Problem Solving In Radiology Cardiovascular Imaging

This easy-to-use, clinically oriented learning guide presents 115 unique cases that cover the scope of cardiac imaging. Given the standard format of problem and solution, each case is structured for effective review and learning for both the resident-in-training and the experienced clinician. Featuring over 440 images and accompanied by brief yet informative discussions, Cardiac Imaging Cases is the ideal resource and reference guide for anyone in the field of cardiovascular radiology.

Image Processing for Automated Diagnosis of Cardiac Diseases highlights current and emerging technologies for the automated diagnosis of cardiac diseases. It presents concepts and practical algorithms, including techniques for the automated diagnosis of organs in motion using image processing. This book is suitable for biomedical engineering researchers, engineers and scientists in research and development, and clinicians who want to learn more about and develop advanced concepts in image processing to overcome the challenges of automated diagnosis of heart disease. Includes advanced techniques to improve diagnostic methods for various cardiac diseases Uses methods to improve the existing diagnostic features of echocardiographic machines Develops new diagnostic features for echocardiographic machines

From basic clinical facts to new advanced guidelines, Practical Cardiology, by Drs. Majid Maleki, Azin Alizadehasl, and Majid Haghjoo, is your new go-to resource for new developments in cardiology knowledge, imaging modalities, management techniques, and more. This step-by-step, practical reference is packed with tips and guidance ideal for residents, fellows, and clinicians in cardiology, as well as internal medicine, cardiac surgery, interventional cardiology, and pediatric cardiology. Features a wealth of information, including practical points from recently published guidelines, ECGs, hemodynamic traces of advanced imaging modalities in real patients, and much more. Offers a comprehensive review of cardiovascular medicine, from basic to advanced.

Optimize diagnostic accuracy with Cardiovascular Imaging, a title in the popular Problem Solving in Radiology series. Drs. Suhny Abbara and Sanjeeva Kalva use a problem-based approach to help you make optimal use of the latest cardiovascular imaging techniques and achieve confident diagnoses. Consult this title on your favorite e-reader with intuitive search tools and adjustable font sizes. Elsevier eBooks provide instant portable access to your entire library, no matter what device you're using or where you're located. Make the most effective use of today's imaging techniques, including PET and SPECT. Perform effective interventions using the newest grafts, stents, and coils. See conditions as they appear in practice with more than 2,350 images detailing anatomy, normal anatomic variants, and pathology. Make optimal clinical choices and avoid complications with expert protocols and tricks of the trade. Avoid common problems that can lead to an incorrect diagnosis. Tables and boxes with tips, pitfalls, and other teaching points show you what to look for, while problem-solving advice helps you make sound clinical decisions. Quickly find the information you need thanks to a well-organized, user-friendly format with consistent headings, detailed illustrations, and at-a-glance tables.

Grainger & Allison's Diagnostic Radiology E-Book

Diagnostic Radiology Physics with MATLAB®

Diagnostic Imaging and Interventional Techniques

A Problem-Solving Approach

Physical Principles to Practical Protocols

This issue of Radiologic Clinics of North America focuses on Cardiac CT Imaging, and is edited by Drs. Suhny Abbara and Prabhakar Rajiah. Articles will include: Calcium scoring for cardiovascular CT: how, when and why?; Coronary CTA: acquisition, interpretation and state of the evidence; TAVR and TCMVR; Cardiac masses; Nonischemic cardiomyopathies; Acute and chronic myocardial infarcts, spectrum of manifestations; Pericardial disease; Relevant Adult Congenital Heart Disease; Congenital aortic disease; Cardiac Valves (excluding TAVR); Acute coronary and acute aortic syndromes; Acquired aortic disease (excluding acute aortic syndromes); Cardiac Trauma; Post Cardiovascular surgery findings; and more!
Each issue includes separate but continuously paged sections called: Nuclear medicine, and: Ultrasound

