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Classic Papers in Modern Diagnostic Radiology Advances in Clinical Radiology, E-Book 2020 Thoracic Imaging The History of Radiology Forensic Radiology Contrast-Enhanced Mammography Research Methods in Radiology Musculoskeletal Imaging Pulmonary Functional Imaging Radiology in Forensic Medicine Artificial Intelligence in Medical Imaging Gastrointestinal Imaging Abdominal Imaging Radiology Business Practice E-Book Stroke Interventional Radiology in Palliative Care The Radiology Handbook ERCP The Practice of Radiology Education Diagnostic Radiology Physics Psychoradiology, An Issue of Neuroimaging Clinics of North America, Ebook Emergency Radiology Radiology Casebook for Medical Students Medical Imaging and Radiotherapy Research: Skills and Strategies Oncologic Imaging Trends in Contrast Media Quality Assurance Workbook for Radiographers and Radiological Technologists Deep Learning for Coders with fastai and PyTorch FRCR Physics Notes Radiology Secrets Plus E-Book Image Processing in Radiology The Foot in Diabetes Oral and Maxillofacial Radiology Wiggs's Veterinary Dentistry The Science of Radiology Radiofrequency Ablation for Small Hepatocellular Carcinoma Severe Acute Respiratory Syndrome Digital Breast Tomosynthesis Quality and Safety in Radiology Radiology Education

In this book a team of leading experts come together to provide a comprehensive overview of modern imaging of the abdomen and pelvis, with detailed sections on both gastrointestinal and genitourinary imaging. Each chapter has an identical structure and focuses on a particular organ or organ system, allowing the reader to approach the field one topic at a time. Indications for a variety of imaging techniques and examination protocols are clearly described, and the imaging features of normal anatomy and pathologic entities are depicted in an abundance of high-quality images. Care is taken to consider all recent technical developments and new indications, and the diagnostic performance of different imaging modalities is carefully compared. It is anticipated that this book will come to be regarded as the standard work of reference on abdominal and pelvic radiology. The practice of radiology education: challenges and trends will provide truly helpful guidance for those of you involved in teaching and training in radiology. The goal of this book is ultimately to improve patient care. As a companion piece to the first book radiology education: the scholarship of teaching and learning, this book focuses on applying the concepts at a practical level that can be applied flexibly within educational programs for radiology residents and fellows in any medical imaging learning environment. This book focuses on the application of scholarship in terms of the “dissemination of useful, testable and reproducible information to others.” It links educational theory with practice and for those of you who wish to explore educational practice further, a number of chapters suggest additional readings and resources. The publication is timely and congruent with one of the most important twenty-first century trends in medical education: the move from amateurism to professionalism in teaching. In the past, medical schools and other health professions’ training institutions have been criticized for their resistance to the adoption of the science of medical education. Very few of us learned how to teach as medical students and most of us have our teaching responsibilities thrust on us with little preparation. The award of a basic medical degree was assumed to carry with it basic teaching expertise, unfortunately an unwarranted assumption in some cases. A different approach to contrast media, discussed primarily from the point of view of the radiologist. Comprehensive sections are devoted to iodinated contrast media and to the contrast media employed in magnetic resonance imaging and ultrasonography. The latest agents available receive due attention, as do adverse reactions. A final section considers the use of contrast media in nuclear medicine. Offered in print, online, and downloadable formats, this updated edition of Stroke: Pathophysiology, Diagnosis, and Management delivers convenient access to the latest research findings and management approaches for cerebrovascular disease. Picking up from where J. P. Mohr and colleagues left off, a new team of editors - Drs. Grotta, Albers, Broderick, Kasner, Lo, Mendelow, Sacco, and Wong - head the sixth edition of this classic text, which is authored by the world's foremost stroke experts. Comprehensive, expert clinical guidance enables you to recognize the clinical manifestations of stroke, use the latest laboratory and imaging studies to arrive at a diagnosis, and generate an effective medical and surgical treatment plan. Abundant full-color CT images and pathology slides help you make efficient and accurate diagnoses. Data from late-breaking endovascular trials equips you with recent findings. Includes comprehensive coverage of advances in molecular biology of cell death; risk factors and prevention; advances in diagnostics and stroke imaging; and therapeutic options, including a thorough review of thrombolytic agents and emerging data for endovascular therapy. Features brand-new chapters on Intracellular Signaling: Mediators and Protective Responses; The Neurovascular Unit and Responses to Ischemia; Mechanisms of Cerebral Hemorrhage; Stroke Related to Surgery and Other Procedures; Cryptogenic Stroke; and Interventions to Improve Recovery after Stroke. Highlights new information on genetic risk factors; primary prevention of stroke; infectious diseases and stroke; recovery interventions such as robotics, brain stimulation, and