

---

# Read Online Atlas Of Cardiovascular Computed Tomography

---

Yeah, reviewing a books **Atlas Of Cardiovascular Computed Tomography** could build up your near friends listings. This is just one of the solutions for you to be successful. As understood, realization does not suggest that you have extraordinary points.

Comprehending as with ease as bargain even more than extra will find the money for each success. next to, the message as well as perspicacity of this Atlas Of Cardiovascular Computed Tomography can be taken as well as picked to act.

---

## **KEY=TOMOGRAPHY - CARNEY BRENDA**

---

---

### **ATLAS OF CARDIOVASCULAR COMPUTED TOMOGRAPHY**

---

*Springer* This atlas is a comprehensive visual reference for the use of cardiovascular computed tomography (CT) containing photomicrographs, anatomic illustrations, tables, and charts paired with extensive legends and explanations that are supplemented by extensive research, peer-reviewed articles, and textbooks. In addition to providing historical perspective and current direction for CT, this new edition of Atlas of Cardiovascular Computed Tomography 2e focuses on research involving coronary artery diseases and anomalies, congestive heart failure, atherosclerotic plaques and asymptomatic disease, as well as imaging techniques, including preparation, acquisition, and processing, involving the great vessels and carotids, the peripheral vasculature, and coronary and pulmonary veins. The increasing role of CT in the emergency room and in private cardiology practice is also reviewed thoroughly, making this an essential read for all involved in cardiac imaging, cardiology and emergency medicine.

---

### **ATLAS OF CARDIOVASCULAR COMPUTED TOMOGRAPHY**

---

A comprehensive atlas containing photomicrographs, anatomic illustrations, tables, and charts paired with legends and explanations that are supplemented by extensive research, peer-reviewed articles, and textbooks. In addition to providing historical perspective and current direction for computed tomography, this atlas focuses on research involving coronary artery diseases and anomalies, congestive heart failure, atherosclerotic plaques and asymptomatic disease, as well as imaging techniques, including preparation, acquisition, and processing, involving the great vessels and carotids, the peripheral vasculature, and coronary and pulmonary veins. Also a discussion of the role of computed tomography in the emergency room and in private cardiology practice.

---

### **ATLAS OF CARDIOVASCULAR COMPUTED TOMOGRAPHY**

---

---

## **AN IMAGING COMPANION TO BRAUNWALD'S HEART DISEASE**

---

*Elsevier Health Sciences Atlas of Cardiac CT*, by Allen J. Taylor, MD, is a practical cardiac imaging reference that provides comprehensive coverage of all aspects of this modality. Inside you'll find user-friendly case-based structured sections that offer a brief clinical introduction, multiple CT images, highlights of strengths and pitfalls, brief commentary, and further suggested readings-equipping you with everything you need to know to obtain the best imaging results. Expert Consult functionality further enhances your reference power with convenient online access to the complete contents of the book-fully searchable-along with additional images and videos. Features a clinically oriented, case-based and evidence-based approach for coverage that you can readily apply in your daily practice. Offers the guidance of today's experts in cardiac CT, along with input of the editorial team behind Braunwald's Heart Disease, to ensure that you have only the best knowledge at your fingertips. Includes a final chapter, Which Modality for Which Disease, to help you determine the best imaging modality to use for a specific problem. Presents abundant high-quality images that clearly depict the use of cardiac CT and visually reinforce the text. Provides complete guidance on obtaining the best image quality possible and the avoidance of artifacts. Uses a consistent chapter format that makes it easy to find the information you need. Offers access to the complete contents online, fully searchable, along with additional images and videos, at [expertconsult.com](http://expertconsult.com). Your purchase entitles you to access the web site until the next edition is published, or until the current edition is no longer offered for sale by Elsevier, whichever occurs first. Elsevier reserves the right to offer a suitable replacement product (such as a downloadable or CD-ROM-based electronic version) should access to the web site be discontinued.

