

Illustrated Field Guide To Congenital Heart Disease

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Illustrated Field Guide to Congenital Heart Disease and Repair - Allen D. Everett 2004-01-01

A pocket-sized survey of pediatric cardiology, with clear color diagrams of defects, and illustrated chapters on cath lab interventions and surgical procedures. Written by leading physicians in the specialty, with illustrations by the artists who brought you Cove Point/Johns Hopkins Hospital web site for Congenital Heart Disease. Topics covered in this manual include: The Normal and Fetal Heart, Congenital Heart Defects, Catheterization Interventions, and Congenital Heart Surgeries.

Atlas of Cardiac Catheterization for Congenital Heart Disease - Gianfranco Butera 2019-03-11

This atlas depicts and describes catheter-based interventions across the entire pediatric age range, from fetal life through to early adulthood, with the aim of providing an illustrated step-by-step guide that will help the reader to master these techniques and apply them in everyday practice. Clear instruction is offered on a wide range of procedures, including vascular access, fetal interventions, valve dilatation, angioplasty, stent implantation, defect closure, defect creation, valve implantation, hybrid approaches, and other miscellaneous procedures. The atlas complements the previously published handbook, Cardiac Catheterization for Congenital Heart Disease, by presenting a wealth of photographs, images, and drawings selected or designed to facilitate the planning, performance, and evaluation of diagnostic and interventional procedures in the field of congenital heart disease. It will assist in the safe, efficient performance of these procedures, in decision making, and in the recognition and treatment of complications.

Pediatric Cardiology Board Review - Benjamin W. Eidem 2016-06-20
More than 900 board-style questions prepare you for certification and recertification! Based on the popular Mayo Clinic Pediatric Cardiology Review course, this highly regarded testing resource provides easy access to more than 900 questions and answers on every aspect of pediatric cardiology. Full explanations are provided for every question, helping you focus your areas for review and make the most of your study time.

Cardiac Catheterization in Congenital Heart Disease - Charles E. Mullins 2008-04-15

The rapidly growing population of adults surviving with congenital heart lesions along with the success of interventional cardiology in the child and adolescent has spawned an incredible interest in adapting the technology for the adult congenital patients. Dr. Mullins, a pioneer in this area, has written an outstanding reference which covers all aspects of performing diagnostic and therapeutic cardiac catheterization procedures on patients of all ages. This illustrated book details the equipment and techniques for performing safe and successful procedures, with a strong emphasis on avoiding complications. It also includes the requirements of a catheterization laboratory for congenital heart patients, as well as guidance for setting up and operating such a laboratory. Cardiac Catheterization in Congenital Heart Disease serves as an essential manual for pediatric and adult interventional cardiologists worldwide.

Echocardiography in Pediatric and Congenital Heart Disease - Wyman W. Lai 2012-01-03

Echocardiography is essential in the practice of pediatric cardiology. A clinical pediatric cardiologist is expected to be adept at the non-invasive diagnosis of congenital heart disease and those who plan to specialize in echocardiography will need to have knowledge of advanced techniques. Echocardiography in Pediatric and Congenital Heart Disease addresses the needs of trainees and practitioners in this field, filling a void caused by the lack of material in this fast-growing area. This new title comprehensively covers the echocardiographic assessment of congenital heart disease, from the fetus to the adult, plus acquired heart disease in children. Topics covered include: ultrasound physics laboratory set-up a

protocol for a standard pediatric echocardiogram quantitative methods of echocardiographic evaluation, including assessment of diastolic function in depth coverage of congenital cardiovascular malformations acquired pediatric heart disease topics of special interest, such as 3D echocardiography, transesophageal echocardiography, and fetal echocardiography The approach of this book is a major advancement for educational materials in the field of pediatric cardiology, and greatly enhances the experience for the reader. An accompanying DVD with moving images of the subjects covered in the textbook will further enhance the learning experience.

Clinical Cardiac MRI - Jan Bogaert 2006-03-30

This extensively illustrated volume has been specifically geared towards optimal use of MRI systems. The text provides essential theoretical background information: Imaging acquisition and potential pitfalls are also examined in detail. Most importantly, structured guidelines are provided on the interpretation of clinical data in the wide range of cardiac pathology that can be encountered.