telerehabilitation; and trial design. Details advances in diagnostic tests, such as ultrasound, computed tomography (including CT angiography and CT perfusion), MRI (including MR perfusion techniques), and angiography. Includes extracted and highlighted evidence levels. Expert Consult eBook version included with print purchase. This enhanced eBook experience allows you to search all of the text, figures, and references on a variety of devices. The content can also be downloaded to tablets and smart phones for offline use. Combat stroke with the most comprehensive and updated multimedia resource on the pathophysiology, diagnosis, and management of stroke from leaders in the field Provides the comprehensive knowledge required to perform ERCP safely and effectively Authored by the very best in the field, this “how-to” guide to mastering the crucial yet complex gastrointestinal procedure called endoscopic retrograde cholangiopancreatography (ERCP) covers the entire range of both standard and advanced techniques, using a highly practical approach. It also places a strong emphasis on patient education, safety, and minimizing risks, offering “tips and tricks” and key points throughout to aid rapid understanding. The book is filled with over 250 illustrations Covering ERCP preparation, techniques, clinical applications, and quality and safety, ERCP: The Fundamentals, 3rd Edition begins with chapters on “getting prepared,” including training and competence; facilities and equipment; risk assessment and reduction; sedation, anesthesia, and medications. It then covers “what can be done,” describing standard devices and techniques; intraductal therapies; ampullectomy; and reporting and documentation. Next it has chapters on “what should be done,” clinical applications of ERCP in acute cholangitis; peri-cholecystectomy; difficult bile duct stones; biliary pain; and numerous forms of pancreatitis. The book finishes with coverage of adverse events and how to ensure competent practice. Teaches all of the standard and advanced ERCP techniques Focuses on patient safety/comfort throughout Brilliantly-illustrated with endoscopic, EUS and radiologic images, and anatomical drawings Offers a step-by-step, practical approach to ERCP—highlighting potential technical and anatomical hazards Packed with tips and tricks boxes and key points boxes to assist comprehension 20 high-definition videos of ERCP performed by the experts, perfect to improve clinical technique Full reference to the very latest ASGE, ACG, ASG and UEGW guidelines throughout Brought to you by world pioneers in endoscopy, ERCP: The Fundamentals, 3rd Edition is an essential purchase for gastroenterologists and endoscopists of all levels. This issue of Neuroimaging Clinics of North America focuses on Psychoradiology, and is edited by Dr. Qiyong Gong. Articles will include: Clinical Strategies and Technical Challenges in Psychoradiology; Resting State Functional MRI for Psychiatry; Magnetic Resonance Spectroscopy for Psychiatry; Psychoradiology of Major Depression; Psychoradiological Biomarkers for Psychopharmaceutical Effects; Implementing Imaging into Clinical Routine Screening for Psychosis; Imaging of Autism; Individual-specific Analysis for Psychoradiology; Interventional Psychoradiology: Imaging Guided Therapeutic Intervention of Neuropsychiatric Disorders; Imaging-based Subtyping for Psychiatric Syndromes; Imaging of Post-Traumatic Stress Disorder; Imaging of Schizophrenia; and more! This book offers a comprehensive review on the last development in the management and the treatment of acute and life-threatening conditions. Written by leading experts in the field, this book will help the clinician to understand the clinical problems and to select the methodological and technical options that will ensure prompt and effective response and correct interpretation of the clinical findings. This book is richly illustrated and will serve as unique source of information for radiologists and other specialists including neuroradiologists, surgeons, cardiologists, angiologists and gastroenterologists. Comprehensive medical imaging physics notes aimed at those sitting the first FRCR physics exam in the UK and covering the scope of the Royal College of Radiologists syllabus. Written by Radiologists, the notes are concise and clearly organised with 100's of beautiful diagrams to aid understanding. The notes cover all of radiology physics, including basic science, x-ray imaging, CT, ultrasound, MRI, molecular imaging, and radiation dosimetry, protection and legislation. Although aimed at UK radiology trainees, it is also suitable for international residents taking similar examinations, postgraduate medical physics students and radiographers. The notes provide an excellent overview for anyone interested in the physics of radiology or just refreshing their knowledge. This third edition includes updates to reflect new legislation and many new illustrations, added sections, and removal of content no longer relevant to the FRCR physics exam. This edition has gone through strict critique and evaluation by physicists and other specialists to provide an accurate, understandable and up-to-date resource. The book summarises and pulls together content from the FRCR Physics Notes at Radiology Cafe and delivers it as a paperback or eBook for you to keep and read anytime. There are 7 main chapters, which are further subdivided into 60 sub-chapters so topics are easy to find. There is a comprehensive appendix and index at the back of the book. To succeed in radiology, you not only need to be able to interpret diagnostic images accurately and efficiently; you also need to make wise decisions about managing your practice at every level. Whether you work in a private, group, hospital, and/or university setting, this practical resource delivers the real-world advice you need to effectively navigate day-to-day financial decisions, equipment and computer systems choices, and interactions with your partners and staff. Equips you to make the best possible decisions on assessing your equipment needs · dealing with manufacturers · purchasing versus leasing · and anticipating maintenance costs and depreciation. Helps you to identify your most appropriate options for picture archiving systems and radiology information systems · security issues · high-speed lines · storage issues · workstation assessments · and paperless filmless flow. Offers advice on

