

Mavroudis Pediatric Cardiac Surgery

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Critical Heart Disease in Infants and Children E-Book Springer

There are growing questions regarding the safety, quality, risk management, and costs of PCC teams, their training and preparedness, and their implications on the welfare of patients and families. This innovative book, authored by an international authorship, will highlight the best practices in improving survival while paving a roadmap for the expected changes in the next 10 years as healthcare undergoes major transformation and reform. An invited group of experts in the field will participate in this project to provide the timeliest and informative approaches to how to deal with this global health challenge. The book will be indispensable to all who treat pediatric cardiac disease and will provide important information about managing the risk of patients with pediatric and congenital cardiac disease in the three domains of: the analysis of outcomes, the improvement of quality, and the safety of patients.

Mastery of Cardiothoracic Surgery BoD - Books on Demand

The development of pediatric cardiac surgical programs has had a profound effect on the specialty of pediatric critical care medicine, and as a result, the field of pediatric cardiac intensive care is rapidly emerging as a separate subspecialty of pediatric critical care medicine. The ability to provide care for the critically ill child with congenital heart disease clearly separates pediatric intensivists from our adult colleagues. A thorough understanding and knowledge of the unique physiology of the child with congenital heart disease are therefore absolutely crucial for anyone working in the pediatric intensive care unit. Once again, we would like to dedicate this textbook to our families and to the physicians and nurses who provide steadfast care every day in pediatric intensive care units across the globe. Derek S. Wheeler Hector R. Wong Thomas P. Shanley v Preface to Pediatric Critical Care Medicine: Basic Science and Clinical Evidence The field of critical care medicine is growing at a tremendous pace, and tremendous advances in the understanding of critical illness have been realized in the last decade. My family has directly benefited from some of the technological and scientific advances made in the care of critically ill children. My son Ryan was born during my third year of medical school. By some peculiar happenstance, I was nearing completion of a 4-week rotation in the newborn intensive care unit (NICU).

Pediatric and Congenital Cardiac Care CRC Press

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

Anesthesia for Congenital Heart Disease Elsevier Health Sciences

Long established as the #1 reference on pediatric cardiac anesthesia, this definitive text is now in its thoroughly revised Fourth Edition. The book provides comprehensive guidelines on preoperative evaluation, perioperative management, and postoperative care for all pediatric cardiac surgical procedures and includes quick-reference summaries of perioperative management for each procedure. For this edition, Dr. Lake is joined by an eminent British co-editor, Peter D. Booker, and an international group of distinguished contributors. Coverage includes cutting-edge information on echocardiography, fast tracking, and the newest surgical techniques. New chapters cover teaching, practice management, anesthesia for cardiac MIS, and hemostasis, coagulation, and transfusion. Minimally Invasive Thoracic and Cardiac Surgery W B Saunders Company

As a leading reference on pediatric cardiology and congenital heart disease, Anderson's Pediatric Cardiology provides exhaustive coverage of potential pediatric cardiovascular anomalies, potential sequelae related to these anomalies, comorbidities and neurodevelopmental problems, and current methods for management and treatment. The fully revised 4th Edition addresses significant and ongoing changes in practice, including recent developments in fetal, neonatal, and adult congenital heart conditions as well as expanded content on intensive care, nursing issues, and societal implications. The outstanding illustration program provides superb visual guidance, and is now supplemented with a remarkable collection of more than 200 professionally curated, author-narrated videos. Offers authoritative, long-term coverage of a broad spectrum of cardiology conditions ranging from fetal development to age 21, including congenital heart disease, adult congenital heart disease (ACHD), acquired heart disease, cardiomyopathies, and rhythm disturbances. Features exceptionally detailed and original drawings by Dr. Robert Anderson and Diane Spicer, including over 850 anatomic, photographic, imaging, and algorithmic figures, and incorporating new images using virtual dissections of 3D datasets obtained in living patients. Contains new chapters on quality improvement in congenital heart disease, models of care delivery, neurocognitive assessment and outcomes, psychosocial issues for patients and families, ethics, nursing implications, acute and chronic renal complications, and telemedicine. Offers a completely new section on fetal imaging and management. Provides a new focus on patient and family-centered care with expert advice on how to communicate difficult diagnoses to patients and families. Features new integration of nursing content into all disease-specific chapters, as well as updated content on genetics, congenital

heart disease and follow-up, and new imaging modalities. Contains chapters on new and emerging topics such as MRI and Quantifying the Fetal Circulation in Congenital Cardiac Disease; Congenital Anomalies of the Coronary Arteries; and The Global Burden of Pediatric Heart Disease and Pediatric Cardiac Care in Low- and Middle-Income Countries. Shares the experience and knowledge of an international team of multidisciplinary experts in medicine and advanced practice nursing.

Principles and Practice of Cardiothoracic Surgery John Wiley & Sons

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.

Key Questions in Cardiac Surgery Elsevier Health Sciences

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.

