

# COMPREHENSIVE SURGICAL MANAGEMENT OF CONGENITAL HEART DISEASE SECOND EDITION (DOWNLOAD ONLY)

## Critical Appraisal for FCEM

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 achieve success in their FCEM and MCEM examinations.

## Concise Paediatrics, Second Edition

Concise Paediatrics, Second Edition is essential reading for all postgraduates training in paediatrics, particularly when preparing for the MRCPCH exam, and for general practice trainees preparing for the DCH exam. As a comprehensive but concise reference to any condition they are likely to encounter on the wards or in the accident and emergency room, it will also be invaluable to doctors in other medical specialties who come into contact with children on a regular basis. The book is designed to provide readers with a full understanding of all of the areas covered by the MRCPCH. It is structured logically by body system, with additional chapters on such topics as genetics, infectious disease, neonatology and emergencies. Edited by two highly experienced paediatricians—their knowledge complemented by a group of specialist contributors—it is written in a succinct, user-friendly style and includes lists, boxes and annotated diagrams to aid learning and retention of the facts. Since the first edition was published in 2000, Concise Paediatrics has established itself as the textbook of choice for MRCPCH candidates, and will remain a "must-have" with this revised and updated second edition.

## Congenital Heart Disease in Pediatric and Adult Patients

Congenital Heart Disease in Pediatric and Adult Patients: Anesthetic and Perioperative Management provides a comprehensive, up-to-date overview of care of the pediatric patient undergoing cardiac surgery and anesthesia. After introductory chapters that encompass pediatric cardiovascular embryology, physiology and pharmacology, diagnostic approaches and preoperative considerations are explained. The intraoperative management of a wide range of specific lesions is then discussed, with full descriptions of anesthesia plans added with descriptions on diagnostic methods and surgical interventions. Postoperative care is also addressed, and a concluding section considers anesthesia outside the cardiac operating room. In the twenty-first century, advances in minimally invasive technology have led to the introduction of a wide array of pediatric cardiac procedures. More traditional surgical procedures have also been transformed by new

devices and surgical approaches. The cardiac anesthesiologist is faced with an ever-increasing role in the perioperative care of pediatric patients undergoing cardiologic procedures in operating rooms, as well as less conventional locations. In this book, accomplished experts from around the world in the fields of pediatric anesthesia, cardiology, and cardiac surgery describe the multiple facets of caring for this very unique patient population.

## **Pediatric and Congenital Cardiology, Cardiac Surgery and Intensive Care**

This thoroughly updated key reference is an innovative project that provides a continuous editorial effort to update scholarly information related to the comprehensive prevention, management and follow-up of congenital and acquired cardiac pathologies. It illustrates the need for interdisciplinary collaboration and evidence-based practices as well as perspectives of future modalities of patient care. Included are interactive videos with the most common interventions, online access to practical learning activities and to the comprehensive scores and database information. This second edition of *Pediatric and Congenital Cardiology, Cardiac Surgery and Intensive Care* is a universal and practical review of management of critically ill children and adults with congenital heart disease, based upon taskforce decisions and the cumulative experience of the world leaders in the field.

## **Pediatric Cardiac Surgery**

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

## **Surgery for Congenital Heart Defects**

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

## **Surgical Management of Congenital Heart Disease II**

Approximately 120 different surgical procedures are used to correct congenital heart diseases, and the burden

that this places on the surgeon is compounded by the exceptional complexity of the techniques and the rarity of many of the lesions. Training is problematic, not least because of legal issues, and currently available texts, drawings, and images are no substitute for real 'live' surgery. Against this background, the authors have set out to create an interactive multimedia manual that covers many aspects of congenital heart surgery. Each heart defect is addressed in an individual chapter, elaborating specific surgical anatomy and indication for surgery of heart defect first, followed by video clips depicting the operative approach and technique. The clips are accompanied by a clear descriptive narrative, and patient history and diagnostic images are available to provide a clear backdrop to the operation. The chosen format makes this manual not only a very powerful teaching tool for practicing cardiac surgeons and surgeons in training but also a valuable source of information for related services such as pediatric and adult cardiologists, cardiac anesthesiologist, cardiac intensivists, perfusionists and medical students.

## **Johns Hopkins Textbook of Cardiothoracic Surgery, Second Edition**

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.