dealing with departments/clinicians who wish to perform radiological procedures and provides strategies for win-win compromises, drawing the line, inpatient-versus-outpatient considerations, cost and revenue sharing, and more. *Radiology Secrets Plus*—a *Secrets Series* title in the new PLUS format—offers an easy-to-read, information-at-your-fingertips approach to radiology. Drs. E. Scott Pretorius and Jeffrey A. Solomon provide the expert perspective you need to grasp the nuances of this specialty. This new edition offers more information and expanded full color visual elements to provide an overall enhanced learning experience. All this, along with the popular question-and answer approach, makes it a perfect concise board review tool and a handy clinical reference. Maintains the popular and trusted *Secrets Series*® format, using questions and short answers for effective and enjoyable learning. Provides the most current overview and authoritative coverage of all topics thanks to contributions from an impressive list of experts in the field of radiology. Introduces the new PLUS format, with an expanded size and layout and full color for easier review, more information, and more visual elements for an overall enhanced experience. Provides the current standards of radiology practice through thorough updates to every chapter that reflect the most up-to-date information. Contains more, larger images (including new full color PET and CT images), to offer a clearer picture of what is seen in practice. This important book fills a gap in the literature by focusing specifically on the role of interventional radiology in patients receiving palliative medicine and supportive care, a group in which the need for minimally invasive therapy is especially high. Detailed information and guidance is provided on use of the tools of interventional radiology for the purpose of problem solving in relation to a wide variety of diseases and complications. Readers will find clear explanation of the ways in which interventional radiology techniques can assist with regard to intravenous access, feeding, musculoskeletal and neurological pain relief, tumor debulking, management of bleeding and obstructions, drainages, and treatment of fistulas. Throughout, helpful tips and tricks of value in daily practice are highlighted. The book is an ideal reference on the interventional management of palliative/supportive care and the effective use of interventional radiology techniques in a multidisciplinary environment. Beyond specialists and trainees in interventional radiology, it will have broad appeal to all who deal with patients on palliative and supportive care on a day-to-day basis. Completely updated to reflect the latest developments in science and technology, the second edition of this reference presents the diagnostic imaging tools essential to the detection, diagnosis, staging, treatment planning, and post-treatment management of cancer in both adults and children. Organized by major organs and body systems, the text offers comprehensive, abundantly illustrated guidance to enable both the radiologist and clinical oncologist to better appreciate and overcome the challenges of tumor imaging. Features 12 brand-new chapters that examine new imaging techniques, molecular imaging, minimally invasive approaches, 3D and conformal treatment planning, interventional techniques in radiation oncology, interventional breast techniques, and more. Emphasizes practical interactions between oncologists and radiologists. Includes expanded coverage of paediatric tumours as well as thorax, gastrointestinal tract, genitourinary, and musculoskeletal cancers. Offers reorganized and increased content on the brain and spinal cord. Nearly 1,400 illustrations enable both the radiologist and clinical oncologist to better appreciate and overcome the challenges of tumour imaging. - Outstanding Features! Presents internationally renowned authors' insights on recent technological breakthroughs in imaging for each anatomical region, and offers their views on future advances in the field. Discusses the latest advances in treatment planning. Devotes four chapters to the critical role of imaging in radiation treatment planning and delivery. Makes reference easy with a body-system organisation. This book reviews the philosophies, theories, and principles that underpin assessment and evaluation in radiology education, highlighting emerging practices and work done in the field. The sometimes conflicting assessment and evaluation needs of accreditation bodies, academic programs, trainees, and patients are carefully considered. The final section of the book examines assessment and evaluation in practice, through the development of rich case studies reflecting the implementation of a variety of approaches. This is the third book in a trilogy devoted to radiology education. The previous two books focused on the culture and the learning organizations in which our future radiologists are educated and on the application of