procedures, new
chapters on tracheostomy, and new techniques for lung cancer and paraesophageal hernia. Organized by
anatomic region, this two-volume work offers comprehensive guidelines on surgical management of all
adult and pediatric conditions. Coverage includes detailed information on diagnostic procedures,
preoperative assessment, postoperative care, and relevant basic science and physiology. More than
2,000 images, drawings, and photographs complement the text.

General Thoracic Surgery Winner of a HIGHLY COMMENDED AWARD in the Surgical specialties
category of the 2011 BMA Medical Book Competition. Key Questions in Cardiac Surgery will
systematically cover all the main topics involved in the current practice of a cardiac surgeon. It will
incorporate current guidelines for practice (such as from the American Heart Association and European
Society of Cardiology) and up-to-date information based on current literature. The data and body of
knowledge presented in this book are strictly evidence-based which makes it ideal as a revision aid for
residents/registrars undertaking their Cardiothoracic Surgery Board examinations around the world.
Although these examinations vary in format in different countries, this book is applicable to all
cardiothoracic surgical trainees. Its concise, yet complete coverage of the important topics, make it the
ideal guide to answer the key questions in cardiac surgery that are asked within the confines of an
examination. Cardiologists, cardiothoracic intensive care unit specialists, nursing staff, physiotherapists
and other professions allied to medicine, both surgical and cardiological, will also find the book useful in
terms of the indications and surgical management of these patients, as they are integral to the cardiac
surgical process.

Shields' General Thoracic Surgery This book provides a multidisciplinary approach to the maintenance of
hemostasis and minimisation of blood loss in patients undergoing cardiac surgery. All aspects of patient
blood management are covered that may contribute to a reduction in perioperative bleeding and
transfusion requirements in cardiac surgery. This is achieved through practical cases and a theoretical
background that gives a better understanding of patient hemostasis and the occurrence of bleeding.
complications. This book is relevant to cardiac surgeons, anesthesiologists, clinical perfusionists, hematologists and intensivists.

Lung Cancer Screening, An Issue of Thoracic Surgery Clinics, 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. Changqing Gao, M D, is a professor at the Department of Cardiovascular Surgery, PLA General Hospital, Beijing, China.

Lung Cancer 2021, Part 1, An Issue of Thoracic Surgery Clinics This issue highlights management issues surrounding specific subjects within the clinical practice of thoracic surgery. The articles represent areas of thoracic surgery where there may be controversy, lack of consensus, or evolution. Each author summarizes the available literature with the addition of his or her own personal expertise.

Health Care Standards The last century has witnessed tremendous changes in the education and training system of medical students, as well as medical and surgical residents, in short, our future physicians. This has been the result of the changes in the educational philosophy, the technology, and the needs of our patients, just to name a few. The challenge is to learn more about the various systems in medical education throughout the world and identify advantages and disadvantages, a process from which we can all (and most importantly our patients) benefit from. This book is a compilation of the experiences, thoughts, and "best-practice" advice of a panel of international experts on medical and surgical education.

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