

Clinical Cardiac Mri Medical Radiology Diagnostic Imaging

Cardiovascular Thrombus Parallel Imaging in Clinical MR Applications Principles and Practice of Cardiac Magnetic Resonance in Congenital Heart Disease Handbook of Cardiovascular Magnetic Resonance Imaging Hot Topics in Echocardiography Cardiovascular MRI Cardiovascular Magnetic Resonance Clinical Cardiac MRI Cardiac MRI The EACVI Textbook of Cardiovascular Magnetic Resonance Cardiovascular Magnetic Resonance Made Easy E-Book Cardiovascular MRI in Congenital Heart Disease The Cardiovascular MRI Tutorial Cardiovascular Imaging Cardiovascular CT and MR Imaging Clinical Atlas of Cardiac and Aortic CT and MRI Coronary Magnetic Resonance Angiography Clinical Cardiac CT Cardiovascular MRI in Practice Learning Radiology E-Book Diseases of the Chest, Breast, Heart and Vessels 2019-2022 Atlas of Cardiovascular Magnetic Resonance Imaging Clinical MR Imaging Basic Principles of Cardiovascular MRI Cardiac MRI in Diagnosis, Clinical Management, and Prognosis of Arrhythmogenic Right Ventricular Cardiomyopathy/Dysplasia Protocols and Methodologies in Basic Science and Clinical Cardiac MRI Mayo Clinic Guide to Cardiac Magnetic Resonance Imaging Cardiac Imaging MRI of the Heart and Vessels Cardiac Magnetic Resonance Atlas Cardiovascular Magnetic Resonance E-Book Cardiovascular MRI Cardiac Imaging: The Requisites E-Book Clinical Cardiac MRI Mayo Clinic Guide to Cardiac Magnetic Resonance Imaging Clinical Perfusion MRI The ESC Textbook of Cardiovascular Imaging Practical Textbook of Cardiac CT and MRI Cardiovascular Magnetic Resonance Imaging Cardiac Imaging in Clinical Practice

Cardiovascular Thrombus

The Mayo Clinic Guide to Magnetic Resonance Imaging, Second Edition, is a thoroughly handy reference text and soon to be classic text is designed to educate physicists, technologists, and clinicians in the basics of cardiac MRI. A significantly expanded and reworked clinical imaging section provides numerous imaging protocols for the most commonly indicated cardiac MRI examinations as well as a plethora of well illustrated and described clinical examples. This text is a must have for anyone interested in developing their own cardiovascular MR imaging practice or advancing their existing skills. The addition of case-based questions and answers add a new dimension to this expanded second edition.

Parallel Imaging in Clinical MR Applications

The updated third edition of this best-selling Radiology Requisites™ volume concisely synthesizes all of today's core knowledge about cardiac imaging. Clinically oriented coverage encompasses everything from basic principles through the latest diagnostic imaging techniques, equipment, and technology. This edition features new editors and new chapters on

Cardiac CT, Coronary CTA, and more. Practice-proven tips and excellent problem-solving discussions are accompanied by nearly 718 figures (over 1000 pieces) of the highest quality, many of which have been updated and redrawn. The result is an outstanding review source for certification or recertification, as well as a highly user-friendly resource for everyday clinical practice. Covers valvular, ischemic, pericardial, myocardial, congenital, and thoracic/aortic heart disease. Describes all of the imaging modalities currently being used (plain film, ultrasound, CT, and MR), and discusses potential future developments. Delivers outstanding illustrations that demonstrate a full range of cardiac imaging approaches and findings. Features the expert contribution of two new co-editors, Drs. Suhny Abbara and Larence Boxt, to provide you with fresh perspective on the latest technologies. Covers the various modalities of MR, CT, PET, and SPECT perfusion in more depth. Includes new chapters on Cardiac CT and Coronary CTA for current information on all imaging modalities. Presents updated and redrawn illustrations and color images interspersed throughout the text for easier and more intuitive access.

Principles and Practice of Cardiac Magnetic Resonance in Congenital Heart Disease

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.

Handbook of Cardiovascular Magnetic Resonance Imaging

This title provides an easily digestible and portable synopsis of the technique which will suit the needs of cardiologists and cardiothoracic surgeons wishing to acquaint themselves with what CMR can do, and what it cannot. Beginning with an outline of some of the basic principles of MRI, the following chapters concentrate on the cardiac side of CMR with a later section on its more established vascular uses.