---

## **ATLAS OF CT ANGIOGRAPHY**

---

### **NORMAL AND PATHOLOGIC FINDINGS**

---

*Springer* This atlas presents normal and pathologic findings observed on CT angiography with 3D reconstruction in a diverse range of clinical applications, including the imaging of cerebral, carotid, thoracic, coronary, abdominal and peripheral vessels. The superb illustrations display the excellent anatomic detail obtained with CT angiography and depict the precise location of affected structures and lesion severity. Careful comparisons between normal imaging features and pathologic appearances will assist the reader in image interpretation and treatment planning and the described cases include some very rare pathologies. In addition, the technical principles of the modality are clearly explained and guidance provided on imaging protocols. This atlas will be of value both to those in training and to more experienced practitioners within not only radiology but also cardiovascular surgery, neurosurgery, cardiology and neurology.

---

## **CT ATLAS OF ADULT CONGENITAL HEART DISEASE**

---

*Springer Science & Business Media* The aims and scope of this atlas include a complete review of the embryology of the normal heart, the normal cardiac anatomy

along with a complete discussion of the terms and definitions used to identify and clarify both normal and abnormal anatomy. In addition, techniques of cardiac CT angiography as it pertains to imaging congenital abnormalities are discussed including radiation concepts and radiation saving techniques. The bulk of this book then goes on to completely review the field of adult congenital heart disease using text and more importantly a multitude of pictorial examples (in color and grey scale) to demonstrate the abnormalities. Drawings accompany each picture to better explain the example. Furthermore, difficult and complex anatomical examples are supplemented with digital images and movies to aid in illustrating and understanding the anatomy. Each general set of anomalies as well as each specific abnormality or set of abnormalities includes a concise and simple review of the embryology and epidemiology of the abnormality as well as a concise explanation of the anatomy of the abnormality. In addition, the methods to identify and recognize the abnormality by computed tomography is discussed. Finally, the prognosis and common treatment options for the anomaly are addressed within this comprehensive book.

---

## **REVISITING CARDIAC ANATOMY**

---

### **A COMPUTED-TOMOGRAPHY-BASED ATLAS AND REFERENCE**

---

*John Wiley & Sons* This new atlas represents a fresh fresh approach to cardiac anatomy, providing images of unparalleled quality, along with explanatory text, to show in vivo heart anatomy and explain the clinically relevant underlying anatomic concepts. In spite of amazing proliferation of information on the Internet and multiple websites filled with up-to-date information, there is no similarly detailed and systematic compilation of morphological imaging with CT. Organized for both systematic learning and to serve as a quick, yet detailed reference for specific clinical questions, this book is an invaluable resource for medical students and residents, cardiologists, and especially surgeons, interventionalists and electrophysiologists, who depend on ever more detailed imaging support in order to successfully perform increasingly complex coronary and noncoronary structural interventions and other procedures.

---

### **ATLAS OF NON-INVASIVE CORONARY ANGIOGRAPHY BY MULTIDETECTOR COMPUTED TOMOGRAPHY**

---

*Springer* This atlas presents over 160 illustrations, with 116 in color, and illustrates the capacity of multidetector CT for the analysis of the anatomy of the coronary arteries. The multidetector CT scanner speeds diagnosis and treatment of patients. One of its many uses is to perform CT coronary angiography. Multidetector CT provides clear pictures and takes less time than other non-invasive techniques. The book is written by cardiologists and radiologists.

---

### **ATLAS OF NON-INVASIVE IMAGING IN CARDIAC ANATOMY**

---

*Springer Nature* This atlas provides a detailed visual resource of how sophisticated non-invasive imaging relates to the anatomy observed in a variety of cardiovascular pathologies. It includes investigation of a wide range of defects in numerous cardiac

structures. Mitral valve commissures, atrioventricular septal junction and right ventricular outflow tract plus a wealth of other structures are covered, offering readers a comprehensive integrative experience to understand how anatomic subtleties are revealed by modern imaging modalities. Atlas of Non-Invasive Imaging in Cardiac Anatomy provides a detailed set of visual instructions that is of use to any cardiovascular professional needing to understand the orientation of a patient's imaging. Therefore this is an essential guide for all trainee and practicing cardiologists, cardiac imagers, cardiac surgeons and interventionists.