Cardiac Problems in Pregnancy offers clinicians the most detailed and comprehensive guide to diagnosing and managing pregnancy-associated cardiovascular diseases currently available. Covering a wide spectrum of congenital and acquired cardiovascular conditions, its extensive contents examine diseases of the heart with an expert awareness of the implications of pregnancy and the attendant physiological changes it brings. Such guidance is vitally required in an age in which congenital and acquired heart diseases are the leading causes of non-obstetrical maternal morbidity and mortality. Featuring 36 new or extensively revised chapters, this fourth edition of the book complements coverage of the latest research and clinical advances with a complete and up-to-date bibliography of literature on pregnancy in women with cardiovascular conditions. It also serves as a practical, step-by-step companion for those caring for heart disease patients during pregnancy, labor, and the post-partum period. Contents include: Coverage of all elements of maternal cardiology Newly written chapters featuring fresh research and data Guidance on performing risk assessments and interventions both prior to and during gestation Explanations of a range of diagnostic and therapeutic approaches to cardiovascular disease in pregnant patients Drawing on expertise from across the fields of cardiovascular medicine, obstetrics, anesthesiology, cardiac surgery, pharmacology, and clinical science, Cardiac Problems in Pregnancy is designed to give invaluable support to all medical professionals involved in maximizing the safety and success of cardiologically complex pregnancies.

For more than 30 years, The Secrets Series® has provided students and practitioners in all areas of health care with concise, focused, and engaging resources for quick reference and exam review. Cardiology Secrets, 5th Edition, features the Secrets popular question-and-answer format that also includes lists, tables, and an easy-to-read style making reference and review quick, easy, and enjoyable. The Secrets Series® format gives you the most return for your time concise, easy to read, engaging, and highly effective now with an improved organization that makes information even easier than ever to find. Written by global experts and thought leaders in cardiovascular disease. Top 100 Secrets and Key Points boxes provide a fast overview of the secrets you must know for success in practice. New dedicated sections on peripheral vascular and cerebrovascular disease, venous thromboembolic disease, and specific populations and conditions, plus a dedicated chapter on new direct oral anticoagulant agents. New chapters added on hypercoagulability states, specific valvular lesions, sleep apnea and the heart, heart disease in women, cardio-oncology, cardiac arrest, transcatheter aortic valve replacement (TAVR), carotid artery disease, and hemorrhagic stroke. Several hundred illustrations, figures, and flow diagrams 100+ are new!

Problem Solving in Emergency Radiology E-Book

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Problem Solving in Chest Imaging

Cardiovascular Medicine and Surgery

With the many options available in imaging technology, a key decision for the cardiovascular practitioner is to evaluate the alternatives available among these techniques and decide what is clinically appropriate and cost-effective in a given situation. Multimodality Imaging in Cardiovascular Medicine presents a clear and in depth review of the available technologies and evidence supporting their appropriate clinical applications. Hundreds of outstanding images are included to support and augment the discussions from leading experts in each modality. for maximum clinical value, rather than org

Grundlæggende lærebog om CT og MRI og disses anvendelse iforbindelse med undersøgelser af kroppens organer. Først beskrives principperne bag CT-teknik og MRI, og derefter gennemgåes undersøgelser af kroppens organer systematisk. Bogen beskriver både normale og abnorme fund med tekst og billeder og giver instruktioner i, hvorledes man optimerer billedkvalitet, -analyse, og -fortolkninger, samt undgår de mest almindelige fejlfortolkninger.

Emergency Radiology presents a comprehensive review of emergency pathologies commonly encountered by practicing radiologists and residents in training. The first five sections are organized by organ system and include Head, Neck, Face, and Spine, Chest, Abdominal, Pelvic, and Bone emergencies, followed by chapters on Pediatric and Nuclear Medicine emergencies and special topics in emergency imaging. Part of the Rotations in Radiology series, this book offers a guided approach to imaging diagnosis with examples of all imaging modalities complimented by the basics of interpretation and technique and the nuances necessary to arrive at the best diagnosis. Each pathology is covered with a targeted discussion that reviews the definition, clinical features, anatomy and physiology, imaging techniques, differential diagnosis, clinical issues, key points, and further reading. This organization is ideal for trainees' use during specific rotations and for exam review, or as a quick refresher for the established emergency imager.

