

Problem Solving In Radiology Cardiovascular Imaging

Problem Solving in Emergency Radiology E-Book Problem Solving in Neuroradiology E-Book Problem Solving in Emergency Radiology Problem Solving in Pediatric Imaging E-Book Solving Problems in Diagnostic Radiology Problem Solving in Cardiovascular Imaging Problem Solving in Chest Imaging E-Book Problem Solving in Abdominal Imaging with CD-ROM Problem Solving in Chest Imaging Audiovisual Aids in Medical Education Breast Imaging Radiological Diagnosis of Breast Diseases Clinical Radiology Atlas of Emergency Imaging from Head-to-Toe Current Practice of Radiology Modern Imaging Evaluation of the Brain, Body and Spine, An Issue of Magnetic Resonance Imaging Clinics Tomosynthesis Imaging An Introduction to the Physics of Diagnostic Radiology Radiology Introduction to Diagnostic Radiology Stuart E. Mirvis Meng Law Stuart E. Mirvis Sarah Sarvis Milla Robert A. Halvorsen Suhny Abbara, MD, FACR, FSCCT Subba R. Digumarthy Neal C. Dalrymple, MD Subba Rao Digumarthy Martha J. Benzer Etta D. Pisano Michael Friedrich Richard H. Daffner Michael N. Patlas James H. Thrall Lara A. Brandao Ingrid Reiser Edward E. Christensen Khaled Elsayes Problem Solving in Emergency Radiology E-Book Problem Solving in Neuroradiology E-Book Problem Solving in Emergency Radiology Problem Solving in Pediatric Imaging E-Book Solving Problems in Diagnostic Radiology Problem Solving in Cardiovascular Imaging Problem Solving in Chest Imaging E-Book Problem Solving in Abdominal Imaging with CD-ROM Problem Solving in Chest Imaging Audiovisual Aids in Medical Education Breast Imaging Radiological Diagnosis of Breast Diseases Clinical Radiology Atlas of Emergency Imaging from Head-to-Toe Current Practice of Radiology Modern Imaging Evaluation of the Brain, Body and Spine, An Issue of Magnetic Resonance Imaging Clinics Tomosynthesis Imaging An Introduction to the Physics of Diagnostic Radiology Radiology Introduction to Diagnostic Radiology *Stuart E. Mirvis Meng Law Stuart E. Mirvis Sarah Sarvis Milla Robert A. Halvorsen Suhny Abbara, MD, FACR, FSCCT Subba R. Digumarthy Neal C. Dalrymple, MD Subba Rao Digumarthy Martha J. Benzer Etta D. Pisano Michael Friedrich Richard H. Daffner Michael N. Patlas James H. Thrall Lara A. Brandao Ingrid Reiser Edward E. Christensen Khaled Elsayes*

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

problem solving in neuroradiology by meng law md peter m som md and thomas p naidich md is your survival guide to solving diagnostic challenges that are particularly problematic in neuroimaging with a concise practical and instructional approach it helps you apply basic principles of problem solving to imaging of the head and interventional neck brain and spine inside you ll find expert guidance on how to accurately read what you see and how to perform critical techniques including biopsy percutaneous drainage and tumor ablation user friendly features such as tables and boxes tips pitfalls and rules of thumb place today s best practices at your fingertips including protocols for optimizing the most state of the art imaging modalities a full color design including more than 700 high quality images highlights critical elements to enhance your understanding apply expert tricks of the trade and protocols for optimizing the most state of the art imaging modalities and their clinical applications used for the brain and spine with general indications for use and special situations make the most efficient use of modern imaging modalities including multidetector ct pet advanced mr imaging mr spectroscopy mrs diffusion weighted imaging dwi diffusion tensor imaging dti and perfusion weighted imaging pwi successfully perform difficult interventional techniques such as biopsies of the spine and interventional angiography key techniques for more accurately diagnosing cerebral vascular disease aneurysm and blood vessel malformations as well as percutaneous drainage and tumor ablation know what to expect a dedicated section is organized by the clinical scenarios most likely to be encountered in daily practice such as neurodegenerative disease vascular disease and cancer 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 accurately identify what you see especially those images that could suggest several possible diagnoses see conditions as they appear in practice thanks to an abundance of case examples and specially designed full color high quality images which complement the text and highlight important elements quickly find the information you need thanks to a well organized user friendly format with templated headings detailed illustrations and at a glance tables

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 this book will have broad appeal to many audiences it will prove an invaluable resource to any practicing radiologist providing coverage of emergency department imaging regardless of whether or not the radiologist self identifies as an emergency radiologist foreword by stephen ledbetter chief of radiology brigham and women s faulkner hospital may 2015 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 access the full text online at expert consult

optimize diagnostic accuracy with problem solving in pediatric 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 pediatric imaging perfect for practitioners fellows and senior level residents who may or may not specialize in pediatric radiology but need to use and understand it integrates problem solving techniques throughout addressing questions such as if i see this what do i need to consider what are my next steps presents content in a highly useful real world manner with sections on conventional radiography in the ed nicu picu and cicu fluoroscopy body imaging and neuroradiology imaging findings are merged with clinical anatomic developmental and molecular information to extract key diagnostic and therapeutic information contains a section on special topics with chapters on radiation safety and quality assurance features hundreds of high quality color images and anatomic drawings that provide a clear picture of what to look for when interpreting studies illustrations conveying normal anatomy help you gain an in depth perspective of each pathology