---

## **CLINICAL ATLAS OF CARDIAC AND AORTIC CT AND MRI**

---

*Springer* 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.

---

## **CT VIRTUAL HYSTEROSALPINGOGRAPHY**

---

*Springer* This book provides a comprehensive review of CT Virtual Hysterosalpingography, a new non-invasive diagnostic technique that allows the evaluation of the entire gynecologic tract in a single study, by combining the benefits of hysterosalpingography (HSG) with multidetector Computed Tomography (CT). The addition of 64-row CT scanners with HSG has significantly improved visualization and assessment of the uterine cavity and fallopian tubes and allows for the diagnosis of polyps, myomas, uterine anomalies and tubal pathology with a high degree of accuracy. CT Virtual Hysterosalpingography is written and edited by the leaders in the field and covers all aspects of the technique, from its origin and technical principles through to descriptions of the normal anatomy and most common pathologies. This will be an essential text for Gynecologists, Infertility Specialists, Radiologists and Reproductive Endocrinologists who would want to learn about this technique and how it can be implemented in their practice.

---

## **CARDIOVASCULAR COMPUTED TOMOGRAPHY**

---

*Oxford University Press, USA* Recent years have seen a marked increase in cardiovascular computed tomography (CT) imaging, with the technique now integrated into many imaging guidelines, such as those published by ESC and NICE. Rapid clinical and technological progress has created a need for guidance on the practical aspects of CT image acquisition, analysis and interpretation. The Oxford

Specialist Handbook of Cardiovascular CT, now revised for the second edition by practising international experts with many years of hands-on experience, is designed to fulfil this need. The Handbook is a practical guide on performing, analysing and interpreting cardiovascular CT scans, covering all aspects from patient safety to optimal image acquisition to differential diagnoses of tricky images. It takes an international approach to both accreditation and certification, highlighting British, European, and American examinations and courses. The format is designed to be accessible and is laid out in easy to navigate sections. It is meant as a quick-reference guide, to live near the CT scanner, workstation, or on the office shelf. The Handbook is aimed at all cardiovascular CT users (Cardiologists, Radiologists and Radiographers), particularly those new to cardiovascular CT, although even the advanced user should find useful tips and tricks within.

---

## **ESSENTIAL ATLAS OF CARDIOVASCULAR DISEASE**

---

*Current Medicine Group* The Essential Atlas of Cardiovascular Disease takes a comprehensive look at all pertinent areas of cardiovascular disease. This four-color atlas includes detailed legends and extensive reference listings for hundreds of illustrations, algorithms, schematics, and images. Topics covered include atherosclerosis, vascular disease, heart failure, cardiomyopathy, arrhythmias, hypertension, valvular disease, interventional cardiology, nuclear cardiology, cardiovascular imaging (echocardiography, computed tomography, and magnetic resonance), and many others. Supported by Brigham and Women's Hospital, this atlas is an invaluable resource for primary care physicians, cardiologists, and all professionals involved in the study and treatment of cardiovascular disease.

---

## **CARDIAC CT IMAGING**

---

---

### **DIAGNOSIS OF CARDIOVASCULAR DISEASE**

---

*Springer Science & Business Media* 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.

---

## **PRACTICAL TEXTBOOK OF CARDIAC CT AND MRI**

---

*Springer* 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.