This new edition is a complete guide to diagnostic imaging of the chest and cardiovascular system. Beginning with an overview of chest radiology, techniques and anatomy, the following sections discuss imaging for different pulmonary diseases. The second part of the book covers diagnostic imaging for cardiovascular disorders and includes a chapter on children with congenital heart disease. The fourth edition has been fully revised to provide radiologists with the latest information in their field, and includes new chapters on basic patterns of lung disease on CT, and miscellaneous interstitial lung diseases such as acute respiratory distress syndrome, lipoid pneumonia, and emphysema. The comprehensive text features discussion on the increasing use of image-guided interventions, and is further enhanced by radiological images and tables. Key points Fourth edition presenting latest advances in diagnostic imaging for pulmonary and cardiovascular disorders Fully revised text with new topics added Highly illustrated with radiological images and tables Previous edition (9788184488685) published in 2010

Pulmonary and Cardiovascular Radiology

Learning Radiology

Cardiac CT Imaging, An Issue of Radiologic Clinics of North America, Ebook

Diagnostic Radiology: Chest and Cardiovascular Imaging

Effectively apply the latest techniques and approaches with complete updates throughout including 4 new sections (Abdominal Imaging, The Spine, Oncological Imaging, and Interventional Radiology) and 28 brand new chapters. Gain the fresh perspective of two new editors—Jonathan Gillard and Cornelia Schaefer-Prokop -- eight new section editors -- Michael Maher, Andrew Grainger, Philip O'Connor, Rolf Jager, Vicky Goh, Catherine Owens, Anna Maria Belli, Michael Lee -- and 135 new contributors. Stay current with the latest developments in imaging techniques such as CT, MR, ultrasound, and coverage of hot topics such as: Image guided biopsy and ablation techniques and Functional and molecular imaging. Solve even your toughest diagnostic challenges with guidance from nearly 4,000 outstanding illustrations. Quickly grasp the fundamentals you need to know through a more concise, streamlined format.

An authoritative, comprehensive, and accessible cardiology textbook that caters to the needs of trainees and practicing cardiologists. Cardiovascular disease is now the largest contributor to global mortality. Low and middle income countries. (Lmics) presently bear the brunt of this global epidemic, accounting for over three quarters of cardiovascular deaths and 90% of these deaths under 70 years of age. The experience and expertise of health professionals in these countries will therefore be the principal determinant of global success in countering and curbing the global cardiovascular epidemic in the coming decades. This book covers the fundamentals of cardiology in depth, to provide conceptual clarity, and delves into specific cardiovascular disorders with detailed descriptions that range from aetiology and pathophysiology to evidence informed approaches to diagnosis and management. It does all of this by blending contextual relevance with uncompromising academic rigor.

Imaging modalities in radiology produce ever-increasing amounts of data which need to be displayed, optimized, analyzed and archived: a "big data" as well as an "image processing" problem. Computer programming skills are rarely emphasized during the education and training of medical physicists, meaning that many individuals enter the workplace without the ability to efficiently solve many real-world clinical problems. This book provides a foundation for the teaching and learning of programming for medical physicists and other professions in the field of Radiology and offers valuable content for novices and more experienced readers alike. It focuses on providing readers with practical skills on how to implement MATLAB® as an everyday tool, rather than on solving academic and abstract physics problems. Further, it recognizes that MATLAB is only one tool in a medical physicist's toolkit and shows how it can be used as the "glue" to integrate other software and processes together. Yet, with great power comes great responsibility. The pitfalls to deploying your own software in a clinical environment are also clearly explained. This book is an ideal companion for all medical physicists and medical professionals looking to learn how to utilize MATLAB in their work. Features Encompasses a wide range of medical physics applications in diagnostic and interventional radiology Advances the skill of the reader by taking them through real-world practical examples and solutions with access to an online resource of example code The diverse examples of varying difficulty make the book suitable for readers from a variety of backgrounds and with different levels of programming experience.

Written by internationally renowned experts, this is a collection of chapters dealing with imaging diagnosis and interventional therapies in abdominal and pelvic disease. The different topics are disease-oriented and encompass all the relevant imaging modalities including X-ray technology, nuclear medicine, ultrasound and magnetic resonance, as well as image-guided interventional techniques.

Problem Solving in Radiology: Cardiovascular Imaging E-Book

Problem Solving in Chest Imaging E-Book

Computed Body Tomography with MRI Correlation

Cardiac Imaging: The Requisites E-Book

Basic Radiology, Second Edition

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.

Written by clinicians, for clinicians, Cardiovascular Medicine and Surgery offers a comprehensive, authoritative, and multidisciplinary approach to this rapidly evolving field. Covering every area relevant to the daily practice of cardiovascular medicine, this new and innovative reference text, led by Drs. Debabrata Mukherjee and Richard A. Lange, brings together a stellar team of cardiovascular specialists from leading medical centers worldwide who focus on cutting-edge strategies for the clinical and surgical management of patients. Both medicine and surgery are highlighted in chapters along with follow-up care and changing technology to equip the clinician for optimal patient care. Highly structured and templated chapters cover pathogenesis, diagnosis, management, special considerations/limitations, follow-up care, and on-going and future research.