Hot Topics in Echocardiography

This book is a comprehensive and authoritative text on the expanding scope of CMR, dedicated to covering basic principles in detail focusing on the needs of cardiovascular imagers. The target audience for this book includes CMR specialists, trainees in CMR and cardiovascular medicine, cardiovascular physicists or clinical cardiovascular imagers. This book includes figures and CMR examples in the form of high-resolution still images and is divided in two sections: basic MRI physics, i.e. the nuts and bolts of MR imaging; and imaging techniques (pulse sequences) used in cardiovascular MR imaging. Each imaging technique is discussed in a separate chapter that includes the physics and clinical applications (with

cardiovascular examples) of a particular technique. Evolving techniques or research based techniques are discussed as well. This section covers both cardiac and vascular imaging. Cardiovascular magnetic resonance (CMR) imaging is now considered a clinically important imaging modality for patients with a wide variety of cardiovascular diseases. Recent developments in scanner hardware, imaging sequences, and analysis software have led to 3-dimensional, high-resolution imaging of the cardiovascular system. These developments have also influenced a wide variety of cardiovascular imaging applications and it is now routinely used in clinical practice in CMR laboratories around the world. The non-invasiveness and lack of ionizing radiation exposure make CMR uniquely important for patients whose clinical condition requires serial imaging follow-up. This is particularly true for patients with congenital heart disease (CHD) with or without surgical corrections who require lifelong clinical and imaging follow-up.

Cardiovascular MRI

This text equips radiologists with a firm working knowledge of the physical principles underlying cardiovascular MR image generation. Emphasis is on practical applications of MR physics in customizing and optimizing imaging sequences and protocols and minimizing artifacts. Section I covers basic principles of MR physics and includes a chapter on safety. Section II applies these principles to vascular imaging, including gadolinium-enhanced MR angiography. Section III examines various techniques and applications of cardiac MR imaging. Each chapter includes boxed Key Concepts, Challenging Questions, and Review Questions, and many chapters include sample protocols. More than 400 drawings and scans complement the text.

Cardiovascular Magnetic Resonance

In recent years, there has been increasing interest in the clinical applications of coronary angiography techniques. Coronary MRA can be instrumental in the evaluation of congenital coronary artery anomalies, however, the complexity of advanced MR pulse sequences and strategies may be overwhelming to many. Coronary MR Angiography demystifies the art of coronary MRA by providing a text in plain language with clearly illustrated imaging steps and protocols. Designed to bridge the gap between radiology and cardiology, it is written for physicians and scientists planning to incorporate this technique into their research or practice.

Clinical Cardiac MRI

Cardiovascular MR imaging has become a robust, clinically useful mod- ity, and the rapid pace of innovation and important information it conveys have attracted many students whose goal is to become adept practitioners. In turn, many excellent textbooks have been written to aid this process. These books are necessary and useful in helping the student learn the

underlying pulse sequences used in CMR, as well as the imaging findings in a variety of disorders. However, one of the difficulties inherent in learning CMR from a book is that the printed format is not the ideal medium to display the dynamic imaging that comprises a typical CMR case. For instance, it may be difficult to perceive focal areas of wall motion abnormality on serial static pictures, but these abnormalities are often easily seen on cine loops. One might say that trying to learn CMR solely from a standard textbook with illustrations is like trying to learn to drive by looking at snapshots obtained through the windshield of a moving car. The learner needs to see the cardiac motion and decide if it is normal or abnormal; he or she needs to be in the driver's seat. An additional limitation of the available textbooks on CMR is that while they often have superb illustrations of abnormal findings, these images have been preselected.

Cardiac MRI

This concise and comprehensive review uniquely contains all the information required to perform and interpret clinical MR perfusion imaging.

The EACVI Textbook of Cardiovascular Magnetic Resonance

Cardiovascular Magnetic Resonance (CMR) is a rapidly expanding imaging method in cardiology which provides unparalleled diagnostic information about the heart. It is however a complex technique and though the availability of scanners is increasing quickly, the expertise required to perform the scans is limited. While no book is a substitute for experience, this handbook provides an invaluable guide to performing and interpreting the scans which should aid both new and experienced operators. Cardiovascular Magnetic Resonance is an indispensable guide to performing and interpreting CMR scans. What to look for, which sequences to include, how to acquire them, and how to interpret the images are all included in the handbook. The information is provided in a quick-reference, easy-to-use format with many images from real cases, and is designed to sit on the scanning console or in the office, providing a step-by-step guide to aid the CMR practitioner at every stage. All areas of cardiovascular imaging are covered, including tips and tricks for optimal imaging and how to avoid and spot artefacts. From patient safety to differential diagnoses of tricky images, to an easy to understand section on the science behind magnetic resonance, all aspects are covered in this concise yet comprehensive guide to this specialist area. Whether a novice or expert in the field, all readers should find this book a useful tool. It is an invaluable reference that no CMR department should be without.