---

### **ATLAS OF NUCLEAR CARDIOLOGY: IMAGING COMPANION TO BRAUNWALD'S HEART DISEASE E-BOOK**

---

*Elsevier Health Sciences Atlas of Nuclear Cardiology, an Imaging Companion to Braunwald's Heart Disease, offers the practical, case-based guidance both cardiologists and radiologists need to make optimal use of nuclear imaging techniques in the evaluation of cardiovascular function. Drs. Ami E. Iskandrian and Ernest V. Garcia discuss hot topics including PET and PET-CT, SPECT and gated SPECT, myocardial perfusion imaging, equilibrium radionuclide angiography, and equilibrium radionuclide angiography in a consistent, clearly illustrated format. The fully searchable text is also online at [www.expertconsult.com](http://www.expertconsult.com) - supplemented with an image and video library - making this an ideal resource for mastering nuclear cardiology. Access the fully searchable contents online at [www.expertconsult.com](http://www.expertconsult.com), along with a moving image library that demonstrates myocardial perfusion imaging, myocardial tracers, PET, PET-CT, and gated SPECT. Stay current on recent developments in nuclear cardiac imaging such as equilibrium radionuclide angiography (ERNA) and first-pass radionuclide angiography (FPRNA). Master the application of techniques to specific clinical situations with detailed case studies and discussions of challenging issues. Gain a clear visual understanding from numerous, high-quality images in full color. Find information quickly and easily thanks to a practical, consistent format throughout the text.*

---

### **COLOR ATLAS AND SYNOPSIS OF CARDIOVASCULAR MR AND CT (SET 2)**

---

*McGraw Hill Professional Interpret, Diagnose, and Treat with this Case-Based Atlas of Cardiac Images INCLUDES DVD WITH VIDEO SEGMENTS OF ABNORMAL READINGS Color Atlas and Synopsis of Cardiovascular MR & CT does more than help you interpret cardiac and vascular CT and MR images - it also provides valuable guidance on the diagnosis and management of patients undergoing those tests. Presented in a concise, easy-to-read design that is perfect for busy clinicians, the book features a comprehensive collection of more than 360 cardiac images and includes coverage of normal anatomy, radiographic anatomy, indications, contraindications, interpretations, and patient management. To add real-world clinical relevance, each topic includes case scenarios keyed to state-of-the-art*

illustrations. Many chapters open with a concise yet informative introduction, and each chapter concludes with references for further study. *Color Atlas and Synopsis of Cardiovascular MR & CT* opens with informative chapters on the fundamentals of cardiovascular magnetic resonance and the basics of coronary and cardiovascular computed tomography. Topics include: Ischemic Myocardial Disease Coronary Artery Disease Acquired Nonischemic Myocardial Disease Genetic Myocardial Disease Cardiovascular Magnetic Resonance in Valvular Heart Disease The Aorta Congenital Heart Disease Cardiac Masses Pericardial Disease Pulmonary Hypertension

---

## **MAYO CLINIC CARDIOLOGY**

---

### **CONCISE TEXTBOOK**

---

*Oxford University Press* Organized to present a comprehensive overview of the field of cardiology in an accessible, reader-friendly format that can be covered in about 12 months, this new edition contains roughly 50% new material, the cardiac pharmacology section has been completely reworked, cardiovascular trials have been included, and the entire book has been updated to reflect current practice guidelines and recent developments. The book is peppered throughout with numerous tables and clinical pearls that aid the student, as well as the teacher, to remain focused.

---

## **CARDIAC IMAGING**

---

### **A MULTIMODALITY APPROACH**

---

*Thieme* 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.

---

## **AN ATLAS AND MANUAL OF CORONARY INTRAVASCULAR ULTRASOUND IMAGING**

---

*CRC Press* Intravascular ultrasound (IVUS) is an imaging technique used during coronary angiography. This book provides a systematic introduction to coronary imaging with (IVUS). It is divided into two integrated and extensively cross-referenced parts, the Atlas and the Manual. The Manual describes the rationale, method, and interpretation of IVUS imaging for

## **ATLAS OF SMALL ANIMAL CT AND MRI**

---

*John Wiley & Sons* Atlas of Small Animal CT & MRI is a highly illustrated diagnostic imaging guide to common clinical disorders of dogs and cats. Contains over 3,000 high quality CT, MRI and related diagnostic images Offers a unique approach emphasizing comparative imaging and pathologic correlation Focuses on important imaging features relevant to imaging diagnosis of disease in dogs and cats Written by internationally renowned experts in the field