## **Congenital Heart Defects**

Expressly created to assist with decision making for surgical treatment of congenital heart defects, this new reference covers all relevant aspects. The congenital heart defects are presented with each chapter devoted to a single malformation, with incidence, morphology, associated anomalies, pathophysiology, diagnosis (including clinical pattern, electrocardiogram, chest X-ray, echocardiogram, cardiac catheterization with angiography), indications for surgical treatment, details of surgical treatment, potential complications and literature references. Morphology, pathophysiology and surgical treatment of the defects are explained with schematic drawings, while images taken from morphologic specimens, echocardiographic and angiographic investigations as well as from intra-operative photographs illustrate better than any words the key points of the decision-making process for the surgical treatment of congenital heart defects.

## **Critical Heart Disease in Infants and Children E-Book**

Features comprehensive updates throughout the text, including indications, techniques, potential complications in perioperative management of patients, and surgical techniques for congenital heart disease. Covers recent advances in the treatment of pulmonary hypertension, developments in mechanical assist devices, heart and lung transplantation, and interventional cardiac catheterization. Features an all-new, full-color format that speeds navigation and helps clarify complex concepts. Contains 27 new chapters with an

emphasis on the team approach to patient care in the ICU including creating multidisciplinary teams, quality and performance improvement, training, and challenges and solutions to developing a cohesive team environment. Includes a detailed chapter on bedside ultrasound, walking you through the techniques you're most likely to encounter in the ICU. Employs well-documented tables, text boxes, and algorithms to make clinical information easy to access, and to provide a more complete understanding of echocardiography, imaging modalities, pulmonary hypertension, and more. Describes the basic pharmacology and clinical applications of new pharmacologic agents. Examines issues affecting adults with congenital heart disease.

## **Critical Care of Children with Heart Disease**

This extensively revised new edition comprehensively reviews the medical and surgical management of the acutely-ill child with congenital and acquired cardiac disease. It enables the reader to gain a thorough understanding of basic and practical concepts of anatomy, pathophysiology, surgical techniques and peri-operative management in this group of patients. Extensively revised chapters cover the management of cardiac patients on extracorporeal membrane oxygenation, hemofiltration, and plasma exchange. New topics covered include the use of pharmaceuticals in cardiac intensive care, the implications of interventional cardiology in pediatric intensive care and ventricular assist devices. Practically relevant guidelines are also included for cardiovascular nurses. *Critical Care of Children with Heart Disease* presents a thorough review of the practical concepts, available treatment techniques, and the challenges associated with managing these patients in the critical care unit. It represents a timely and valuable textbook reference for students and practising healthcare professionals alike seeking to learn or further their understanding of the latest advances in this discipline.

## **Congenital Heart Defects, Simplified**

Medical textbook that teaches the embryology, development, effects, treatment and surgical repairs for congenital heart disease.

## **Comprehensive Approach to Adult Congenital Heart Disease**

In the United States, there are approximately 1 million adults with congenital heart disease, with 20,000 new patients reaching adolescence each year. With early pediatric diagnosis, improved medical, surgical and post operative care, it is now expected that 90% of patients born with congenital heart disease (CHD) will survive to adulthood. Therefore, the number of adult CHD (ACHD) patients will continue to rise. In fact, it is now estimated that for the first time in history, there are more adults living with CHD than children. The cardiologist who deals with these patients must therefore be familiar with congenital heart lesions in their uncomplicated state and know appropriate testing and follow-up methods. Also the inherent complexity of this type of cardiovascular disease really needs a comprehensive, multimedia included, practical and case base approach and assessment. The aim of this book is to provide a case base approach to adult patients with congenital heart disease including all diagnostic and treatment methods focus on physical exam, ECG, chest X-Ray, heart sounds, advanced echocardiography including of TTE & TEE, cardiac CT, CMR, catheterization, interventional procedures, surgery and also anesthesia highlights in these patients.

## **Intensive Care of the Adult with Congenital Heart Disease**

Dedicated to the critical management of acutely ill adults with congenital heart disease, this comprehensive book discusses the many challenges faced in the management of these patients, who require intensive inter- and trans-disciplinary care. It provides the first universal review of the practical management of patients with these complex conditions, who survive into adulthood with congenital cardiac malformations and are often affected by other morbidities. For this reason, it reflects a consistent interaction and collaboration between several disciplines: pediatric and adult cardiology, cardiac surgery, pediatric and adult cardiac intensive care, anesthesia, intensive care nursing, nutrition, psychology and many other specialties. It offers concise and

pragmatic recommendations, and provides basic and advanced concepts that allow caregivers to anticipate, prevent and effectively treat such pathologies. The book also includes chapters focusing on cardiac-database and risk-factor assessment, organizational and operational topics, advanced mechanical circulatory assistance and pharmacology. Whilst bringing together top international experts who are leading reference programs around the globe, this book is an indispensable teaching tool for clinicians and caregivers involved in the management of critically ill adults with congenital heart disease.