Cardiovascular Magnetic Resonance Made Easy E-Book

This book presents the first in-depth introduction to parallel imaging techniques and, in particular, to the application of

parallel imaging in clinical MRI. It will provide readers with a broader understanding of the fundamental principles of parallel imaging and of the advantages and disadvantages of specific MR protocols in clinical applications in all parts of the body at 1.5 and 3 Tesla.

Cardiovascular MRI in Congenital Heart Disease

This text/DVD package is ideally suited for training courses for cardiologists and radiologists seeking certification to perform and interpret cardiovascular MRI (CMR) examinations. The authors present 37 lectures that systematically explain all key aspects of CMR. Coverage begins with an overview of principles, equipment, and imaging methods and proceeds to imaging protocols and clinical applications. An Advanced Training section includes details of imaging techniques, vascular imaging techniques, specialized cardiac imaging, and artifacts. The text and the PowerPoint lectures on the DVD complement each other in a unique way. The book mirrors the content of the lectures and provides full explanations of concepts that are well illustrated in the slides. DVD for Windows (PC only; Mac is available upon request).

The Cardiovascular MRI Tutorial

This up-to-date textbook comprehensively reviews all aspects of cardiac CT and MRI and demonstrates the value of these techniques in clinical practice. A wide range of applications are considered, including imaging of atherosclerotic and non-atherosclerotic coronary artery disease, coronary revascularization, ischemic heart disease, non-ischemic cardiomyopathy, valvular heart disease, cardiac tumors, and pericardial disease. The numerous high-quality images illustrate how to interpret cardiac CT and MRI correctly for the purposes of diagnosis, treatment planning, and follow-up. Helpful summarizing sections in every chapter will facilitate rapid retrieval of information. This book will be of great value to radiologists and cardiologists seeking a reliable guide to the optimal use of cardiac CT and MRI in real clinical situations. An additional feature is the provision of QR codes allowing internet access to references, further figures, and motion pictures. The reader will be able to enjoy this book using a smartphone or tablet PC.

Cardiovascular Imaging

The availability and diffusion of high-performance technologies has strengthened the role of CT angiography and MR angiography as simple and reliable techniques for the characterization and treatment planning of the main diseases of the cardiocirculatory system, an understanding of which has become essential for all radiologists. The aim of this book is to provide technical indications which are both concise and thorough regarding the main methods and examination techniques for performing high-quality CT angiography and MR angiography studies in a broad range of clinical settings. This is

supported by a large number of cases and is rich with advice on image interpretation and practical suggestions for the evaluation and reporting of the examinations. The text will therefore also aim to provide a comparison of the advantages and limitations of the two techniques in various diseases and vascular regions, thus offering indications to both the expert and trainee radiologist.

Cardiovascular CT and MR Imaging

Cardiac Magnetic Resonance Imaging (CMR) is a rapidly evolving tool. This book presents a state-of-the-art compilation of expert contributions to the field, each examining normal and pathologic anatomy of the cardiovascular system as assessed by magnetic resonance imaging. Functional techniques such as myocardial perfusion imaging and assessment of flow velocity are emphasized. The book represents a multi-disciplinary approach to the field.

Clinical Atlas of Cardiac and Aortic CT and MRI

Written by an interdisciplinary team of experts, *Cardiac Imaging: A Multimodality Approach* features an in-depth introduction to all current imaging modalities for the diagnostic assessment of the heart as well as a clinical overview of cardiac diseases and main indications for cardiac imaging. With a particular emphasis on CT and MRI, the first part of the atlas also covers conventional radiography, echocardiography, angiography and nuclear medicine imaging. Leading specialists demonstrate the latest advances in the field, and compare the strengths and weaknesses of each modality. The book's second part features clinical chapters on heart defects, endocarditis, coronary heart disease, cardiomyopathies, myocarditis, cardiac tumors, pericardial diseases, pulmonary vascular diseases, and diseases of the thoracic aorta. The authors address anatomy, pathophysiology, and clinical features, and evaluate the various diagnostic options. Key features: Highly regarded experts in cardiology and radiology offer image-based teaching of the latest techniques. Readers learn how to decide which modality to use for which indication. Visually highlighted tables and essential points allow for easy navigation through the text. More than 600 outstanding images show up-to-date technology and current imaging protocols. *Cardiac Imaging: A Multimodality Approach* is a must-have desk reference for cardiologists and radiologists in practice, as well as a study guide for residents in both fields. It will also appeal to cardiac surgeons, general practitioners, and medical physicists with a special interest in imaging of the heart.