educational principles in the education of radiologists. Here, the trilogy comes full circle: attending to the assessment and evaluation of the education of its members has much to offer back to the learning of the organization. This exciting new book equips radiography students and practitioners with the key skills and strategies required to undertake research within medical imaging and radiotherapy and to disseminate the research findings effectively. Quantitative and qualitative research methods are covered, with guidance provided on the entire research process, from literature researching, information management and literature evaluation through to data collection, data analysis, and writing up. Attention is drawn to sampling errors and other potential sources of bias, and the conduct of randomized controlled trials, systematic reviews, and meta-analyses are clearly explained. Specific instruction is given on the structure and presentation of dissertations, writing journal articles for publication, and the dissemination of research findings at conferences. Information on patient and public involvement in research and research funding bodies are also provided with advice on how to maximize the likelihood of success when submitting applications for funding. This handbook provides a comprehensive insight into how imaging techniques should be applied to particular clinical problems and how the results can be used to determine the diagnosis and management of musculoskeletal conditions. This book provides a thorough overview of the ongoing evolution in the application of artificial intelligence (AI) within healthcare and radiology, enabling readers to gain a deeper insight into the technological background of AI and the impacts of new and emerging technologies on medical imaging. After an introduction on game changers in radiology, such as deep learning technology, the technological evolution of AI in computing science and medical image computing is described, with explanation of basic principles and the types and subtypes of AI. Subsequent sections address the use of imaging biomarkers, the development and validation of AI applications, and various aspects and issues relating to the growing role of big data in radiology. Diverse real-life clinical applications of AI are then outlined for different body parts, demonstrating their ability to add value to daily radiology practices. The concluding section focuses on the impact of AI on radiology and the implications for radiologists, for example with respect to training. Written by radiologists and IT professionals, the book will be of high value for radiologists, medical/clinical physicists, IT specialists, and imaging informatics professionals. *Research Methods in Radiology* provides concise, practical insights on how to design clinical and experimental studies in diagnostic imaging. This unique resource encompasses contributions from leaders in academic radiology as well as top epidemiologists, biostatisticians, and librarians with vast multidisciplinary and radiology research experience. The material reflects years of expertise teaching core biostatistics in radiology principles to residents, fellows, radiologists, and epidemiologists. Given the vast amount of published information on research methodology and statistics in radiology, the authors' goal was to write a high-yield review and study tool rather than a comprehensive book. Key topics are succinctly addressed in each chapter, including measurements in radiology; decision analysis in radiology; and systemic reviews, evidence-based imaging, and knowledge translation. Online exercises related to each topic enable residents to prepare for radiology board examinations and research radiologists to apply knowledge to clinical studies. **Key Highlights** Introductory chapters on analysis of diagnostic tests, linear and logistic regression, meta-analysis, statistical inference, and economic evaluation provide easy-to-follow tutorials Each chapter includes learning objectives, basic concepts, supplementary tables, and ancillary online material Case studies with images, graphs, and tables highlight primary "take home" points Sample size calculations are illustrated for a wide range of research questions Code is included for use in R, free open-source software for statistical analysis This book is an indispensable review of research methodology for radiology students and residents. Practicing clinicians will also benefit from this precisely focused reference tool on clinical and experimental research. This publication is aimed at students and teachers involved in programmes that train medical physicists for work in diagnostic radiology. It provides a comprehensive overview of the basic medical physics knowledge required in the form of a syllabus for the practice of modern diagnostic radiology. This makes it particularly useful for graduate students and residents in medical physics programmes. The material presented in the publication has been endorsed by the major international organizations and is the foundation for academic and clinical courses in both diagnostic radiology physics and in emerging areas such as imaging in radiotherapy. I am very pleased to have been asked to write the foreword to this book. The technical advances in diagnostic radiology in the last few decades have transformed clinical practice and have been nothing short of astonishing. The subject of diagnostic radiology is now very large and radiology departments are involved in all areas of modern patient care. The defining event in modern radiology, and arguably the most significant development in radiology since Wilhelm Röntgen discovered X-rays, was the invention of the CT scanner in the 