## **Congenital Cardiac Surgery**

Congenital Heart Disease: New Insights for the Healthcare Professional: 2011 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Congenital Heart Disease in a concise format. The editors have built Congenital Heart Disease: New Insights for the Healthcare Professional: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Congenital Heart Disease in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Congenital Heart Disease: New Insights for the Healthcare Professional: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

## **Congenital Heart Defects. Decision Making for Surgery**

Following on from the success of the international bestseller Key Questions in Cardiac Surgery, the long awaited Key Questions in Congenital Cardiac Surgery is the latest book in the Key Questions series to be released. Key Questions in Congenital Cardiac Surgery systematically covers all the main topics involved in the current practice of a congenital cardiac surgeon, incorporating current guidelines for practice (such as from the American College of Cardiology, American Heart Association, British Paediatric Cardiac Association and European Society of Cardiology) and up-to-date information based on current literature. Each chapter is structured to include the etiology, pathophysiology, clinical features, indications for surgery, peri-operative management, surgical options and postoperative care. Possible complications are discussed and the results of current practice presented. Importantly, a section on basic sciences related to the practising congenital cardiac surgeon and a further section on congenital cardiac investigations with many images illustrating the variety of pathologies are included. Each chapter also contains 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 congenital cardiac surgical trainees, at any stage of their training programme. It provides residents, fellows and specialist registrars the necessary information to carry out their daily duties. Congenital cardiologists and pediatric cardiac intensive care unit specialists also find the book useful in terms of the indications and surgical management of these patients, as they are integral to the congenital cardiac surgical process. Another important group is the nursing staff, physiotherapists and other professions allied to medicine working with patients with congenital cardiac disease either pre-operatively or postoperatively, as the book helps to give a detailed understanding of the principles surrounding congenital cardiac surgical disease. Most importantly, the book is 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 congenital cardiac surgery that are asked within the confines of an examination.

## **Congenital Heart Disease: New Insights for the Healthcare Professional: 2011 Edition**

Written by an expert author team at the renowned Boston Children's Hospital, USA, The Pediatric Cardiac Anesthesia Handbook provides a comprehensive yet concise overview of the anesthetic management of

pediatric patients with congenital heart disease. This book is divided into two parts. The first part provides an introduction to the basic assessment of patients, including cardiovascular physiology, pathophysiology and the underlying concepts in coronary heart disease, preoperative evaluation, intraoperative management, and interpretation of cardiac catheterization data. The second part of the book addresses disorders and diseases in a templated manner covering the anatomical and physiological features, surgical therapies, anesthetic approach and postoperative management. Chapters on the heart and heart and lung transplantation consider the additional complexities of those patients and anesthetic considerations for non-cardiac surgery after heart transplantation. The anesthesiologist caring for patients with congenital heart disease faces a myriad of challenges in the perioperative management of these complex individuals. This book provides: A concise and easily referable guide ideal for use during anesthesiology residency training and fellowships. A templated chapter layout ideal for easy referral by wider members of the multidisciplinary team, such as cardiologists, cardiac intensivists, perfusionists, and surgeons. Helpful illustrations and a bulleted content for rapid reference. Guidelines on specific lesions for the pediatric anesthesiologist caring for cardiac patients presenting for non-cardiac surgery. This book is a valuable resource for all anesthesiology and cardiac critical care providers who manage patients with congenital heart disease, and an ideal study aid.

## **Key Questions in Congenital Cardiac Surgery**

This text and guide discusses the surgical and medical management of congenital heart diseases in both adult and children. It describes the disease, pathology, treatment, complications and follow-up with extensive use of didactic material to educate the reader to the practicalities of the subject. It details the novel research via an extensive literature review, while covering all aspects of the surgical and medical treatment of congenital heart disease. It includes review of the laparoscopic techniques and epidemiology of each disease involved and their prevalence to provide the reader with the full clinical picture. *Clinical and Surgical Aspects of Congenital Heart Diseases: Text and Study Guide* provides a thorough practical reference for the discipline with the use of illustrations and charts to facilitate understanding. It is essential reading for all trainee and practicing cardiac surgeons, cardiologists and internists, and all interested healthcare professionals.