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 d- play 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 ava- able textbooks on CMR is that while they often have superb illustrations of abnormal findings, these images have been preselected.

Preceded by Cardiac imaging / Stephen Wilmot Miller, Lawrence M. Boxt, Suhny Abbara. 3rd ed. c2009.

Emergency Radiology

Multimodal Imaging Atlas of Cardiac Masses - E-Book

Grainger & Allison's Diagnostic Radiology: Chest and Cardiovascular System

Cardiac Imaging Cases

Practical Cardiology

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 imagers are faced with the challenge of interpreting cases that include artifacts, unusual findings, or anatomic variants on an almost daily basis. These studies can result in confusion and may lead to misdiagnosis even for the most experienced imager. This book provides an approachable reference for practising cardiovascular imagers to aid with both commonly and uncommonly encountered entities that can result in inappropriate patient management. Through the focused use of case examples, this book reviews 100 conditions that can be seen in clinical practice, including pseudotumors, artifacts, anatomic variants, mimics, and unusual diagnoses. Each highly illustrated case follows a standard format, allowing readers to learn from real-life examples and provides an accessible and rapid source of reference for the improved interpretation of cardiovascular imaging and enhanced patient care. This text will be invaluable to radiologists, cardiologists, and trainees.

Comprehensive guide to vascular imaging and endovascular interventions. Covers diagnosis and treatment of numerous vascular disorders. Internationally recognised author team.

This book provides an up-to-date, systematic review of all facets of emergency radiology in patients with chest trauma or pain with the aim of equipping the reader with a detailed knowledge of the various radiological patterns, which is essential in order to make a prompt diagnosis under circumstances when time is of critical importance. To this end, the indications, value, and results of the various emergency imaging modalities, including sonography and interventional radiology, are described and illustrated in the full range of blunt chest injuries and nontraumatic chest emergencies. Technological aspects, protocols tailored to the mechanism of injury, and post-processing techniques are also extensively covered. Emergency Radiology of the Chest and Cardiovascular System will be of value to general and interventional radiologists, radiology residents, radiology technicians, and all physicians and surgeons who work in emergency care.

Recognizing the Basics

Multimodality Imaging in Cardiovascular Medicine

Emergency Radiology of the Chest and Cardiovascular System

Expert Consult - Online and Print

Cardiac Problems in Pregnancy

Master the information you need to know for practice and prepare for certification or recertification with a succinct, comprehensive account of the entire spectrum of imaging modalities and their clinical applications. Throughout six outstanding editions, Grainger and Allison's Diagnostic Radiology has stood alone as the single comprehensive reference on general diagnostic radiology. Now in two succinct volumes, the 7th Edition of this landmark text continues to provide complete coverage of all currently available imaging techniques and their clinical applications – the essential information you need to succeed in examinations and understand current best practices in radiological diagnosis Organizes content along an organ and systems basis, covering all diagnostic imaging techniques in an integrated, correlative fashion, with a focus on the topics that matter most to a trainee radiologist in the initial years of training. Contains more than 4,000 high-quality illustrations that enhance and clarify the text. Features an expanded section on cardiac imaging to reflect major developments in cardiac MRI, including 3D ultrasound, PET, and SPECT. Integrates functional and molecular imaging