Atlas of Pediatric Cardiac Surgery Lippincott Williams & Wilkins

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

Atlas of Cardiac Surgical Techniques E-Book Mosby Incorporated

Park's Pediatric Cardiology for Practitioners is the essential medical reference book for the ever-changing field of pediatric cardiology. Comprehensive in its content, it provides the practical guidance you need to diagnose and manage children with congenital and acquired heart disease. From history and physical examination through preventative treatment and the management of special problems, the fully revised 6th edition incorporates all of the latest concepts in cardiology, distilled in a way that is understandable to pediatricians, family practitioners, NPs, and PAs alike. "...a concise reference book; Students and clinician; practicing Pediatric cardiology will continue to find Park's Pediatric Cardiology book to be easy to read and refer for the precise information readily." Reviewed by: BACCH Newsletter, March 2015 Apply the latest knowledge and methods with coverage of surgical techniques in pediatric cardiology, the application of interventional non-surgical techniques, blood pressure standards, and cardiac arrhythmia treatments. Easily grasp the latest techniques with helpful line drawings throughout. Select the best approaches for your patients with extensive coverage of special problems, including congestive heart failure and syncope. Take advantage of the most recent diagnostic and therapeutic advances in pediatric cardiology. Every topic and chapter has been revised and updated to reflect the latest medical and surgical treatments for all congenital and acquired heart diseases. New surgical approaches, including hybrid procedures, have been updated. A special focus has been placed on noninvasive imaging techniques, normative blood pressure standards, suggested approaches to pediatric hypertension, detection and management of lipid abnormalities as recommended by the Expert Panel, pediatric arrhythmias (including long QT syndrome), and much more. Access the full text online at Expert Consult.

Anderson's Pediatric Cardiology E-Book Springer

Critical Care of Children with Heart Disease will summarize the comprehensive medical and surgical management of the acutely-ill patient with congenital and acquired cardiac disease. The aim of the book is to teach bedside physicians, nurses and other caregivers, basic and practical concepts of anatomy, pathophysiology, surgical techniques and peri-operative management of critically ill children and adults with congenital heart disease, allowing these professionals to anticipate, prevent or else treat such pathologies. The book will cover specific cardiac lesions, review their anatomy, pathophysiology, current preoperative, intraoperative and postoperative assessment and management; medical and surgical complications will be briefly described with each lesion further discussed in specific chapters. In addition, the book will have dedicated chapters to management of cardiac patients on extracorporeal membrane oxygenation, hemofiltration, hemo or peritoneal dialysis and plasma exchange. Practical guidelines for cardiovascular nursing care will be also included.

Cardiovascular Disability Springer Nature

This atlas comprehensively covers surgical techniques for congenital heart surgery. As the population with congenital heart defects increases more and more operations will be required to treat the residual defects, new defects, and replacement strategies such as valve replacements. Chapters are devoted to specific conditions and feature detailed descriptions of how to perform a variety of appropriate reparative surgical techniques; involving complex

anatomy, reoperative surgery, and unique techniques to this speciality, enabling the reader to develop a deep understanding of how to successfully resolve situations such as left ventricular outflow tract obstruction, anomalous pulmonary venous return, and anomalous origin of the coronary arteries. Atlas of Adult Congenital Heart Surgery provides a foundational resource for practising and trainee cardiac surgeons, nurses, and healthcare associates seeking specialist training and insight to the resolution of congenital heart diseases in adults.

Pediatric Cardiac Intensive Care John Wiley & Sons

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.

Pediatric Cardiac Surgery Springer Nature

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.

Surgery for Congenital Heart Defects Oxford University Press

An illustrated guide for anesthesia providers for congenital heart disease patients, with a focus on non-cardiac operating room settings.

Pediatric and Congenital Cardiology, Cardiac Surgery and Intensive Care Lippincott Williams & Wilkins

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.

Global Cardiac Surgery Capacity Development in Low and Middle Income Countries Springer

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 Springer

This title reviews the bioethical issues in congenital heart disease and other difficult pediatric cardiology and cardiac surgical situations. It provides considered opinions and recommendations as to the preferred actions to take in these cases, stressing the importance of making informed decisions that are bioethically sound and doing so using considered reasoning of all the related sensitive issues. Bioethical Controversies in Pediatric Cardiology and Cardiac Surgery provides detailed recommendations on potential solutions to make bioethical decisions in difficult clinical scenarios. There is particular emphasis on controversies involving surgery for hypoplastic left heart syndrome, fertility, informed consent, autonomy, genomics, and beneficence. It is intended for use by a wide range of practitioners, including congenital heart surgeons, pediatric cardiologists, pediatric intensivists, nurse practitioners, physicians assistants, and clinical ethicists.

Cardiac Surgery Springer Science & Business Media

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

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

Pediatric Cardiac Anesthesia Cambridge University Press

The raison d'être for a new atlas of congenital heart surgery is based on the reality that the specialty has undergone numerous changes in the last few years resulting in improved techniques and new operations. The sheer number of new procedures and the required attendant technical skills to successfully complete an operation has become a challenge to master, especially for residents who are pursuing a career in congenital heart surgery.

While the techniques that we are espousing are mostly our own, there is a great deal of similarity amongst international centers owing to the influence of video presentations, manuscript publications, and chapter reviews. We therefore believe that the techniques that are illustrated in this atlas are likely to be similar to the techniques that are taught worldwide to residents and fellows. The atlas is organized generally by diseases and procedures pertaining thereto. Two general sections involve cannulation techniques and palliative procedures, respectively. A special section depicts difficult problems in the form of clinical vignettes that may arise during cardiopulmonary bypass such as: decreased venous return, undiagnosed patent ductus arteriosus, and technical errors leading to hemodynamic complications. The reader is instructed to apply measures that will lead to resolution of these problems. We have chosen procedures, which cover the breadth of congenital heart surgery. While perhaps not totally inclusive, the reader will find the greater majority of congenital heart procedures illustrated and explained in this text.

Core Topics in Cardiac Anesthesia Cambridge University Press

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.