1970s. The CT scanner introduced modern cross-sectional imaging and also digital imaging. We now have MRI and ultrasound and these techniques are replacing many traditional X-ray procedures. The developments in radiology have been the result of a fruitful interaction between the basic sciences, clinical medicine and the manufacturers. This can be seen by looking at the various sources of these publications. Change is produced by the interactions between the various disciplines. The editors have had a very difficult task in selecting the key discoveries and descriptions. The radiological literature is very large. Medical imaging continues to develop rapidly and these papers are the foundations of our current practice. This book reviews the basics of pulmonary functional imaging using new CT and MR techniques and describes the clinical applications of these techniques in detail. The intention is to equip readers with a full understanding of pulmonary functional imaging that will allow optimal application of all relevant techniques in the assessment of a variety of diseases, including COPD, asthma, cystic fibrosis, pulmonary thromboembolism, pulmonary hypertension, lung cancer and pulmonary nodule. Pulmonary functional imaging has been promoted as a research and diagnostic tool that has the capability to overcome the limitations of morphological assessments as well as functional evaluation based on traditional nuclear medicine studies. The recent advances in CT and MRI and in medical image processing and analysis have given further impetus to pulmonary functional imaging and provide the basis for future expansion of its use in clinical applications. In documenting the utility of state-of-the-art pulmonary functional imaging in diagnostic radiology and pulmonary medicine, this book will be of high value for chest radiologists, pulmonologists, pulmonary surgeons, and radiation technologists. This volume presents a comprehensive review of gastrointestinal pathologies commonly encountered by practising radiologists and residents in training. The chapters are organised by organ system and include the pharynx and esophagus, stomach, small bowel, appendix, colon, anorectum, liver, gallbladder, bile ducts, pancreas, spleen, peritoneum, mesentery, and abdominal wall, and one on multisystem disorders. The book offers a guided approach to imaging diagnosis with examples of all imaging modalities complimented by the basics of technique and interpretation and the nuances necessary to reach the best diagnosis. In a larger format, this book contains a wide range of radiology cases which medical students will encounter in their finals and everyday hospital practice. This workbook on Quality assurance is primarily written for radiographers and radiological technologists, but it may prove valuable for other health professionals. It focuses on the most essential steps of practical quality assurance needed in order to improve safety, quality, and efficacy of their work, and may be used either for self study and self assessment, or as part of organized training courses.

The workbook includes teaching techniques and health and safety issues in X-ray departments. It also includes 6 teaching modules on reject film analysis, accessory equipment, X-ray equipment, manual film processing, automatic film processing, and radiographic exposures. It concludes with two appendix on making simple test tools, graphs, check sheets and record sheets, as well as a glossary and references. Deep learning is often viewed as the exclusive domain of math PhDs and big tech companies. But as this hands-on guide demonstrates, programmers comfortable with Python can achieve impressive results in deep learning with little math background, small amounts of data, and minimal code. How? With fastai, the first library to provide a consistent interface to the most frequently used deep learning applications. Authors Jeremy Howard and Sylvain Gugger, the creators of fastai, show you how to train a model on a wide range of tasks using fastai and PyTorch. You'll also dive progressively further into deep learning theory to gain a complete understanding of the algorithms behind the scenes. Train models in computer vision, natural language processing, tabular data, and collaborative filtering Learn the latest deep learning techniques that matter most in practice Improve accuracy, speed, and reliability by understanding how deep learning models work Discover how to turn your models into web applications Implement deep learning algorithms from scratch Consider the ethical implications of your work Gain insight from the foreword by PyTorch cofounder, Soumith Chintala Advances in Clinical Radiology was established to review the year's most important questions in clinical radiology. A distinguished editorial board, headed by Dr. Frank Miller, identifies key areas of major progress and controversy, and invites preeminent specialists to contribute original articles devoted to these topics. These insightful overviews in radiology bring concepts to a clinical level and explore their everyday impact on patient care. To the dentist or maxillofacial practitioner, radiology is an essential diagnostic discipline and a valuable tool for treatment planning. Now more than ever, dentists are often the first to encounter lesions of the face and jaws and are frequently held liable for recognizing pathologies and other sites of concern. Oral and Maxillofacial Radiology: A Diagnostic Approach provides clinicians of varied disciplines and skill levels a practical and systematic approach to diagnosing lesions affecting the face and jaws. Firmly grounded in evidence-based research, the book presents a clear understanding of the clinical impact of