## **The Pediatric Cardiac Anesthesia Handbook**

Approximately 120 different surgical procedures are used to correct congenital heart diseases, and the burden that this places on the surgeon is compounded by the exceptional complexity of the techniques and the rarity of many of the lesions. Training is problematic, not least because of legal issues, and currently available texts, drawings, and images are no substitute for real 'live' surgery. Against this background, the authors have set out to create an interactive multimedia manual that covers many aspects of congenital heart surgery. Each heart defect is addressed in an individual chapter, elaborating specific surgical anatomy and indication for surgery of heart defect first, followed by video clips depicting the operative approach and technique. The clips are accompanied by a clear descriptive narrative, and patient history and diagnostic images are available to provide a clear backdrop to the operation. The chosen format makes this manual not only a very powerful teaching tool for practicing cardiac surgeons and surgeons in training but also a valuable source of information for related services such as pediatric and adult cardiologists, cardiac anesthesiologist, cardiac intensivists, perfusionists and medical students.

## **Clinical and Surgical Aspects of Congenital Heart Diseases**

*Fundamentals of Congenital Minimally Invasive Cardiac Surgery* is a first of its kind, fully-illustrated guide that is solely dedicated to the most diffused congenital minimally invasive cardiac surgery procedures. It provides detailed, step-by-step descriptions of surgical maneuvers to underline each aspect of the procedures along with full color drawings and operative pictures to enhance understanding. Each chapter fully describes the preoperative setting, the needed materials and the required technical skills that make specific congenital heart defects amenable to minimally invasive surgical treatment. This is the perfect go-to reference for pediatric and congenital cardiac surgeons, and is also a must-have guide for residents in cardiac surgery who

are looking to review the technical aspects and outcomes of utilizing a minimally invasive approach for cardiac surgery.

## **Surgical Management of Congenital Heart Disease I**

This book describes the most popular topics concerning adult congenital heart disease (ACHD), especially focusing on indications and re-intervention procedures for some major ACHDs. Thanks to advances in medical and surgical therapy for congenital heart disease over the last half century, many patients who underwent surgical correction reached adulthood. However, as can be seen from the explosive increase in the number of ACHD patients, postoperative residua and sequelae have also become apparent. The purpose of this book is to highlight complicated problems in connection with ACHD, including its present status, as well as methods for its management including medical and surgical treatment. The content primarily focuses on two areas – general information for cardiologists, and information on re-intervention for interventionists and cardiac surgeons –, setting it apart from the majority of books on congenital heart disease.

## **Fundamentals of Congenital Minimally Invasive Cardiac Surgery**

Cardiac catheterization has long been a central diagnostic modality in the evaluation of children, adolescents, and adults with congenital heart disease, and in children with acquired heart disease. Over the past two decades, transcatheter interventions have become equally important in the treatment of pediatric and congenital heart disease. Some transcatheter therapies have become established as the standard of care for congenital cardiovascular anomalies previously managed surgically, others serve to supplement surgery in the integrated management of complex lesions, and still others are in their infancy, as pediatric interventional cardiology continues to advance in step with the broader field of pediatric cardiovascular medicine. Since the previous edition of this book, new technologies and techniques have been introduced to the field of pediatric interventional cardiology, much has been learned about established transcatheter therapies, and there has been a substantial increase in the volume of published data on outcomes of transcatheter procedures in congenital and pediatric heart disease. With increasing experience, the role of interventional catheterization has become solidified as an integral component of the comprehensive management of patients with essentially all forms of congenital heart disease. Cardiac catheterization has also become established as a distinct subspecialty within the discipline of pediatric cardiology, and at many centers has become the purview of cardiologists who have received specialized training in interventional catheterization and whose practice is focused on catheterization. This book is targeted to trainees and established interventional cardiologists alike, and is intended as a comprehensive reference for the clinical practice of diagnostic and interventional cardiology in pediatric and congenital heart disease. In the organization of this book, a combination of procedure-based and problem-based approaches has been employed. The structure of the book has been updated to make it more reader friendly, chapters have been added to address new techniques and problems in the field, and greater emphasis has been placed on evaluation of outcomes of transcatheter interventions in congenital heart disease. Section 1 covers the fundamentals of cardiac catheterization, with chapters devoted to pre-procedure patient evaluation, sedation and anesthesia, vascular access and related issues, catheterization equipment and its use, hemodynamic evaluation, angiography, radiation and radiation safety, and echocardiography in the catheterization lab. Sections 2 through 4 include procedure-based chapters that are organized according to the technical type of intervention. Section 2 is devoted to transcatheter interventions for obstructive lesions, including valvar stenoses and vascular obstructions. Section 3 includes chapters that cover interventions to close various pathologic intracardiac communications and vascular anomalies. Section 4 includes chapters covering interventions performed to create or enlarge intracardiac communications, as well as other interventions. Section 5 focuses on the applications of catheterization and transcatheter interventions in the evaluation and management of specific patient populations. This problem-based or patient-based focus, which is substantially expanded from the previous edition of the book, reflects the expanding role of catheterization in the comprehensive management of pediatric and congenital heart disease, and addresses emerging applications of transcatheter interventions, including management of the patient receiving extracorporeal circulatory support, hybrid transcatheter-