Coronary Magnetic Resonance Angiography

The last 10 years has seen explosive expansion of the number of centres performing cardiovascular magnetic resonance (CMR) imaging. The majority of this expansion has been in the field of adult ischaemic imaging, but congenital heart

disease remains one of the main indications for CMR. Importantly, the greatly improved survival of patients with congenital heart disease gives us a burgeoning adult population living with the sequelae of the disease (grown-up congenital heart disease – GUCH). Without previous experience or formal training, the interpretation of CMR images of patients with congenital heart disease can be difficult. The main aim of this book is to create a portable resource that offers efficient access to high-quality MR (and where appropriate, CT) images of the common congenital and structural heart abnormalities. We hope that by providing key images for each condition and a clear interpretation of the MR appearances, we will improve the reader's understanding of the conditions, facilitate their interpretation of images and optimise the planning of the imaging protocols during their own practice of congenital CMR. As with any publication from a single institution, the contents of this book represent our own practice. We have not written a definitive or exhaustive description of the conditions.

Clinical Cardiac CT

Atlas of Cardiovascular MR, by Christopher M. Kramer, MD and W. Gregory Hundley, MD, provides the rich visual guidance you need to effectively diagnose cardiovascular problems using the latest cardiac magnetic resonance imaging approaches. Using a case-based approach, this new clinical reference explains how to select and implement the best imaging options for every type of cardiovascular disease and shows you how to interpret your findings. An Expert Consult site, included with the book, provides additional images and videos that provide further clarity on cardiovascular applications of MR imaging. Key points in each chapter summarize the most important things to remember. A case-based format demonstrates how imaging principles apply to real clinical situations. A clinically oriented, practical approach focuses on the hands-on knowledge you need to achieve the best image quality, avoid artifacts, and interpret images accurately. Numerous high-quality images, many in full color, mirror the cardiovascular MR findings you see in practice. A companion DVD provides additional images and videos that further illustrate cardiovascular applications of MR imaging. A logical, consistent format in each chapter makes information easy to find.

Cardiovascular MRI in Practice

The leading introductory radiology text for medical students and others who are required to read and interpret common radiologic images, Learning Radiology, 4th Edition, stresses an easy-to-follow pattern recognition approach that teaches how to differentiate normal and abnormal images. Dr. William Herring's clear, conversational writing style employs a touch of humor to explain what you need to know to effectively interpret medical images of all modalities. From the basics of patient safety, dose reduction, and radiation protection to the latest information on ultrasound, MRI, and CT, this concise, user-friendly text provides a complete, up-to-date introduction to radiology needed by today's students. Teaches how to

arrive at a diagnosis by following a pattern recognition approach, and logically overcome difficult diagnostic challenges with the aid of decision trees. Features an easy-to-read bulleted format, high-quality illustrations, useful tables, and teaching boxes, as well as special content on Diagnostic Pitfalls; Really Important Points; Weblinks; and Take-Home Points. Includes three new chapters: Vascular, Pediatric, and Point-of-Care Ultrasound; Using Image-Guided Interventions in Diagnosis and Treatment (Interventional Radiology); Recognizing the Imaging Findings of Breast Disease. Shares the extensive knowledge and experience of esteemed author Dr. William Herring—a skilled radiology teacher and the host of his own specialty website, www.learningradiology.com. Offers quick review and instruction for medical students, residents, and fellows, as well as those in related fields such as nurse practitioners and physician assistants.

Learning Radiology E-Book

Accompanying DVD-ROM contains "high-quality three-dimensional displays of cardiac anatomy and more than 100 cine displays of cardiac function in real clinical applications."--Page 4 of cover. Fuller description of DVD-ROM contents on pp. ix-xi.

