

Comprehensive Surgical Management Of Congenital Heart Disease Second Edition

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

This is the second edition of a leading international reference on the surgical management of congenital and acquired conditions in infants and children. The editors have assembled outstanding pediatric surgeons and pediatric urologists from all five continents to analyze current practice and provide comprehensive details on both surgical techniques and pre- and postoperative management. The text is organized in a systematic manner, providing step-by-step, detailed practical guidance. Individual sections are devoted to the head and neck; esophagus; chest; abdomen; liver, pancreas, and spleen; spina bifida and hydrocephalus; tumors; and urology. The important advances that have occurred since the first edition in 2006 are all covered, with nine new chapters as well as more than 60 additional figures. The most unique feature of the book is the generous use of high quality color illustrations to clarify and simplify various operative techniques. This atlas will be an invaluable reference for pediatric surgeons, paediatric urologists and for general surgeons with a special interest in pediatric surgery.

This comprehensive book provides detailed practical advice on the diagnosis and surgical management of congenital and acquired conditions in infants and children. Following the great success of the first edition, the new edition has been fully updated to reflect the major developments in the field of the past decade. Advances in prenatal diagnosis, imaging, anaesthesia and intensive care as well as the introduction of new surgical techniques, including minimally invasive surgery and robotic technology that have radically altered surgical conditions are now discussed in the book. In addition new chapters have been added on surgical safety in children, surgical problems of children with disabilities and surgical implications of HIV infection in children among others. This is a superbly structured and richly illustrated guide aimed at trainees, young paediatric surgeons & general surgeons with interest in paediatric surgery. The book also serves as a handy, quick and easy reference for those making decisions in daily practice. "Pediatric Surgery, Diagnosis and Management" features contributions by leading experts in pediatric surgery and pediatric urology who have unique experience in their respective fields. 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.

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

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.

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.

This superbly illustrated book on the surgical treatment of pediatric colorectal problems focuses in particular on the specific technical maneuvers that may be considered key to successful results. The presented management concepts are based on a database comprising over 5000 patients, more than 2300 of whom have been operated on by one of the authors as lead surgeon over the past 30 years. The full range of colorectal disorders in children is thus covered, from cloaca and fistulas to rare presentations. In addition, chapters are included on topics such as prenatal diagnosis, minimally invasive techniques, recent advances in imaging, and a bowel management program for fecal incontinence. *Surgical Treatment of Colorectal Problems in Children* is eminently a practical book. Clarity, simplicity and applicability are emphasized throughout. The excellence of the illustrations and photographs is a crucial feature and the reader will also have access to instructive videos of procedures.

This first reference to comprehensively address both the medical and surgical management of diseases affecting the colon, this source spans the wide array of colorectal disorders including rectal prolapse, irritable bowel syndrome, benign and malignant colonic tumors, fissures and ulcers, and Crohn's colitis, among other ailments. With chapters by

The second volume in the series, this atlas presents a complete work on the surgical management of congenital heart lesions. It covers a wide spectrum of conditions, and gives descriptions of surgical therapies for unusual problems as well as the more common.

Perinatal cardiology is an important developing field as high quality ultrasound is used on a growing number of pregnant women, and diagnosis prior to birth will become a more common occurrence. In addition, highly sensitive noninvasive diagnostic tools, advances in neonatal care and anesthesia, evolution of transcatheter interventional procedures and performance of complicated surgical procedures in the neonate and young infant have advanced to such an extent that almost all congenital cardiac defects can be diagnosed and “corrected.” Illustrated with over 500 figures, this book by leaders in the fields of pediatric cardiology, neonatology, pediatric cardiovascular surgery and interventional pediatric cardiology focuses on congenital heart defect issues during the perinatal period: prenatal (before birth) and neonatal (first month after birth). This book discusses the three major areas of perinatal cardiology: Provides an overview of advances in perinatology, neonatology, cardiology and cardiac surgery in making early diagnosis and offering treatment options for patients with CHD. The concept of the multidisciplinary approach to managing infants with congenital cardiac lesion. Evidence-based therapeutic approaches to successfully treat the fetus and the newborn with congenital cardiac lesions. Audience: Pediatric cardiologists, cardiologists, neonatologists, maternal-fetal specialists, pediatric intensivists, cardiovascular surgeons, and house-staff in pediatric cardiology and neonatal and pediatric intensive care units. Dr. Rao's vision of the direction of pediatric cardiology has led to his acceptance that a great part of serious congenital heart disease is now managed in the perinatal period... This book is written not only for the pediatric cardiologist but for all those specialists and subspecialists who participate in a programmatic approach to the child with congenital heart disease, from the embryologist to the pediatrician or family practitioner to the hands of caregivers in the tertiary care setting. - From the Foreword by William B. Strong, MD