surgical interventions, and prenatal cardiac intervention. Section 6 includes two chapters that cover outcome assessment and regulatory issues pertinent to the pediatric cardiology in general and interventional cardiology in particular.

## **Adult Congenital Heart Disease**

Congenital heart disease (CHD) is a problem with the structure and function of the heart that is present at birth and is the most common type of birth defect (PubMed Health). This comprehensive guide offers a step by step approach to the diagnosis and management of different types of CHD, at different stages of life. Beginning with an introduction to the development of the foetal cardiovascular system and genetic, the following section discusses the basics of heart examination, radiography and terminology. Each section progresses through different conditions and examines the transition of care into adulthood and long term issues facing adults with CHD. Key points Comprehensive, step by step guide to congenital heart disease (CHD) Covers diagnosis and management of CHD disorders at all stages of life Internationally recognised author and editor team Includes more than 1000 full colour images and illustrations

## **Diagnostic and Interventional Catheterization in Congenital Heart Disease**

The Illustrated Field Guide to Congenital Heart Disease and Repair - Folio, 2nd Edition was created as an alternative to the pocket-sized visual resource for pediatric cardiologists, nurses, residents, and medical students. In addition, it is intended as a quick reference for anesthesiologists, general pediatricians and adult cardiologists who see only the occasional patient with congenital heart disease. Profusely illustrated with chapters covering: 1) Normal & Fetal Circulation 2) Congenital Heart Defects 3) Echocardiography 4) Electrophysiology 5) Catheterization Interventions 6) Surgical Repair 7) ICU Post-operative care 8) Cardiac Pharmacology Written by leaders in the specialty, with illustrations by renowned illustrators Paul and Jasper Burns.

## **Nadas' Pediatric Cardiology**

This book sheds new light on the diagnosis and treatment of Heart Failure in adult patients with congenital heart disease. This is a rapidly growing clinical issue for this group of patients and the clinical teams caring for them. The book highlights the major clinical dilemmas in diagnosing heart failure in patients with a lifelong cardiac condition and describes in details the utility of biomarkers, complex imaging and functional tests, e.g. the cardiopulmonary exercise testing. A step-wise approach to treatment is described from drug therapy through to devices and transplantation. As such, the book offers an essential guide for cardiologists and cardiac surgeons looking to optimize the management of patients with delicate physiology and complex disease.

## **A Comprehensive Approach to Congenital Heart Diseases**

A distinguished list of contributors from some of the major international centers covers this specialty like never before. With recent advances in ultrasound technology and pharmacology the expertise required to care for a critically ill child with heart disease takes an integrated approach with a multidisciplinary team and central focus. This resource provides comprehensive discussions of pertinent cardiac issues in the ICU setting with emphasis on perioperative care.