Pediatric Cardiology - Walter H. Johnson 2014-02-03

Caring for children with heart disease is extremely complex, requiring a different and often tailor-made approach compared with adults with similar cardiac problems. Built on the success of previous editions and brought to you by a stellar author team, Pediatric Cardiology: The Essential Pocket Guide provides a unique, concise and extremely practical overview of heart disease in children. From history-taking, physical examination, ECG, and chest X-ray - the basics that enable clinicians to uncover possible problems and eliminate areas of false concern - it goes on to examine the range of more complex topics in the diagnosis and treatment/management of childhood cardiovascular disease. New to this edition you'll find: An enhanced section on imaging including recent advances in cardiac MRI and fetal echocardiography. New techniques in genetic testing for heart disease in special populations. Much more emphasis on the importance of echocardiography in understanding the pathophysiology of congenital cardiac malformations. Expanded section on cardiac conditions in the neonate, specifically on prenatal diagnosis and management, neonatal screening for congenital heart disease, and hypoplastic left heart syndrome. Expanded and updated congestive cardiac failure section, including the latest in genetic and metabolic causes of heart failure, and medical/surgical treatment options; discussion of bridging therapies; essentials of transplantation, including common drug treatment regimens, clinical recognition of treatment complications and rejection, outcomes, morbidity and survival. In addition, every chapter is fully updated with the very latest clinical guidelines and management options from the AHA, ACC and ESC. Pediatric Cardiology: The Essential Pocket Guide, 3rd edition, is quite simply a must-have guide for all members of the multidisciplinary team managing children suffering from heart disease.

CHD Doodles: a Workbook on Congenital Heart Defects - YKim, MGoldberg MMa 2020-09-28

Are you interested in learning more about congenital heart disease? How the blood flows in different heart lesions such as CAVC and HLHS? Do you want to better understand what the expected arterial saturations should be and why? Do you learn better by pictures than text? Then, this book is for you! Created by an educator team from Nursing, Medicine, and Cardiac Surgery who has been teaching bedside care for over 10 years, this book has lots of pictures and clinical questions about several forms of congenital heart disease. Look at the preview for a sneak peak! A Practical Guide to Fetal Echocardiography - Alfred Z. Abuhamad 2012-03-28

This simple and easy-to-use guide to fetal echocardiography will help physicians and sonographers obtain a complete evaluation of the normal and abnormal fetal heart. The book is written in a user-friendly style and

thoroughly illustrated with ultrasound images accompanied by schematic drawings. This edition presents a comprehensive approach to the examination of the fetal heart and covers all major cardiac malformations. Chapters include color Doppler in fetal echocardiography, three-dimensional ultrasound in fetal echocardiography, first and early second trimester imaging of the fetal heart, and an updated genetics section. This book, written by internationally recognized experts in fetal echocardiography, is a must-have for physicians and sonographers interested in this field.

Adult Congenital Heart Disease - Michael A. Gatzoulis 2008-04-15
Congenital heart disease with its worldwide incidence of 1% is the most common inborn defect. Increasingly, patients are living into adulthood, with ongoing congenital heart and other medical needs. Sadly, only a small minority have specialist follow-up. However, all patients see their family doctor and may also seek advice from other health professionals. This practical guide with its straightforward a,b,c approach is written for those professionals. Special features of this book: • Introduces the principles of congenital heart disease and tells you whom and when to refer for specialist care • Discusses common congenital heart lesions in a practical, easy-to-follow way, with an emphasis on diagnosis and management issues • Includes an extensive chapter on 'Pregnancy and Contraception' (by Philip J. Steer), essential both for family planning and for managing safely the pregnant woman with congenital heart disease • Includes chapters on non-cardiac surgery and lifestyle issues such as work, insurability, travel and driving • Provides invaluable information on dealing with common emergencies; what to do and what not to do With a wealth of illustrations (including diagrams, EKGs, CXRs, Echos and cardiac MRIs) and with key point tables, this is an essential guide for all health care professionals managing patients with adult congenital heart disease.

Clinical Management of Congenital Heart Disease from Infancy to Adulthood - Douglas Moodie, MD 2013-11-01

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.

CT and MRI in Congenital Heart Diseases - Ramiah Rajeshkannan 2020-12-18

This book covers the cross-sectional imaging of congenital heart diseases, and features a wealth of relevant CT and MRI images. Important details concerning anatomy, physiology, embryology and management options are discussed, and the key technical aspects of performing the imaging are explained step by step. Written by a team of respected authors, the book is richly illustrated and supplemented with access to a number of clinical videos. Intended to provide quick and reliable access to high-quality MRI and CT images of frequently encountered congenital and structural heart abnormalities, the book offers a go-to guide for imaging physicians, helping them overcome the steep learning curve for pediatric cardiac imaging.