## **CORONARY ARTERY CTA**

---

### **A CASE-BASED ATLAS**

---

*Springer* The second edition of this important work provides a broad range of cardiac CT angiography (CCTA) cases covering normal anatomy, congenital coronary anomalies, coronary artery disease, percutaneous coronary intervention, postsurgical coronary revascularization, and extra-coronary abnormalities. It is designed to help practicing radiologists, cardiologists, and cardiothoracic surgeons understand the current issues involved with clinical, interventional, and surgical management of coronary artery CTA. Each case consists of detailed CCTA images, a brief history, diagnosis, discussion, and pearls and pitfalls. This updated and expanded edition includes new chapters on principles of cardiac CT, patient preparation, cardiomyopathies, pediatric cardiac CT, cardiac CT in the emergency department, CT-FFR, and reporting cardiac CT.

## **ATLAS OF NON-INVASIVE CORONARY ANGIOGRAPHY BY MULTIDETECTOR COMPUTED TOMOGRAPHY**

---

*Springer Science & Business Media* This atlas presents over 160 illustrations, with 116 in color, and illustrates the capacity of multidetector CT for the analysis of the anatomy of the coronary arteries. The multidetector CT scanner speeds diagnosis and treatment of patients. One of its many uses is to perform CT coronary angiography. Multidetector CT provides clear pictures and takes less time than other non-invasive techniques. The book is written by cardiologists and radiologists.

## **VETERINARY COMPUTED TOMOGRAPHY**

---

*John Wiley & Sons* This practical and highly illustrated guide is an essential resource for veterinarians seeking to improve their understanding and use of computed tomography (CT) in practice. It provides a thorough grounding in CT technology.

describing the underlying physical principles as well as the different types of scanners. The book also includes principles of CT examination such as guidance on positioning and how to achieve a good image quality. Written by specialists from twelve countries, this book offers a broad range of expertise in veterinary computed tomography, and is the first book to describe the technology, methodology, interpretation principles and CT features of different diseases for most species treated in veterinary practice. Key features • An essential guide for veterinarians using CT in practice • Includes basic principles of CT as well as guidelines on how to carry out an effective examination • Describes CT features of different diseases for most species treated in practice • Written by a range of international leaders in the field • Illustrated with high quality photographs and diagrams throughout

---

## **CT CORONARY ANGIOGRAPHY**

---

### **AN ATLAS OF INVESTIGATION AND DIAGNOSIS**

---

*Clinical Pub Serv* Computed tomography (CT) is seen increasingly to play a pivotal role in cardiovascular imaging, although a relatively new imaging technique compared to traditional methods of angiography. The flexibility, availability and clinical robustness of CT allows a comprehensive assessment of the patient's vasculature that can be matched only by more risky invasive procedures. The concept applies to all vascular regions of the human body, but, in particular, cardiac CT angiography is viewed as the potential modality of choice for primary cardiovascular risk stratification. This book presents the reader with a thorough grounding in the basics of cardiac CT, with particular reference to coronary artery disease. It is primarily a practical guide, reviewing basic techniques, optimization, data handling and reporting. The atlas is grounded firmly in a clinical context, comprehensively illustrated throughout and using detailed case studies to demonstrate the role of cardiac CT in a wide variety of clinical settings. This atlas is an essential reference for the hospital radiology department and for the trainee.

---

## **THE ATLAS OF HEART DISEASE AND STROKE**

---

*World Health Organization* Heart disease and strokes are currently the leading cause of death in all developed countries and in most developing countries, resulting in one third of all deaths globally in 2003. This publication explores a range of issues relating to this increasingly urgent global health problem using text, colour charts, maps and graphics. Topics covered include: different types of cardiovascular diseases, including rheumatic heart disease; key risk factors including smoking, obesity, physical inactivity, high cholesterol levels and diabetes; risks factors relating to women, childhood and youth; the global burden of coronary heart disease and stroke, and associated economic costs; medical research and funding issues; prevention in personal and public health terms; treatment options; health education; national policies and legislation to address prevention and control; future predictions; chronology of key developments in knowledge of cardiovascular disease; and world data tables.