## **Illustrated Field Guide to Congenital Heart Disease and Repair - Folio - Second Edition**

Designed to meet the needs of clinicians working with adults with congenital heart disease, Diagnosis and Management of Adult Congenital Heart Disease, by Drs. Michael A. Gatzoulis, Gary D. Webb, and Piers E. F. Daubeney, offers essential guidance on the anatomical issues, clinical presentation, diagnosis, and



treatment options available to practitioners today. This latest edition features completely updated content, including new information for nurses and nurse practitioners who, now more than ever, are playing an important role in the care of adults with CHD. You'll also access four new chapters, illustrated congenital defects, coverage of long-term outcomes, and much more. Drs. Gatzoulis, Webb, and Daubeney lead a team of experts ideally positioned to provide state-of-the-art global coverage of this increasingly important topic. Each disease-oriented chapter is written to a highly structured template and provides key information on incidence, genetics, morphology, presentation, investigation and imaging, and treatment and intervention. Congenital defects are illustrated with full-color line drawings and by the appropriate imaging modality (for example, EKG, x-ray, echocardiogram, MRI, CT, ). Provides coverage of long-term outcomes, including the management of pregnant patients and patients undergoing non-cardiac surgery. Features the addition of four new chapters: A Historic Perspective; Quality of Life in Patients with Pulmonary Hypertension; Psychosocial Issues in ACHD; Supportive and Palliative Care for End-Stage ACHD.

## **Heart Failure in Adult Congenital Heart Disease**

A practical approach to the investigation and treatment of adult congenital heart disease (ACHD), this fully updated Oxford Specialist Handbook is a concise and accessible overview of a complex condition. Packed with straightforward advice, management strategies and key clinical points, it equips clinicians with a sound understanding of the principles and physiology of ACHD. An ideal reference tool for cardiology trainees, general cardiologists and acute medicine physicians, this second edition of Adult Congenital Heart Disease has been fully reviewed to include new guidelines and increased illustrations to aid understanding. Brand new chapters on epidemiology, heart failure, device therapy and transition and transfer of care ensure that Adult Congenital Heart Disease remains the definitive guide to supporting clinicians throughout all aspects of the patient's care.

## **Pediatric Cardiac Intensive Care**

The first edition of this text, edited by two of the world's most respected pediatric cardiologists, set the standard for a single-volume, clinically focused textbook on this subject. This new edition, revised and updated by contributors representing today's global thought leaders, offers increased coverage of the most important current topics, such as pediatric electrophysiology, congenital heart disease, cardiovascular genetics/genomics, and the identification and management of risk factors in children, while maintaining the clinical focus. Published with a companion website that features additional images for download, self-assessment questions designed to aid readers who are preparing for examinations, and other features, Pediatric Cardiovascular Medicine, Second Edition, is the perfect reference for residents, fellows, pediatricians, as well as specialists in pediatric cardiology.

## **Diagnosis and Management of Adult Congenital Heart Disease E-Book**

This important revision presents the accumulated knowledge of its highly-regarded author, Dr. Abraham Rudolph, who is internationally recognized as one of the world's leading pioneers in the field of Pediatric Cardiology. Fully revised and updated, the book includes sections considering the changes in pathophysiology with growth into adulthood and the effects of various treatment approaches. The author explains the physiology of normal fetal circulation and the effects of congenital cardiac lesions, with particular reference to the interactions between the lesions and fetal cardiovascular development.

## **Adult Congenital Heart Disease**

This book combines an exceptional wealth of precise, exquisite schematic drawings and high-quality images with clear explanatory text in order to provide readers with a crisp and clear understanding of all aspects of congenital heart disease, from diagnosis to treatment and from the fetus to the adult. In format the book appears similar to a large collection of case reports covering all types of congenital heart disease, including

complex lesions such as single ventricle and atrial isomerism. For each lesion, the illustrations are placed before the text so that the reader can gain a quick and general overview before going into more detail. The contents are as practical and concise as possible. The intention is that, despite its size, the book will serve as a handy reference for cardiologists, surgeons, intensivists, obstetricians specializing in fetal sonography, nurses, trainees, students, researchers, and even patients and their families. This is a “must-have” bedside reference in the cardiac ward, the ICU, and the fetal sonography room and will even be valuable in outpatient clinics.

## **Pediatric Cardiovascular Medicine**

The Social Security Administration (SSA) uses a screening tool called the Listing of Impairments to identify claimants who are so severely impaired that they cannot work at all and thus immediately qualify for benefits. In this report, the IOM makes several recommendations for improving SSA's capacity to determine disability benefits more quickly and efficiently using the Listings.