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 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

elsevier's new problem solving in abdominal imaging offers you a concise practical and instructional approach to your most common imaging questions it presents basic principles of problem solving to apply to imaging the abdominal and pelvic organs gastrointestinal tract and genitourinary tract inside you'll find expert guidance on how to accurately read what you see and how to perform critical techniques including biopsy and percutaneous drainage user friendly features such as tables and boxes tips pitfalls and rules of thumb place today's best practices at your fingertips a full color design including more than 700 high quality images highlights critical elements and complements the text to enhance your understanding best of all a bonus cd provides you with an atlas of basic surgical procedures and survival guides for managing musculoskeletal and chest findings encountered on abdominal imaging examinations provides problem solving advice to help you find abnormalities and accurately identify what you see presents a section devoted to clinical scenarios organized by presenting signs or disease processes covering those you're most likely to encounter in daily practice includes tips for optimization of the most common advanced imaging techniques used for the abdominal and pelvic regions with general indications for use and special situations to help you make the most of each modality offers step by step guidance that will help you safely approach challenging abdominal interventions reduce complications and improve outcomes features tables and boxes tips pitfalls and other teaching points for easy reference incorporates high quality images and a full color design that illuminates important elements includes a cd containing an atlas of basic surgical procedures and survival guides for managing incidental musculoskeletal and chest findings encountered on abdominal imaging examinations

the title of this work breast imaging reflects the intellectual expansion of the field that previously was limited to standard mammography nmr sestimibi scanning epr and optical imaging are all adding to the richness of approaches directed at the early detection of breast cancer these approaches put us in the enviable position of asking which technologies are the most specific not just the most sensitive and which are the most cost effective and not simply most useful this book edited by dr etta pisano discusses the key questions and discoveries in breast imaging through a series of timely essays we hope that you will enjoy their collective message

this book has been edited by two of the best known experts in the field of breast diseases it was in 1975 that michael friedrich professor of radiology at the free university of berlin commenced his efforts to develop and improve mammography so as to allow the early diagnosis of breast cancer the outstanding results that he has achieved have led to awards from the german radiological society the hermann holthusen ring and the medical high school hannover the johann georg zimmermann prize edward allen sickles professor of radiology and chief of the breast imaging section at the university of california san francisco has since 1976 devoted much effort to comparison of the different methods of diagnostic radiology of the

breast including ultrasonography and magnetic resonance imaging he has received many distinctions and important awards in recognition of his studies professor sickles is one of the leading radiologists in this field of research in the united states and is well known all over the world

written for medical students beginning clinical rotations this book covers the topics most often included in introductory radiology courses it emphasizes clinical problem solving relates radiologic abnormalities to pathophysiology and offers guidelines for selecting imaging studies in specific clinical situations more than 1 200 images show variations in radiologic appearances of common disorders this thoroughly revised third edition reflects state of the art advances and includes new material on current interventional techniques and cardiac imaging nearly 200 new illustrations have been added and some older illustrations have been replaced by new ones reflecting contemporary imaging this edition also includes an appendix of diagnostic pearls

this new reference work provides a comprehensive and modern approach to the imaging of numerous non traumatic and traumatic emergency conditions affecting the human body it reviews the latest imaging techniques related clinical literature and appropriateness criteria guidelines while also discussing current controversies in the imaging of acutely ill patients the first chapters outline an evidence based approach to imaging interpretation for patients with acute non traumatic and traumatic conditions explain the role of artificial intelligence in emergency radiology and offer guidance on when to consult an interventional radiologist in vascular as well as non vascular emergencies the next chapters describe specific applications of ultrasound magnetic resonance imaging radiography multi detector computed tomography mdct and dual energy computed tomography for the imaging of common and less common acute brain spine thoracic abdominal pelvic and musculoskeletal conditions including the unique challenges of imaging pregnant bariatric and pediatric patients there are two new sections for 2nd edition one section is devoted to imaging of emergency conditions in geriatric patients the second section covers special considerations in emergency imaging including imaging of intimate partner violence and emergencies in transplant patients written by a group of leading north american and european emergency and trauma radiology experts this book will be of value to emergency and general radiologists to emergency department physicians and related personnel to obstetricians and gynecologists to general and trauma surgeons as well as trainees in all of these specialties

magnetic resonance spectroscopy mrs is an analytical method used in chemistry that enables the identification and quantification of metabolites in samples it differs from conventional magnetic resonance imaging in that spectra provide physiological and chemical information instead of anatomy this issue examines mrs methods for a wide variety of body imaging needs

an innovative three dimensional x ray imaging technique that enhances projection radiography by adding depth resolution tomosynthesis imaging explores tomosynthesis an emerging limited angle tomographic imaging technology that is being considered for use in a range of clinical applications and is currently being used for breast cancer screening

a practical clinically relevant introduction to diagnostic radiology introduction to basic radiology is written to provide non radiologists with the level of knowledge necessary to order correct radiological examinations improve image interpretation and enhance their interpretation of various radiological manifestations the book focuses on the clinical scenarios most often encountered in daily practice and discusses practical imaging techniques and protocols used to address common problems relevant case scenarios are included to demonstrate how to reach a specific diagnosis introduction to basic radiology is divided into ten chapters the first two chapters provide basic information on various diagnostic imaging techniques and control agents each of the following chapters discuss imaging of specific organ systems and begin with a description of the imaging modality of choice and illustrates the relevant features to help simplify the differential diagnosis you will also find important chapters on pediatric radiology and women s imaging unlike other introductory texts on the subject this book treats diagnosis from a practical point of view rather than discuss various diseases and classify them from the pathologic standpoint introduction to basic radiology utilizes cases from the emergency room and physician s offices and uses a practical approach to reach a diagnosis the cases walk you through a radiology expert s analysis of imaging patterns these cases are presented progressively with the expert s thinking process described in detail the cases highlight clinical presentation clinical suspicion modality of choice radiologic technique and pertinent imaging features of common disease processes

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