Pathology of Heart Disease in the Fetus, Infant and Child - Michael T. Ashworth 2019-08-22

Clearly presents the pathology of heart disease from fetus to adolescence, integrating histology and macroscopy with effects of treatment.

An Illustrated Guide to Congenital Heart Disease - In Sook Park 2019-07-10

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.

Congenital Cardiac Anesthesia - Laura K. Berenstein 2021-09-16
An illustrated guide for anesthesia providers for congenital heart disease patients, with a focus on non-cardiac operating room settings.

Surgical Pathology Dissection - William H. Westra 2013-03-14
Filling the need for a comprehensive, fully-illustrated guide to the subject, this practical manual demonstrates a logical approach to the preparation, dissection, and handling of the tissue specimens most commonly encountered in today's surgical pathology laboratory. Each dissection is vividly illustrated with powerful 3D line drawings created exclusively for this book. The authors discuss the clinically important features of various types of specimens and lesions over the whole range of organ systems. The consistent approach provides a valuable conceptual framework for points to bear in mind during the dissection and each chapter concludes with a convenient reminder of the important issues to address in the surgical pathology report. Indispensable for staff pathologists, residents, pathologist's assistants, histotechnologists and other laboratory personnel.

Congenital Heart Disease in Pediatric and Adult Patients - Ali Dabbagh 2017-03-09

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.

Illustrated Field Guide to Congenital Heart Disease and Repair - Folio - Third Edition - Allen D. Everett 2011-04-01

Illustrated Field Guide to Congenital Heart Disease and Repair - Fourth Edition - Allen D. Everett 2018-10-31

Critical Appraisal for FCEM - Duncan Bootland 2015-02-04

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 Defects, Simplified](#) - Ken Heiden 2009-07

Pediatric and Congenital Cardiology, Cardiac Surgery and Intensive Care - Eduardo da Cruz 2013-10-28

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.

Diagnosis and Management of Adult Congenital Heart Disease E-Book - Michael A. Gatzoulis 2017-02-02

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.

Echocardiography in Pediatric and Adult Congenital Heart Disease - Benjamin W. Eidem 2012-03-28

Written by expert pediatric cardiologists at the Mayo Clinic and other leading institutions, this book provides a comprehensive review of echocardiographic evaluation and diagnosis of congenital heart disease in pediatric and adult patients. Coverage includes advanced techniques such as tissue Doppler, three-dimensional echocardiography, intracardiac and intraoperative transesophageal echocardiography, and cardiac magnetic resonance imaging. Chapters provide complete information on the full range of abnormalities and on evaluation of valve prostheses and the transplanted heart. More than 1,300 illustrations, including over 900 in full color, complement the text. Purchase includes online access to AVI clips developed at the Mayo Clinic of the congenital-specific lesions illustrated in the book.

[Atlas of Congenital Heart Disease Nomenclature](#) - David Ezon 2015-09-26

Pediatric Cardiac Intensive Care Handbook - Melissa B. Jones 2015-02-02

A handbook covering the surgery and intensive care treatment of children with congenital heart disease. Chapters cover routine postoperative problems, respiratory and cardiovascular support, specific lesions, and mechanical support.

Texas Children's Hospital Handbook of Congenital Heart Disease - Carlos M. Mery 2020-06

The Texas Children's Hospital Handbook of Congenital Heart Disease is a practical handbook to help with the day-to-day management of patients with congenital heart disease.

Encyclopedia of Cardiovascular Research and Medicine - 2017-11-27

Encyclopedia of Cardiovascular Research and Medicine offers researchers over 200 articles covering every aspect of cardiovascular research and medicine, including fully annotated figures, abundant color illustrations and links to supplementary datasets and references. With

contributions from top experts in the field, this book is the most reputable and easily searchable resource of cardiovascular-focused basic and translational content for students, researchers, clinicians and teaching faculty across the biomedical and medical sciences. The panel of authors chosen from an international board of leading scholars renders the text trustworthy, contemporary and representative of the global scientific expertise in these domains. The book's thematic structuring of sections and in-depth breakdown of topics encourages user-friendly, easily searchable chapters. Cross-references to related articles and links to further reading and references will further guide readers to a full understanding of the topics under discussion. Readers will find an unparalleled, one-stop resource exploring all major aspects of cardiovascular research and medicine. Presents comprehensive coverage of every aspect of cardiovascular medicine and research Offers readers a broad, interdisciplinary overview of the concepts in cardiovascular research and medicine with applications across biomedical research Includes reputable, foundational content on genetics, cancer, immunology, cell biology and molecular biology Provides a multi-media enriched color-illustrated text with high quality images, graphs and tables.