Diseases of the Chest, Breast, Heart and Vessels 2019-2022

Cardiovascular Magnetic Resonance provides you with up-to-date clinical applications of cardiovascular MRI for the broad spectrum of cardiovascular diseases, including ischemic, myopathic, valvular, and congenital heart diseases, as well as great vessel and peripheral vascular disease. Editors Warren J. Manning and Dudley J. Pennell and their team of international contributors cover everything from basic MR physics to sequence design, flow quantification and spectroscopy to structural anatomy and pathology. Learn the appropriate role for CMR in a variety of clinical settings with reference to other modalities, practical limitations, and costs. With the latest information on contrast agents, MR angiography, MR spectroscopy, imaging protocols, and more, this book is essential for both the beginner and expert CMR practitioner. Covers both the technical and clinical aspects of CMR to serve as a comprehensive reference. Demonstrates the full spectrum of the application of cardiac MR from ischemic heart disease to valvular, myopathic, pericardial, aortic, and congenital heart disease. Includes coverage of normal anatomy, orientation, and function to provide you with baseline values. Discusses advanced techniques, such as interventional MR, to include essential information relevant to the specialist. Features appendices with acronyms and CMR terminology used by equipment vendors that serve as an introduction to the field. Uses consistent terminology and abbreviations throughout the text for clarity and easy reference. Covers both the technical and clinical aspects of CMR to serve as a comprehensive reference. Demonstrates the full spectrum of the application of cardiac MR from ischemic heart disease to valvular, myopathic, pericardial, aortic, and congenital heart disease. Includes coverage of normal anatomy, orientation, and function to provide you with baseline values. Discusses advanced techniques, such as

interventional MR, to include essential information relevant to the specialist. Features appendices with acronyms and CMR terminology used by equipment vendors that serve as an introduction to the field. Uses consistent terminology and abbreviations throughout the text for clarity and easy reference.

Atlas of Cardiovascular Magnetic Resonance Imaging

In recent years magnetic resonance imaging (MRI) has enriched the technological potential available for the characterization of cardiovascular pathologies, adding substantial advantages to other non-invasive techniques. This technique, which is intrinsically digital and has reduced operator dependency, allows the performance of image analysis in a quantitative and reproducible manner. The use of non-ionizing energy with the consequent absence of an environmental impact and of operator and patient biohazards makes MRI a winning technique when evaluating the risk – benefit ratio in comparison to other imaging methods. In virtue of its added diagnostic value and inherent refinements that allow construction of two- and three-dimensional images, MRI is gaining a primary role in the histopathological and physiopathological understanding of a large number of pathologies concerning the heart and vessels. This text is addressed both to MRI operators seeking specific technical information and to clinicians who wish to have a better understanding of the diagnostic and management advantages that MRI can offer.

Clinical MR Imaging

This book focuses on the practical issues of the implementation of state-of-the-art acquisition methodologies and protocols for both basic science and clinical practice. It is a practical guidebook for both beginners and advanced users for easy and practical implementation of acquisition protocols. It is relevant for a wide audience that ranges from students, residents, fellows, basic scientists, physicists, engineers, and medical practitioners. The novelty of this book relates to its intended practical use and focus on state-of-the-art cardiac MRI techniques that span both the clinical and basic science fields. In comparison and contrast to other pre-existing books, this book will distinguish from others for its practical usefulness and conciseness. Correspondingly, the book will be used as a handbook (quick reference) for new starters or people who would like to establish state-of-the-art cardiac MRI techniques in their institutions. Given the historical evolution of technique development in MRI, the clinical and basic science topics will be described separately. However, in instances where basic science development complemented (or is envisaged to complement) clinical development (e.g., Diffusion MRI and tractography), every effort will be made to allow a comprehensive review and associations of the clinical/basic science subfields.

Basic Principles of Cardiovascular MRI

This book provides a concise guide to echocardiography, SPECT, CT and MRI, including both the basics of cardiac imaging as well as tables of normal/abnormal values and guidelines. With advances in technology, cardiac CT and MRI are becoming more popular but are often limited to larger medical centers. By including the basics of these modalities, this book provides a comprehensive guide for a wide range of medical professionals. As physicians outside of cardiology often do not have sufficient exposure to nuclear stress tests, this book contains SPECT and stress test protocols in order to facilitate decision-making when ordering tests and interpreting results. Cardiac Imaging in Clinical Practice is a quick reference guide and will be useful at multiple levels of training, enabling the book to be used as a basic and advanced reference source. As such, it is appropriate for students, residents, fellows and staff attendings who want a practical and handy reference to the diagnostic options open to them.