throughout each section, and includes the latest image-guided biopsy and ablation techniques. Provides an ideal resource for written, oral, and re-certifying board study as well as for a clinical practice refresher on topics that may have been forgotten.
The 17 chapters in this book have been selected from the contents of the Chest and Cardiovascular System section in Grainger & Allison's Diagnostic Radiology 6e. These chapters provide a succinct up-to-date overview of current imaging techniques and their clinical applications in daily practice and it is hoped that with this concise format the user will quickly grasp the fundamentals they need to know. Throughout these chapters, the relative merits of different imaging investigations are described, variations are discussed and recent imaging advances are detailed.
Optimize diagnostic accuracy with Cardiovascular Imaging, a title in the popular Problem Solving in Radiology series. Drs. Suhny Abbara and Sanjeeva Kalva use a problem-based approach to help you make optimal use of the latest cardiovascular imaging techniques and achieve confident diagnoses. Make the most effective use of today's imaging techniques, including PET and SPECT. Perform effective interventions using the newest grafts, stents, and coils. See conditions as they appear in practice with more than 2,350 images detailing anatomy, normal anatomic variants, and pathology. Make optimal clinical choices and avoid complications with expert protocols and tricks of the trade. Avoid common problems that can lead to an incorrect diagnosis. Tables and boxes with tips, pitfalls, and other teaching points show you what to look for, while problem-solving advice helps you make sound clinical decisions. Quickly find the information you need thanks to a well-organized, user-friendly format with consistent headings, detailed illustrations, and at-a-glance tables. Access the entire text and illustrations online at www.expertconsult.com.
Optimize diagnostic accuracy with Problem Solving in Chest Imaging, a new volume in the Problem Solving in Radiology series. This concise title offers quick, authoritative guidance from experienced radiologists who focus on the problematic conditions you're likely to see—and how to reach an accurate diagnosis in an efficient manner. Addresses the practical aspects of chest imaging—perfect for practitioners, fellows, and senior level residents who may or may not specialize in chest radiology, but need to use and understand it. Helps you make optimal use of the latest imaging techniques and achieve confident diagnoses. Presents content by organ system and commonly encountered problems, with problem solving techniques integrated throughout. Features more than 1,500 high-quality images that provide a clear picture of what to look for when interpreting studies. Focuses on the core knowledge needed for successful results, covering anatomy, imaging techniques, imaging approach, entities by pathologic disease and anatomic region, and special situations. Key topics include Diffuse Lung Disease, Neoplasms of the Lung and Airways, Interstitial Lung Disease, Smoking-Related Lung Diseases, and Cardiovascular Disease. Shows how to avoid common problems that can lead to an incorrect diagnosis. Tables and boxes with tips, pitfalls, and other teaching points show you what to look for, while problem-solving advice helps you make sound clinical decisions.
Diseases of the Heart, Chest & Breast
Cardiovascular MRI
Cardiac Imaging
Vascular Imaging and Intervention
Tandon's Textbook of Cardiology
Thoracic Imaging, Second Edition, written by two of the world's most respected specialists in thoracic imaging, is the most comprehensive text-reference to address imaging of the heart and lungs. Inside you'll discover the expert guidance required for the accurate radiologic assessment and diagnosis of both congenital and acquired cardiovascular and pulmonary diseases. New topics in this edition include coronary artery CT, myocardial disease, pericardial disease, and CT of ischemic heart disease. This edition has a new full-color design and many full-color images, including PET-CT. A companion website will offer fully searchable text and images.
The updated third edition of this best-selling Radiology RequisitesTM 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.
Issues in Cardiovascular Medicine / 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Blood Pressure. The editors have built Issues in Cardiovascular Medicine: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Blood Pressure in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Cardiovascular Medicine: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.
Issues in Diagnostics and Imaging / 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Diagnostics and Imaging. The editors have built Issues in Diagnostics and Imaging: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Diagnostics and Imaging in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Diagnostics and Imaging: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.
Parallel Imaging in Clinical MR Applications
Grainger & Allison's Diagnostic Radiology, 2 Volume Set E-Book
Cardiology Secrets E-Book
Image Processing for Automated Diagnosis of Cardiac Diseases
Applied Radiology
Problem Solving in Radiology: Cardiovascular ImagingExpert Consult - Online and PrintElsevier Health Sciences