[Marine Mammals Ashore](#) - Joseph R. Geraci 2005

Comprehensive manual for understanding and carrying out marine mammal rescue activities for stranded seals, manatees, dolphins, whales, or sea otters.

Congenital Heart Disease in Adults - Jana Popelova 2008-09-04

This highly illustrated, well-written and beautifully produced text is aimed at cardiologists and internal medical doctors, whether qualified or in-training, who are not specialized in the field of congenital heart disease, who will, nevertheless, meet these patients more and more often in their daily practice. The complicated subject of congenital

[Cardiovascular Pathology](#) - L. Maximilian Buja 2015-11-11

Cardiovascular Pathology, Fourth Edition, provides users with a comprehensive overview that encompasses its examination, cardiac structure, both normal and physiologically altered, and a multitude of abnormalities. This updated edition offers current views on interventions, both medical and surgical, and the pathology related to them. Congenital heart disease and its pathobiology are covered in some depth, as are vasculitis and neoplasias. Each section has been revised to reflect new discoveries in clinical and molecular pathology, with new chapters updated and written with a practical approach, especially with regards to the discussion of pathophysiology. New chapters reflect recent technological advances with cardiac devices, transplants, genetics, and immunology. Each chapter is highly illustrated and covers contemporary aspects of the disease processes, including a section on the role of molecular diagnostics and cytogenetics as specifically related to cardiovascular pathology. Customers buy the Print + Electronic product together! Serves as a contemporary, all-inclusive guide to cardiovascular pathology for clinicians and researchers, as well as clinical residents and fellows of pathology, cardiology, cardiac surgery, and internal medicine Offers new organization of each chapter to enable uniformity for learning and reference: Definition, Epidemiology, Clinical Presentation, Pathogenesis/Genetics, Light and Electron Microscopy/Immunohistochemistry, Differential Diagnosis, Treatment and Potential Complications Features six new chapters and expanded coverage of the normal heart and blood vessels, cardiovascular devices, congenital heart disease, tropical and infectious cardiac disease, and forensic pathology of the cardiovascular system Contains 400+ full color illustrations and an online image collection facilitate research, study, and lecture slide creation

Illustrated Field Guide to Adult Congenital Heart Disease - D. Scott Lim 2009-01-01

Illustrated Guide to Cardiovascular Disease - Glenn N Levine 2016-02-12

Illustrated Guide to Cardiovascular Disease is an extensive and highly visual guide, encompassing the full spectrum of cardiovascular diseases, along with cardiac anatomy and physiology. This book is divided into 58 chapters across seven sections. Each section covers a different disease or group of heart diseases, including coronary artery disease, heart failure and cardiomyopathy, valvular heart disease, pericardial disease, congenital heart disease, cardiac arrhythmias, peripheral vascular disease, and a final section on miscellaneous cardiovascular diseases. Each chapter features detailed discussion on common and uncommon conditions and their pathology, with the latest therapies in cardiology and European and American guidelines highlighted throughout the book.

More than 1700 full colour images, illustrations, figures, flow charts and tables enhance *Illustrated Guide to Cardiovascular Disease*, an invaluable resource for all cardiologists. Extensive illustrated guide to a vast range of cardiovascular diseases Seven sections covering specific diseases and groups of diseases 1700 images in full colour Edited by Glenn N Levine, Director of the Michael E DeBakey Medical Centre in Houston, Texas

Congenital Diseases of the Heart - Abraham Rudolph 2011-08-24

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.