Cardiac MRI in Diagnosis, Clinical Management, and Prognosis of Arrhythmogenic Right Ventricular Cardiomyopathy/Dysplasia

Cardiovascular Magnetic Resonance (CMR) is well established in clinical practice for the diagnosis and management of a wide array of cardiovascular diseases. This expertly written source offers a wealth of information on the application and performance of CMR for diagnosis and evaluation of treatment.

Protocols and Methodologies in Basic Science and Clinical Cardiac MRI

The Mayo Clinic Guide to Magnetic Resonance Imaging, Second Edition, is a thoroughly handy reference text and soon to be classic text is designed to educate physicists, technologists, and clinicians in the basics of cardiac MRI. A significantly expanded and reworked clinical imaging section provides numerous imaging protocols for the most commonly indicated cardiac MRI examinations as well as a plethora of well illustrated and described clinical examples. This text is a must have for anyone interested in developing their own cardiovascular MR imaging practice or advancing their existing skills. The addition of case-based questions and answers add a new dimension to this expanded second edition.

Mayo Clinic Guide to Cardiac Magnetic Resonance Imaging

This book is focused on the use of non-invasive imaging in clinical cardiology. Its central theme is the use of different imaging modalities in the routine clinical problems that physicians encounter on a regular basis. Many different clinical issues are discussed, including valvular disease, coronary artery disease, and myocardial and pericardial disease. In these various pathologies, the applications of echocardiography, nuclear imaging, CMR and MSCT are highlighted. The majority of chapters are illustrated with a clinical case study and with moving images, which are contained on the accompanying CD.

These case studies offer excellent examples of how to use the imaging modalities in clinical cardiology. Contributors are from Europe, the US and Asia to provide a global perspective. The ESC Education Series This book with its supporting CD is part of the ESC Education Series. The series is designed to provide medical professionals with the latest information about the understanding, diagnosis and management of cardiovascular diseases. Where available, management recommendations are based on the established European Guidelines, which encompass the best techniques to use with each cardiac disease. Throughout the series, the leading international opinion leaders have been chosen to edit and contribute to the books. The information is presented in a succinct and accessible format with a clinical focus.

Cardiac Imaging

Cardiovascular Thrombus: From Pathology and Clinical Presentations to Imaging, Pharmacotherapy and Interventions provides a comprehensive, up-to-date presentation of the research and clinical practices as related to the contemporary aspects of the diagnosis and management of cardiovascular thrombosis. The formation, identification and management of cardiovascular thrombus is of paramount importance for researchers and practicing physicians, yet it remains one of the most challenging diagnostic and clinical scenarios. This important reference connects between research, up-to-date clinical knowledge, and the technological tools available for diagnosis and management of thrombus in cardiovascular medicine. The book includes comprehensive descriptions and review of pathology, clinical presentations, diagnosis, pharmacotherapy, interventions and future trends. It is the perfect reference for basic science students and researchers in general and interventional cardiology, general and interventional radiology, vascular medicine specialists, and vascular, general and cardiac surgeons. Provides comprehensive presentation of the pathophysiology, clinical presentations and diagnosis of cardiovascular thrombosis Includes the most up-to-date information on the practical management of patients with thrombus related conditions Written by the leading experts in the field Describes the current and upcoming pharmacotherapy and technology available for thrombus research and treatment

MRI of the Heart and Vessels

Cardiac MRI in Diagnosis, Clinical Management and Prognosis of Arrhythmogenic Right Ventricular Cardiomyopathy / Dysplasia provides up-to-date information regarding the most effective diagnostic protocols and CMR sequences for the evaluation of patients with suspected or known ARVC/D. It includes CMR protocol summaries and clinical algorithms presented as flow diagrams, many of which have never been previously published. The book contains case reports from the practice and database of Dr. Frank I. Marcus, world renowned ARVC/D expert; as well as input from imaging experts from a large academic center with unique RV pathology imaging experience. This title is the perfect pocket companion for cardiologists, pediatric cardiologists, cardiac imaging and electrophysiology specialists as well as cardiology researchers.

The only comprehensive MRI reference focused and dedicated on the utilization of MRI in screening, diagnosis, therapeutic guidance and prognostic assessment of ARVC/D. Provides evidence based diagnostic and prognostic algorithms for management of patients with known and suspected ARVC/D. Contains concise clinical CMR acquisition protocol and evidence-based summaries of recommendations and multiple practical tips and tricks shared by experts in the field. Includes practical guidelines helping to determine pre-test and post-test likelihood of ARVC/D; as well as CMR evidence of the disease progression. Accompanying website provides complementary videos important for the understanding of ARVC diagnosis.