Learning Radiology: Recognizing the Basics, 2nd Edition, is an image-filled, practical, and clinical introduction to this integral part of the diagnostic process. William Herring, MD, a skilled radiology teacher, masterfully covers everything you need to know to effectively interpret medical images. Learn the latest on ultrasound, MRI, CT, and more, in a time-friendly format with brief, bulleted text and abundant high-quality images. Then ensure your mastery of the material with additional online content, bonus images, and self-assessment exercises at www.studentconsult.com. Identify a wide range of common and uncommon conditions based upon their imaging findings. Quickly grasp the fundamentals you need to know through easy-access bulleted text and more than 700 images. Arrive at diagnoses by following a pattern recognition approach, and logically overcome difficult diagnostic challenges with the aid of decision trees. Learn from the best, as Dr. Herring is both a skilled radiology teacher and the host of his own specialty website, www.learningradiology.com. Easily master the fundamental principles of MRI, ultrasound, and CT with new chapters that cover principles of each modality and the recognition of normal and abnormal findings. Know the basics and be more confident when interpreting diagnostic imaging studies
Radiology of the thorax forms an indispensable element of the basic diagnostic process for many conditions and is of key importance in a variety of medical disciplines. This user-friendly book provides an overview of the imaging techniques used in chest radiology and presents numerous instructive case-based images with accompanying explanatory text. A wide range of clinical conditions and circumstances are covered with the aim of enabling the reader to confidently interpret chest images by correctly identifying structures of interest and the causes of abnormalities. This book, which will be an invaluable learning tool, forms part of the Learning Imaging series for medical students, residents, less experienced radiologists, and other medical staff.
A well-illustrated, systems-based primer on learning radiologic imaging Basic Radiology is the easiest and most effective way for medical students, residents, and clinicians not specializing in radiologic imaging to learn the essentials of diagnostic test selection, application, and interpretation. This trusted guide is unmatched in its ability to teach you how to select and request the most appropriate imaging modality for a patient's presenting symptoms and familiarize yourself with the most common diseases that current radiologic imaging can best evaluate. Features: More than 800 high-quality images across all modalities A logical organ-system approach Consistent chapter presentation that includes: ---Recap of recent developments in the radiologic imaging of the organ system discussed ---Description of normal anatomy ---Discussion of the most appropriate imaging technique for evaluating that organ system ---Questions and imaging exercises designed to enhance your understanding of key principles Brief list of suggested readings and general references Timely chapter describing the various diagnostic imaging techniques currently available, including conventional radiography, nuclear medicine, ultrasonography, computed tomography, and magnetic resonance imaging An important chapter providing an overview of the physics of radiation and its related biological effects, ultrasound, and magnetic resonance imaging
The Requisites
A Teaching File Approach
Pearls and Pitfalls in Cardiovascular Imaging
Problem Solving in Radiology: Cardiovascular Imaging
Issues in Cardiovascular Medicine: 2012 Edition
Optimize diagnostic accuracy in the emergency department with Problem Solving in Radiology: Emergency Radiology, a new addition to the popular Problem Solving in Radiology series. Published in association with the American Society of Emergency Radiology, the medical reference book is designed to help experienced radiologists, residents, or emergency medicine practitioners accurately address problematic conditions and reach the most accurate diagnosis. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Access problem-oriented content that helps you quickly and accurately diagnose patients. Focus on the core knowledge needed for successful results with templated, concise chapters containing both traditional and unusual presentations of pathology. Each chapter will include: Typical Presentation; Variants; Mimickers (what looks like this pathology, but isn't); and Pitfalls (how a diagnosis can be missed and how to avoid it). Stay up to date on today's hot topics in radiology, including radiation concerns when using total body CT for trauma assessment; trauma in the pregnant patient; imaging pediatric craniocerebral trauma; and penetrating trauma to the torso and chest.
Get the essential tools you need to make an accurate diagnosis with Cardiac Imaging, 4th Edition! Edited by Lawrence Boxt, MD and Suhny Abbara, MD, this popular volume in The Requisites series concisely delivers the conceptual, factual, and interpretive information you need for effective clinical practice in cardiac imaging. Practice-proven tips and excellent problem-solving discussions are accompanied by over 1000 figures and illustrations of the highest quality. The result is an outstanding review source for certification or recertification, as well as a highly user-friendly resource for everyday clinical practice. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Master core knowledge of all imaging modalities currently being used (plain film, ultrasound, CT, and MR), and discusses potential future developments. Focus on the essentials needed to pass the boards and ensure accurate diagnoses in clinical practice. Clearly visualize the findings you're likely to see in practice and on exams through updated and redrawn illustrations and color images interspersed throughout the text for easier and more intuitive access. Gain new insight into a full range of cardiac imaging approaches and findings with new sections on congenital heart disease, emphasizing MRI and CT diagnostic and functional analysis as well as and updated information on valvular, ischemic, pericardial, myocardial, congenital, and thoracic/aortic heart disease. Benefit from the expertise and fresh perspective of new lead editors, Drs. Lawrence Boxt and Suhny Abbara.
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.
Issues in Diagnostics and Imaging: 2011 Edition
Thoracic Imaging
Cardiovascular MRI in Practice