Evidence-based texts are taking on a greater role in the education of healthcare providers. With an emphasis on this modality, this volume explores several topics related to the treatment of patients with the autoimmune form of arthritis known as rheumatoid arthritis. Topics include disease outcomes, leukocyte immunoglobulin-like receptors, cardiovascular risk associated with arthritis, cytokines, and alleles in rheumatoid arthritis. The book also examines various drugs used in treatment for pain relief and reduced inflammation.

Master the surgical techniques needed to treat large animals! A comprehensive resource, *Farm Animal Surgery, 2nd Edition* provides clear, step-by-step guidelines to performing common, field-tested surgical procedures. Coverage includes key information such as patient examination and preparation, diagnostic imaging, surgical procedures by body system, anesthesia concerns, fluid therapy, and postoperative management. Written by large animal specialists Susan Fubini and Norm Ducharme, along with a team of expert contributors, this resource is also an invaluable tool in preparing for ACVS or ECVS board exams. Consistent, logical organization makes it easy to find important information, with each section devoted to a single animal and chapters organized by body system. Step-by-step guidelines cover bovine, sheep and goat, and swine surgeries by body system. 775 full-color photographs and anatomic drawings illustrate common disorders, techniques, and equipment for large animal surgery. Up-to-date information on key surgical techniques keeps you aware of advances in the field and practical knowledge of animal care. 35 expert contributors provide a diverse, authoritative perspective on the many aspects of large animal surgery. References are provided for very specialized procedures. NEW surgical procedures are included for each species — many with illustrated, step-by-step instructions. NEW coverage of the physical examination includes cow, swine, goats, and sheep, to facilitate more accurate diagnoses of medical or surgical conditions.

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

This volume in the *Procedures in Reconstructive Surgery Series* covers the key hand and upper extremity reconstruction techniques you need to stay on the cutting edge of this rapidly evolving specialty. Experts clearly explain how to perform procedures, sharing “tricks of the trade and clinical pearls so you can offer your patients superior results. Each book uses a concise, consistent format that complements the commentary. Master essential reconstructive surgical techniques with the comprehensive titles in this series! Provides real-life clinical details and clear visual guidance to the different operative steps with full-color illustrations and original artwork. Offers complete coverage of reconstructive techniques provided by well-recognized international authorities to provide balanced and comprehensive perspectives. Discusses common pitfalls, emphasizing optimizing outcomes, to refine the quality of your technique.

Clinical Management of Congenital Heart Disease from Infancy to Adulthood This practical resource for the clinical management of congenital heart disease offers essential instruction on the presentation and treatment of congenital heart defects throughout the life stages. Edited by renowned pediatric cardiologist Douglas S Moodie, MD, MS, from Texas Children's Hospital, and authored by seasoned practitioners with vast clinical experience, this book expertly addresses the continuum of clinical care issues at distinct stages of growth and development: Fetuses, neonates, and infants Children Adolescents and adults Organized by specific congenital heart condition, each well-referenced and highly organized chapter examines the clinical features, diagnostic testing, management, and outcomes associated with age groups and includes tips and tricks gleaned from years of practice in the field of pediatric cardiology. This exceptionally readable text will serve as both a great learning tool and a handy reference for practitioners, students, and nurses who need to stay up-to-date on the unique clinical challenges that CHD presents in the neonate to the adult. Audience Suited for the general pediatrician, cardiology fellow, pediatrics resident and medical student. Practicing cardiologists (pediatric and internist) and cardiology nurse practitioners will also find it a good and quick reference source that is very readable.

Pediatric and Congenital Cardiology, Cardiac Surgery and Intensive Care provides a consistent and comprehensive approach to multiple congenital and acquired cardiac pathologies pre, peri and postoperatively, with the use of algorithms, guidelines and current research issues. Included with the e-reference are interactive videos with the most common interventions, online access to practical learning activities, and to the comprehensive Aristotle score and database. This reference work satisfies the need for 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.

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.