Cardiac CT Imaging - Matthew J. Budoff 2010-06-16

CT is an accurate technique for assessing cardiac structure and function, but advances in computing power and scanning technology have resulted in increased popularity. It is useful in evaluating the myocardium, coronary arteries, pulmonary veins, thoracic aorta, pericardium, and cardiac masses; because of this and the speed at which scans can be performed, CT is even more attractive as a cost-effective and integral part of patient evaluation. This book collates all the current knowledge of cardiac CT and presents it in a clinically relevant and practical format appropriate for both cardiologists and radiologists. The images have been supplied by an experienced set of contributing authors and represent the full spectrum of cardiac CT. As increasing numbers have access to cardiac CT scanners, this book provides all the relevant information on this modality. This is an extensive update of the previous edition bringing the reader up-to-date with the immense amount of updated content in the discipline.

Critical Heart Disease in Infants and Children E-Book - Ross M. Ungerleider 2018-09-26

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.

Cardiac Magnetic Resonance Atlas - Yasmin Rustamova 2020-08-03

This book presents the main cardiac pathologies, providing a helpful guide featuring clinical cases and electronic supplementary material. There are several systematic books on cardiac magnetic resonance, which approach the different pathologies and related pathophysiology in a general manner, and these are useful for readers at an early stage in their medical careers. However, when it comes to individual patients (during the acquisition of images and reporting activities) there is no book providing operative protocols or systematic descriptions of details

to look for. In the eight chapters (Cardiomyopathies, Myocarditis, Ischemic Heart Disease, Valvular Heart Diseases, Cardiac Masses, Pericardial Diseases, Congenital Heart Disease, and Miscellanea), the individual pathology is illustrated with a clinical case. The cases are divided into four sections: An introduction with a short medical history and the purpose of the diagnostic CMR A detailed CMR acquisition protocol CMR images, indicating purpose, method, analysis and meaning of the image, as well as videos. Concluding paragraph with the final diagnosis reached on the basis of the findings obtained in each image This book, collecting one hundred one clinical cases covering a broad spectrum of cardiac diseases, is an invaluable tool for radiologists and cardiologists.

A Practical Handbook on Pediatric Cardiac Intensive Care Therapy - Dietrich Klauwer 2018-11-11

This book combines valid physiology and treatment strategies with the institutional experience of one of the leading German pediatric heart centers. It is intended as a pragmatic guide, focusing on daily practice and bedside medicine: straightforward, easy to implement, and results-oriented. It offers readers a profound understanding of intensive care, with a specific focus on organ systems, their interactions, and the effect of life support technologies, pursuing a comprehensive approach to congenital heart defects and therapies, including pitfalls and solutions. The target group is extended towards pediatric cardiologists and anesthesiologists by integrating chapters on the systematic analysis of hemodynamics and anatomy, diagnostics and treatment of congenital heart defects, plus a chapter on modern anesthesiology during heart operations with a focus on early extubation that minimizes on-pump and medication trauma. As such, the book offers a pragmatic and clinically oriented guide for physicians with advanced experience and expertise in (cardiac) intensive and intermediate care, as well as beginners and junior physicians.

Clinical Cardiac MRI - Jan Bogaert 2012-02-04

Clinical Cardiac MRI is a comprehensive textbook intended for everyone involved in magnetic resonance imaging of the heart. It is designed both as a useful guide for newcomers to the field and as an aid for those who routinely perform such studies. The first edition, published in 2004-5, was very well received within the cardiac imaging community, and has generally been considered the reference because of its completeness, its clarity, and the number and quality of the illustrations. Moreover, the addition of a CD-ROM showing 50 real-life cases significantly enhanced the value of the book. In this second edition, the aim has been to maintain the same quality while incorporating the newest insights and developments in this rapidly evolving domain of medical imaging. The four editors, all experts in the field, have taken great care to ensure a homogeneous high standard throughout the book. Finally, the selection of 100 real-life cases, added as online material, will further enhance the value of this textbook.

Cardiac Catheterization for Congenital Heart Disease - Gianfranco Butera 2014-10-15

This handbook is an ideal, up-to-date guide to the application of catheter-based interventions across the entire patient age range, from fetal life through to adulthood. Clear instruction is offered on techniques of vascular access, valve dilatation, angioplasty, stent implantation, defect closure, defect creation, pulmonary valve implantation and the hybrid approach, as well as miscellaneous other procedures. Topics are approached using a step-by-step format, ensuring that the reader will immediately be able to access information relevant to daily practice. Many explanatory figures and drawings are included in each chapter in order to clarify further how to plan, perform and evaluate diagnostic and interventional procedures in the field of congenital heart disease. Attention is drawn to important tips and tricks that will assist in achieving optimal outcomes and an appendix includes additional general equations and BSA and oxygen consumption charts.