Cardiac Magnetic Resonance Atlas

Cardiac Magnetic Resonance (CMR) is a rapidly evolving imaging technology and is now increasingly utilized in patient care. Its advantages are noninvasiveness, superb image resolutions, and body tissue characterization. CMR is now an essential part of both cardiology and radiology training and has become part of the examination for Board certification. This book provides a condensed but comprehensive and reader friendly educational tool for cardiology fellows and radiology residents. It contains multiple choice questions similar to board examinations with concise comment and explanation about the correct answer.

Cardiovascular Magnetic Resonance E-Book

Now in its second edition, the ESC Textbook of Cardiovascular Imaging continues to supply the reader with extensive coverage of all the cardiovascular imaging modalities. This is a clinically orientated reference guide ideal for cardiologists and radiologists alike. This textbook puts theory into practice by demonstrating how cardiovascular imaging techniques are used in the diagnosis of cardiovascular diseases, with extensive high quality images that supplement the text. Written by experienced professionals specialising in cardiovascular imaging, and edited by a distinguished team of experts, the textbook offers the reader an informed and up to date account of the field. It is ideal for specialist cardiovascular image practitioners, general cardiologists, and trainees, as well as radiologists.

Cardiovascular MRI

CMR is a powerful tool in the armamentarium of pediatric cardiology and health care workers caring for patients with congenital heart disease (CHD), but a successful study still presents major technical and clinical challenges. This text was created to give trainees, practitioners, allied professionals, and researchers a repository of dependable information and images to base their use of CMR on. Because CHD presents an intricate web of connections and associations that need to

be deciphered, the imager performing CMR needs to understand not only anatomy, physiology, function, and surgery for CHD, but also the technical aspects of imaging. Written by experts from the world's leading institutions, many of whom pioneered the techniques and strategies described, the text is organized in a logical way to provide a complete understanding of the issues involved. It is divided into three main parts: The Basics of CMR - familiarizes the reader with the minimum tools needed to understand the basics, such as evaluating morphology, ventricular function, and utilizing contrast agents CMR of Congenital and Acquired Pediatric Heart Disease - discusses broad categories of CHD and the use of CMR in specific disease states Special Topics in Pediatric Cardiac MR - covers other important areas such as the complementary role of CT scanning, interventional CMR, the role of the technologist in performing a CMR exam, and more With the ever increasing sophistication of technology, more can be done with CMR in a high quality manner in a shorter period of time than had been imagined as recently as just a few years ago. Principles and Practice of Cardiac Magnetic Resonance in Congenital Heart Disease: Form, Function, and Flow makes a major contribution to applying these techniques to improved patient care. An ideal introduction for the novice or just the curious, this reference will be equally useful to the seasoned practitioner who wants to keep pace with developments in the field and would like a repository of information and images readily available.

Cardiac Imaging: The Requisites E-Book

This atlas comprehensively describes the application of computed tomography (CT) and magnetic resonance (MR) imaging in real-world scenarios using 192 illustrative clinical cases. These imaging techniques are revolutionizing the diagnostic and therapeutic approach for cardiovascular patients and are progressively becoming viable sub-specialties among radiologists and cardiologists. Clinical Atlas of Cardiac and Aortic CT and MRI features clinically relevant case-based examples of how CT and MR imaging techniques can be applied to identify the pathological features of a range of acquired and congenital heart diseases. Using more than 1000 high-quality figures of distinctive CT and MR imaging features of most cardiovascular diseases, both acquired and congenital, it therefore provides a valuable resource for both specialist and non-specialist radiology/cardiology practitioners seeking to develop a deep understanding of how to recognize the features of a variety of heart diseases using CT and MR imaging techniques.

Clinical Cardiac MRI

This fully updated edition of the most comprehensive and best-illustrated volume on cardiac MRI emphasizes its use in everyday clinical practice and includes in its online edition dozens more real-life cases that significantly enhance the utility of the book.