---

## IAEA ATLAS OF CARDIAC PET/CT

---

### A CASE-STUDY APPROACH

---

*Springer Nature* This open access book presents a wide portfolio of examples of positron emission tomography coupled with computer tomography (PET/CT) studies in various cardiac conditions in order to provide a rationale for the implementation of this technology in an array of clinical conditions. Cardiovascular diseases are a major contributor to premature morbidity and mortality worldwide. Low- and middle-income countries (LMICs) are particularly affected by cardiovascular diseases (CVDs), with more than 75% of all CVDs deaths occurring in these countries. For this reason, target 3.4 of the United Nations (UN) Sustainable Development Goals (SDGs) agenda aims at a 30% reduction in premature mortality due to non-communicable diseases (NCDs), which include CVDs, by 2030. Among CVDs, ischemic heart disease (IHD) plays an important role and, according to the Institute for Health Metrics and Evaluation (IHME), it was responsible for 15.96% of global deaths in 2017. Between 2000 and 2017, the number of IHD deaths worldwide increased by 0.26% per year. Several imaging tools help to non-invasively diagnose, stratify risk and guide management in cardiac disease. They include nuclear cardiology techniques, using either SPECT (single photon emission computed tomography) or PET/CT. While myocardial imaging with SPECT has been fully embraced by the cardiology community and is widely available worldwide, PET/CT introduction has been slower, due not only to its higher costs, but also to the limited availability of PET/VCT scanners, mostly utilized for oncological applications. This book is an invaluable tool for nuclear medicine physicians, cardiologists and radiologists.

---

## ATLAS OF CARDIAC CATHETERIZATION FOR CONGENITAL HEART DISEASE

---

*Springer* 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.

---

## EMBEC & NBC 2017

---

## JOINT CONFERENCE OF THE EUROPEAN MEDICAL AND BIOLOGICAL

---

## **ENGINEERING CONFERENCE (EMBEC) AND THE NORDIC-BALTIC CONFERENCE ON BIOMEDICAL ENGINEERING AND MEDICAL PHYSICS (NBC), TAMPERE, FINLAND, JUNE 2017**

---

*Springer* This volume presents the proceedings of the joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), held in Tampere, Finland, in June 2017. The proceedings present all traditional biomedical engineering areas, but also highlight new emerging fields, such as tissue engineering, bioinformatics, biosensing, neurotechnology, additive manufacturing technologies for medicine and biology, and bioimaging, to name a few. Moreover, it emphasizes the role of education, translational research, and commercialization.

---

### **IVUS MADE EASY**

---

*CRC Press* Intravascular ultrasound (IVUS) is a tomographic imaging modality performed during coronary angiography that allows the simultaneous assessment of lumen, vessel wall, and atherosclerotic plaque. IVUS has been established as the method of choice for the detection and serial observation of transplant vasculopathy, and more recently, for the serial observation of atherosclerotic plaque burden in atherosclerosis progression/regression trials. When performed by an operator familiar with interventional, percutaneous techniques, the rate of complications during IVUS imaging is exceedingly low. *IVUS Made Easy* provides an introduction to coronary imaging with intravascular ultrasound (IVUS). It consists of a brief, practical text and corresponding illustrated IVUS images. The format is uniform throughout, with a non-illustrated IVUS image displayed together with an illustrated copy. Based on the previously published *An Atlas and Manual of Coronary Intravascular Ultrasound Imaging*, this guide provides expanded descriptions of the practical aspects of IVUS and includes additional information in short case presentations. The book begins with the principle of IVUS imaging. It discusses normal arterial anatomy by IVUS, image artifacts and IVUS measurements. It then discusses plaque (atheroma) morphology and clinical applications. Case studies include: Coronary arteritis Angiographically indeterminate lesion Indeterminate lesion: plaque rupture Intedeterminate lesion after angioplasty Intracoronary thrombus (2 cases) Complications of IVUS: dissection Chronic coronary arterial wall dissection behind stent Intramural hematoma post-PCI Serial IVUS: regression