## **Congenital Diseases of the Heart**

Offering comprehensive, authoritative coverage of mechanical circulatory support (MCS), this fully revised companion to Braunwald's Heart Disease provides the clinically relevant information you need to effectively use this therapy to treat and manage end-stage heart failure. New editors and authors – experts in both cardiology and cardiovascular surgery – bring you fully up to date with the newest technology and devices, as well as basic science, clinical applications, adverse event monitoring and management, socioeconomic implications, future directions, and more. Covers all of the newest techniques, including new-generation devices. Discusses the management of common patient problems, highlighting cautions and outcomes, as well as pathophysiology and rationale for treatment. Brings you up to speed with the latest coverage of ventricular assist devices (VAD), extracorporeal membrane oxygenation (ECMO), next-generation centrifugal pumps, and total artificial hearts. Provides a complete clinical perspective of the latest scientific breakthroughs and analysis of the current literature. Includes coverage of the most recent guidelines and protocols, including MCS for pediatric and congenital heart disease; the Interagency Registry of Mechanically Assisted Circulatory Support (INTERMACS) as a tool to track and advance clinical practice; and cellular, molecular, genomic, and functional changes that occur in the failing heart in response to MCS. Presents practical evidence from the registry of thousands of cases to guide cardiologists, cardiovascular surgeons, emergency physicians, primary care physicians, and other team members on the best management course to follow for each particular patient.

## **An Illustrated Guide to Congenital Heart Disease**

Cardiovascular, respiratory, and related conditions cause more than 40 percent of all deaths globally, and their substantial burden is rising, particularly in low- and middle-income countries (LMICs). Their burden extends well beyond health effects to include significant economic and societal consequences. Most of these conditions are related, share risk factors, and have common control measures at the clinical, population, and policy levels. Lives can be extended and improved when these diseases are prevented, detected, and managed. This volume summarizes current knowledge and presents evidence-based interventions that are effective, cost-effective, and scalable in LMICs.

## **Cardiovascular Disability**

Essential Surgery is part of a nine volume series for Disease Control Priorities which focuses on health interventions intended to reduce morbidity and mortality. The Essential Surgery volume focuses on four key aspects including global financial responsibility, emergency procedures, essential services organization and cost analysis.

## **Mechanical Circulatory Support: A Companion to Braunwald's Heart Disease Ebook**

From basic clinical facts to new advanced guidelines, Practical Cardiology, by Drs. Majid Maleki, Azin Alizadehasl, and Majid Haghjoo, is your new go-to resource for new developments in cardiology knowledge, imaging modalities, management techniques, and more. This step-by-step, practical reference is packed with tips and guidance ideal for residents, fellows, and clinicians in cardiology, as well as internal medicine, cardiac surgery, interventional cardiology, and pediatric cardiology. Features a wealth of information, including practical points from recently published guidelines, ECGs, hemodynamic traces of advanced imaging modalities in real patients, and much more. Offers a comprehensive review of cardiovascular medicine, from basic to advanced.

## **Disease Control Priorities, Third Edition (Volume 5)**

Pediatric intensivists, cardiologists, cardiac surgeons, and anesthesiologists from the leading centers around the world present the collaborative perspectives, concepts, and state-of-the-art knowledge required to care for children with congenital and acquired heart disease in the ICU. Their multidisciplinary approach encompasses every aspect of the relevant basic scientific principles, medical and pharmacologic treatments, and surgical techniques and equipment. From the extracardiac Fontan procedure, and the Ross procedure through new pharmacologic agents and the treatment of pulmonary hypertension to mechanical assist devices, heart and lung transplantation, and interventional cardiac catheterization—all of the developments that are affecting this rapidly advancing field are covered in depth. Employs well-documented tables, text boxes, and algorithms to make clinical information easy to access. Features chapters each written and reviewed by intensivists, surgeons, and cardiologists. Integrates the authors' extensive experiences with state-of-the-art knowledge from the literature. Offers four completely new chapters: Cardiac Trauma, Congenital Heart Disease in the Adult, Congenitally Corrected Transposition of the Great Arteries, and Outcome Evaluation. Describes the basic pharmacology and clinical applications of all of the new pharmacologic agents. Details important refinements and developments in surgical techniques, including the Ross pulmonary autograft replacement of the aortic valve, video-assisted fluoroscopy, and the extracardiac Fontan connection, and discusses their indications and potential complications. Explores the latest advances in the treatment of pulmonary hypertension, new developments in mechanical assist devices, heart and lung transplantation, and interventional cardiac catheterization. Examines issues affecting adults with congenital heart disease.

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