Mayo Clinic Guide to Cardiac Magnetic Resonance Imaging

Echocardiography is still the most used imaging technique for the evaluation of cardiac anatomy and function and today it plays an essential role in daily decision making. The echocardiographic technology and its applications have widely developed in the last years leading to a better diagnostic accuracy. On the other hand echocardiography specialists have new clinical questions to answer. Echocardiography meets the growing need for non-invasive imaging in the expanding heart failure population and during structural heart interventions. The new percutaneous therapies need, a precise evaluation of cardiac dimensions and a complete understanding of the spatial relationships between cardiac structures. Echocardiography is of paramount importance both during the patient evaluation and guiding the procedure. This book tries to give an in depth evaluation about the specific issues that a modern cardiovascular imaging specialist is asked to answer nowadays.

Clinical Perfusion MRI

This highly comprehensive and informed textbook has been prepared by the Cardiovascular Magnetic Resonance section of the European Society of Cardiology association on imaging, the EACVI. The EACVI Textbook of Cardiovascular Magnetic Resonance is the authority on the subject. The textbook is aligned with ESC Core Curriculum and EACVI Core Syllabus for CMR. It is a practical resource and provides a disease orientated outlook on the subject. Structured with thirteen clear and detailed sections, ranging from Physics to Methodology, and featuring specific sections on ischemic heart disease, myocardial disease, pericardial disease, and congenital heart disease and adult congenital heart disease, The EACVI Textbook of Cardiovascular Magnetic Resonance provides extensive knowledge across the entire subject area in CMR. Beautifully illustrated and physical principles enriched with schematic animations, the textbook is advanced further with key video content based on clinical cases. Written by leading experts in the field from across the world, the textbook aims to summarise the existing research and clinical evidence for the various CMR indications and provide an invaluable resource for cardiologists and radiologists across the board. The textbook is ideal for cardiologists and radiologists new to the field of Cardiovascular Magnetic Resonance, those preparing for ESC certification in CMR, and those established in the field wishing to gain a deep understanding of CMR. Online access to the digital version is included with purchase of the print book, with accompanying videos referenced within the text available on Oxford Medicine Online.

The ESC Textbook of Cardiovascular Imaging

Practical Textbook of Cardiac CT and MRI

In 15 years MRI has evolved into an essential modality, developing from being a preferred neuroimaging method to becoming a whole-body, comprehensive imaging approach. For this, various coils, pulse sequences, and contrast media have been developed. The complexity of the factors to consider often represents an obstacle not only to beginners but also to more experienced technicians and physicians. Since routine diagnostic questions represent more than 90% of clinical examinations, the intention of the editors and authors was to provide an understandable book for this purpose. The book gives practical information about performing effective and efficient MR examinations in daily practice. Solving clinical questions with new sequences should no longer be difficult for beginners in the field.

Cardiovascular Magnetic Resonance Imaging

This pictorial instructional pocket guide, derived from Cardiovascular MRI Tutorial, is a quick reference for MRI technologists, technologist trainees, and radiology or cardiology residents or fellows. Routine cardiac imaging protocols are presented in step-by-step fashion for immediate reference during an MRI examination. Each chapter displays a specific protocol from start to finish, including positioning, anatomy, and sequence terminology, with easy-to-follow illustrative images. Coverage includes protocols for cardiac function; cardiac function/viability; cardiac function/non-ischemic viability; arch; arrhythmogenic right ventricular dysplasia/cardiomyopathy (ARVD/C); pulmonary vein electrophysiology (EP) ablation; constrictive pericarditis; atrial or ventricular septal defect (ASD or VSD); anomalous coronaries; and cardiac thalassemia.

Cardiac Imaging in Clinical Practice

This open access book focuses on diagnostic and interventional imaging of the chest, breast, heart, and vessels. It consists of a remarkable collection of contributions authored by internationally respected experts, featuring the most recent diagnostic developments and technological advances with a highly didactical approach. The chapters are disease-oriented and cover all the relevant imaging modalities, including standard radiography, CT, nuclear medicine with PET, ultrasound and magnetic resonance imaging, as well as imaging-guided interventions. As such, it presents a comprehensive review of current knowledge on imaging of the heart and chest, as well as thoracic interventions and a selection of "hot topics". The book is intended for radiologists, however, it is also of interest to clinicians in oncology, cardiology, and pulmonology.

[ROMANCE](#) [ACTION & ADVENTURE](#) [MYSTERY & THRILLER](#) [BIOGRAPHIES & HISTORY](#) [CHILDREN'S](#) [YOUNG ADULT](#) [FANTASY](#)
[HISTORICAL FICTION](#) [HORROR](#) [LITERARY FICTION](#) [NON-FICTION](#) [SCIENCE FICTION](#)