---

### **STRUCTURAL HEART CASES E-BOOK**

---

### **A COLOR ATLAS OF PEARLS AND PITFALLS**

---

*Elsevier Health Sciences* Using a practical, case-based format, this superbly illustrated atlas by Dr. Paul Sorajja is a comprehensive collection of more than 130 professional experiences in treating structural heart disease. Organized by pathology, each case presents key clinical points for practitioners at all levels, from beginner to expert. Cases are provided by interventionalists and surgeons with extensive hands-on experience, and edited by experts in the field Includes more than 130 cases covering the full range of structural procedures formitral valve

disease, aortic valve disease, prosthetic valve disease, congenital heart disease, hypertrophic cardiomyopathy, and tricuspid disease. Features more than 500 detailed instructional images for quick visual comprehension of essential aspects of each case. Each case includes clinical information, diagnostic images, bulleted learning points, and explanations and rationales for every step of the procedure. Covers catheter-based therapy for structural heart disease - an increasingly important and rapidly growing therapy for valvular heart disease. Provides operator pitfalls and errors to help optimize success with each procedure. Allows practitioners at all levels of experience to explore, gain insight, and learn important keys for success.

---

## **PRACTICAL ATLAS OF COMPUTED TOMOGRAPHY**

---

*JP Medical Ltd* A systematic approach to Computed Tomographic imaging, this book contains normal anatomy, diverse pathologies and cross sectional anatomy to allow the specialist radiologist in practice or training to interpret and diagnose. The book is organised by body system and includes normal anatomy and a wide range of pathologies. Each clearly labelled image is accompanied by a reference image plane to allow ease of interpretation. Self assessment tools are also included.

---

## **ANATOMY FOR CARDIAC ELECTROPHYSIOLOGISTS: A PRACTICAL HANDBOOK**

---

### **A PRACTICAL HANDBOOK**

---

*Cardiotext Publishing* This highly visual handbook integrates cardiac anatomy and the state-of-the-art imaging techniques used in today's catheter or electrophysiology laboratory, guiding readers to a comprehensive understanding of both normal cardiac anatomy and the structures associated with complex heart disease. Well organized, easily navigable, and superbly illustrated in a landscape format, this unique text invites the reader on a visual intracardiac journey via stunning images and schematic illustrations, including such imaging modalities as computed tomography, magnetic resonance imaging, ultrasound, radiogra.

---

## **COMPUTED TOMOGRAPHY FOR TECHNOLOGISTS**

---

### **EXAM REVIEW**

---

*Lippincott Williams & Wilkins* Leveraging the organization and focus on exam preparation found in the comprehensive text, this Exam Review will help any student to successfully complete the ARRT General Radiography and Computed Tomography exams. The book includes a bulleted format review of content, Registry-style questions with answers and rationales, and a mock exam following the ARRT format. The companion website offers an online testing simulation engine.

---

## **ATLAS OF CARDIAC CATHETERIZATION AND INTERVENTIONAL CARDIOLOGY**

---

*Lippincott Williams & Wilkins* Publisher's Note: Products purchased from 3rd Party

sellers are not guaranteed by the Publisher for quality, authenticity, or access to any online entitlements included with the product. Comprehensive, current, and lavishly illustrated, *Atlas of Interventional Cardiology* thoroughly covers all of today's cardiac catheterization and coronary interventional procedures, including catheterization and stenting techniques, angiography, atherectomy, thrombectomy, and more. Full-color illustrations and procedural videos guide you step by step through every interventional procedure you're likely to perform.

---

## **CORONARY ARTERY STENOSIS**

---

*Elsevier Publishing Company* Incorporating 20 years of clinical, physiologic and technological research, this book develops the scientific basis for new approaches to the diagnosis and management of symptomatic and asymptomatic coronary atherosclerosis.