Addresses issues of concern in the area of women's studies, aiming to offer fresh perspectives on sexuality, paid work, the development process, equal opportunities legislation, lesbian history and women's writing. The book is also concerned with the politics and practice of women's studies.

The management of congenital heart disease has changed dramatically over the last 15 years and continues to evolve at a rapid pace. More than ever before contemporary practice requires a collaborative effort by a large healthcare team comprised not only of congenital cardiac surgeons but also pediatric cardiac nurses, pediatric cardiologists, perfu

Acclaimed for its unsurpassed readability and manageable scope, Ashcraft's Pediatric Surgery presents authoritative, practical guidance on treating the entire range of general surgical and urological problems in infants, children, and adolescents. State-of-the-art, expert coverage equips you to implement all the latest approaches and achieve optimal outcomes for all of your patients. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Make the most effective use of today's best open and minimally invasive techniques, including single-site umbilical laparoscopic surgery, with guidance from internationally recognized experts in the field. Focus on evidence-based treatments and outcomes to apply today's best practices. Stay current with timely topics thanks to brand-new chapters on Choledochal Cyst and Gallbladder Disease, Tissue Engineering, and Ethics in Pediatric Surgery, plus comprehensive updates throughout. Hone and expand your surgical skills by watching videos of minimally invasive procedures for recto urethral fistula, biliary atresia, laparoscopic splenectomy, uterine horn, and more. Grasp the visual nuances of surgery from over 1,000 images depicting today's best surgical practices.

Minimally invasive cardiac surgery(MICS) is an integral component of every future cardiac surgeon's training. There continues to be a growing global demand towards less invasive surgical techniques. Both cardiologist and cardiac surgeon form "heart teams" to provide patients with novel, minimally invasive procedures, with all their benefits. Less invasive techniques are often complex and require special knowhow and skills. This book offers an innovative approach to learning, utilizing QR code technology, which refers the reader to essential audio-visual material, which, along with the didactic text, focuses on practical aspects of minimally invasive cardiac surgery. In modern Heart Teams, and with the advent of the hybrid era, surgeons will only be able to survive if they have state-of-the-art skills in less invasive technologies, which can be incorporated in the hybrid theatre and/or trans-catheter arena. This text accompanies the surgeon along this path, and provides clinical advice and practical solutions, beyond the necessary basic knowledge. Which courses to visit, which videos to watch, which centres to join for serious training? How best to exploit public and multimedia? How to consent a patient into a MICS procedure? How to set up a MICS program or practice? In the era of value driven outcomes, and a shift towards shorter and better patient journeys, MICS is a skill that no heart surgeon can be without. Minimally Invasive Cardiac Surgery: A Practical Guide is a teaching resource, reference book and manual written by surgeons who both operate and teach the procedures described within. Provides access to online resources via QR codes Includes links to videos and the e-version of the text Acts as a gateway to a huge choice of minimally invasive cardiac surgery materials

Here is a comprehensive and up-to-date source on the origins, diagnosis, and management of glaucomas in children. The authors balance evidence-based management guidelines with perspectives from their abundant direct clinical experience. Coverage includes the most recent advances in genetics, medical therapy, and surgical treatment...long-term management...treatment of intractable glaucomas...and other timely topics. Explores the newest knowledge about epidemiology and genetics • medical therapies • surgical management • management of refractory glaucoma • long-term management • penetrating keratoplasty or aphakia/ pseudophakia in children with glaucoma • and much more. Combines evidence-based recommendations with the authors' expert observations and opinions. Reviews important historical developments in pediatric glaucoma treatment. Reflects the most recent terminology and classifications in the field. Uses full-color clinical photographs and line drawings to illustrate important visual concepts. Offers comprehensive references, as well as tables and figures that summarize information from the literature at a glance.

Congenital Heart Disease: A Surgical Color Atlas is a pictorial illustration with over 750 stunning photographs and line drawings that highlight important surgical, anatomic and pathologic points of congenital heart disease. This impressive work by a surgeon, a cardiologist, and a pathologist, features full-color images as seen through the surgeon's eyes, juxtaposed with line drawings to allow for the full examination of anatomic and surgical details. From the Preface: "This Atlas may very well be the most accurate photographic description of congenital heart disease ever published." - Hisashi Nikaidoh, MD

"Pediatric Surgery, 7th Edition - edited by Arnold G. Coran, Anthony Caldamone, N. Scott Adzick, Thomas M. Krummel, Jean-Martin Laberge, and Robert Shamberger - features comprehensive, up-to-date guidance on all aspects of childhood surgery, including congenital malformations, tumors, trauma, and urologic problems. Apply the latest developments in fetal surgery, adolescent bariatric surgery, minimally invasive surgery in children, and tissue engineering for the repair of congenital anomalies, such as the separation of conjoined twins. you can also access the fully searchable text online at www.expertconsult.com, making this definitive resource more accessible than ever."--

Although uncommon, the occurrence of cataracts in very young patients can result in significant impairment—and can lead to blindness. This practical guide delivers need-to-know information to help clinicians treat pediatric patients with cataracts with a range of therapies and essential guidance on the management of complications. Explore the only reference devoted exclusively to pediatric cataract management! • 13 new chapters highlight the latest advances in bilateral cataract surgery, intraocular heparin treatment, treatment of traumatic cataracts, pre- and postoperative management, and techniques appropriate for patients in developing nations. • 4 hours of online procedural video

accompany the text—giving readers a clinician’s view of essential procedures. A great way to refine technique, improve outcomes, avoid pitfalls, and manage potential complications. • Quick-reference format helps readers locate vital information at a glance.

The Pocket Book is for use by doctors nurses and other health workers who are responsible for the care of young children at the first level referral hospitals. This second edition is based on evidence from several WHO updated and published clinical guidelines. It is for use in both inpatient and outpatient care in small hospitals with basic laboratory facilities and essential medicines. In some settings these guidelines can be used in any facilities where sick children are admitted for inpatient care. The Pocket Book is one of a series of documents and tools that support the Integrated Managem.

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.

Following the success of three previous editions, this new edition of Newborn Surgery continues to provide the most comprehensive information on the surgical management of neonatal disorders. Each chapter is thoroughly revised and updated, and there are eight new chapters on key topics in the specialty, including neonatal care in the delivery room, specific risks for pre-term infants, surgical safety, tissue engineering and stem cell research, and surgical implications of HIV.

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.

This comprehensive text follows an evidence-based approach to thoroughly discuss Atrial septal defects. Since this congenital heart disease mostly presents in adulthood, it becomes imperative to understand the embryology, pathophysiology and anatomy in detail, for effective management of these patients. This book has strong clinical focus on anatomy, natural history, indications, imaging methods and practical aspects of disease management, which inculcates best practice in the day to day management techniques employed by cardiologists, trainees and professionals. Key Features Covers all aspects of atrial septal defects with a logical flow of topics. Serves as a useful guide to clinical cardiologists aiming to specialize in atrial septal defects and professionals entering the field. Explores future directions in diagnosis and treatment, elaborating on the use of 3D echocardiography and Intracardiac echocardiography.

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.

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.

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.

The aim of this book is to discuss cleft lip and palate deformities in a comprehensive way, presenting it from the basics to the most clinically and surgically relevant issues. First, the basic concepts of embryology and pathogenesis of the facial deformities will be discussed. Special attention will be paid to the genetics underlying this condition. Following that, basic principles of surgical treatment through the most recent advances in the field will be presented, along with most important evidences from the literature and the personal experience of the editors and authors. Cleft Lip and Palate Treatment presents the state of the art and advances in the field and is intended to serve as a comprehensive guide for a broad audience. All the specialties involved in the comprehensive care of these craniofacial deformities will be presented in this book.

This book provides practical surgical solutions to congenital or acquired penile anomalies and diseases to the practicing urologist who encounters them in their daily practice. It also discusses the best way to approach these patients, and how best to evaluate them. Starting from surgical anatomy, through to examining the variou

A comprehensive, up-to-date collection of all essential clinical knowledge in cardiac and thoracic surgery. The contents have been reorganized into three major sections-Adult Cardiac Surgery, Pediatric Cardiac Surgery, and Thoracic Surgery. More than 50 new chapters have been added to reflect important changes within this rapidly evolving field, including both surgical and medical therapeutic approaches. More than 1,500 illustrations, nearly all of them new to this edition, help to clarify key concepts. It features a new organization into three major sections-Adult Cardiac Surgery, Pediatric Cardiac Surgery, and Thoracic Surgery-that makes information; covers hot new topics in thoracic surgery including minimal invasive treatment of lung cancer, multimodal therapy for esophageal cancer, innovative therapies and technology in thoracic surgery, and endoscopic treatment of thoracic disease; explores new developments in adult cardiac surgery, such as catheter-based treatment of c.

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