---

## **MULTIMODAL IMAGING ATLAS OF CARDIAC MASSES - E-BOOK**

---

*Elsevier Health Sciences* Covering a broad range of topics with side-by-side radiographic images, *Multimodal Imaging Atlas of Cardiac Masses* provides basic-to-advanced clinical tips on the use, clinical applications, and interpretation of cardiac imaging for cardiac masses. Written by a team of international experts in cardiac imaging, cardiac pathology, and cardiac surgery, this title features separate chapters on imaging modalities, anatomic pitfalls, cardiac thrombus, benign tumors, infectious lesions, and malignant tumors. This practical title is an essential guide for cardiologists, interventional cardiologists, cardiac surgeons, radiologists, and others to recognize the typical features of these uncommon conditions and to formulate team-based treatment plans for these complex patients. Covers multimodal cardiac imaging depicting all types of cardiac masses. Includes anatomic pitfalls, artifacts, differential diagnoses, and metastasis. Features 600 figures and 100 video clips of cardiac imaging, including echocardiography, CT, CMR, and PET, with photos of histopathologic findings and masses after surgery. Includes important clinical points on interpretation and differentiation of benign tumors, malignant tumors, and artifacts.

---

## **ATLAS OF CT ANGIOGRAPHY**

---

---

### **NORMAL AND PATHOLOGIC FINDINGS**

---

*Springer* This atlas presents normal and pathologic findings observed on CT angiography with 3D reconstruction in a diverse range of clinical applications, including the imaging of cerebral, carotid, thoracic, coronary, abdominal and peripheral vessels. The superb illustrations display the excellent anatomic detail obtained with CT angiography and depict the precise location of affected structures and lesion severity. Careful comparisons between normal imaging features and pathologic appearances will assist the reader in image interpretation and treatment planning and the described cases include some very rare pathologies. In addition, the technical principles of the modality are clearly explained and guidance provided on imaging protocols. This atlas will be of value both to those in training and to more

experienced practitioners within not only radiology but also cardiovascular surgery, neurosurgery, cardiology and neurology.

---

## **PERINATAL CARDIOLOGY: A MULTIDISCIPLINARY APPROACH**

---

*Cardiotext Publishing* 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

---

## **STATISTICAL ATLASES AND COMPUTATIONAL MODELS OF THE HEART. ACDC AND MMWHS CHALLENGES**

---



---

### **8TH INTERNATIONAL WORKSHOP, STACOM 2017, HELD IN CONJUNCTION WITH MICCAI 2017, QUEBEC CITY, CANADA, SEPTEMBER 10-14, 2017, REVISED SELECTED PAPERS**

---

*Springer* This book constitutes the thoroughly refereed post-workshop proceedings of the 8th International Workshop on Statistical Atlases and Computational Models of the Heart: ACDC and MMWHS Challenges 2017, held in conjunction with MICCAI 2017, in Quebec, Canada, in September 2017. The 27 revised full workshop papers were carefully reviewed and selected from 35 submissions. The papers cover a wide range of topics computational imaging and modelling of the heart, as well as statistical cardiac atlases. The topics of the workshop included: cardiac imaging and image processing, atlas construction, statistical modelling of cardiac function across

different patient populations, cardiac computational physiology, model customization, atlas based functional analysis, ontological schemata for data and results, integrated functional and structural analyses, as well as the pre-clinical and clinical applicability of these methods. Besides regular contributing papers, additional efforts of STACOM workshop were also focused on two challenges: ACDC and MM-WHS.

---

## **ESSENTIAL ATLAS OF CARDIOVASCULAR DISEASE**

---

*Current Medicine Group* The Essential Atlas of Cardiovascular Disease takes a comprehensive look at all pertinent areas of cardiovascular disease. This four-color atlas includes detailed legends and extensive reference listings for hundreds of illustrations, algorithms, schematics, and images. Topics covered include atherosclerosis, vascular disease, heart failure, cardiomyopathy, arrhythmias, hypertension, valvular disease, interventional cardiology, nuclear cardiology, cardiovascular imaging (echocardiography, computed tomography, and magnetic resonance), and many others. Supported by Brigham and Women's Hospital, this atlas is an invaluable resource for primary care physicians, cardiologists, and all professionals involved in the study and treatment of cardiovascular disease.