each lesion within a prospective diagnosis. Oral and Maxillofacial Radiology is logically organized, beginning with the basics of radiological diagnosis before discussing each of the advanced imaging modalities in turn. Modalities discussed include helical and cone-beam computed tomography, magnetic resonance imaging, positron emission tomography, and ultrasonography. Later chapters cover radiological pathologies of the jaw, and also those of the head and neck immediately outside the oral and maxillofacial region. Written by a recognized expert in the field, Oral and Maxillofacial Radiology contains a multitude of clinical images, practical examples, and flowcharts to facilitate differential diagnosis. Radiology has been transformed by new imaging advances and a greater demand for imaging, along with a much lower tolerance for error as part of the Quality & Safety revolution in healthcare. With a greater emphasis on patient safety and quality in imaging practice, imaging specialists are increasingly charged with ensuring patient safety and demonstrating that everything done for patients in their care meets the highest quality and safety standards. This book offers practical guidance on understanding, creating, and implementing quality management programs in Radiology. Chapters are comprehensive, detailed, and organized into three sections: Core Concepts, Management Concepts, and Educational & Special Concepts. Discussions are applicable to all practice settings: community hospitals, private practice, academic radiology, and government/military practice, as well as to those preparing for the quality and safety questions on the American Board of Radiology's "Maintenance of Certification" or initial Board Certification Examinations. Bringing together the various elements that comprise the quality and safety agenda for Radiology, this book serves as a thorough roadmap and resource for radiologists, technicians, and radiology managers and administrators. This book provides a comprehensive guide to the treatment of small hepatocellular carcinoma (sHCC) using a minimally invasive technique: radiofrequency ablation (RFA). RFA has emerged as a new treatment modality and become the main modality of locoregional therapy. Extensive clinical research indicates that RFA is as effective as surgical resection for sHCC, and it has the advantage of being less invasive. However, the outcomes after RFA are largely dependent on the operators' experience- known as the "learning curve". This book presents the characteristics of sHCC and discusses why sHCC is the best candidate for RFA. Then it introduces all the commercially available RFA systems, and their working principles, advantages, disadvantages and so on. It goes on to demonstrate how to perform RFA under the guidance of ultrasound, CT, laparoscopy, or during open operation. Finally, it discusses the radiologic assessment and follow-up after RFA, as well as adjuvant therapies and clinical trials on RFA. The authors are experts from the fields of pathology, radiology, surgery, and gastroenterology, as well as manufacturers. With this book, readers gain have a clear idea of when and how to do RFA. It aims to standardize and generalize the procedure of RFA, which will be very helpful in improving the outcome of RFA for sHCC. This book offers a comprehensive overview of the forensic and radiological aspects of pathological findings, focusing on the most relevant medico-legal issues, such as virtual autopsy (virtopsy), anthropometric identification, post-mortem decomposition features and the latest radiological applications used in forensic investigations. Forensic medicine and radiology are becoming increasingly relevant in the international medical and legal field as they offer essential techniques for determining cause of death and for anthropometric identification. This is highly topical in light of public safety and economic concerns arising as a result of mass migration and international tensions. The book discusses the latest technologies applied in the forensic field, in particular computed tomography and magnetic resonance, which are continuously being updated. Radiological techniques are fundamental in rapidly providing a full description of the damage inflicted to add to witness and medical testimonies, and forensic/radiological anthropology supplies valuable evidence in cases of violence and abuse. Written by international experts, it is of interest to students and residents in forensic medicine and radiology. It also presents a new approach to forensic investigation for lawyers and police special corps as well as law enforcement agencies. RadCases contains cases selected to simulate everything that you'll see on your rounds, rotations, and exams. RadCases also helps you identify the correct differential diagnosis for each case - including the most critical. Visit RadCases.thieme.com for free sample cases and to experience this dynamic learning tool for yourself! RadCases covers: Cardiac Imaging, Interventional Radiology, Musculoskeletal Radiology, Neuro Imaging, Thoracic Imaging, Pediatric Imaging, Gastrointestinal Imaging, Breast Imaging, Nuclear Medicine, Ultrasound Imaging, Head and Neck Imaging, Genitourinary Imaging Each RadCases title features 100 carefully selected, must-know cases documented with clear, high-quality radiographs. The organization provides maximum ease of use for self-assessment. Each case begins with the clinical presentation on the right-hand page; simply turn the page for imaging findings, differential diagnoses, the definitive diagnosis, essential facts, and more. Each RadCases title includes a scratch-off code that allows 12 months of access to a searchable online database of all 100 cases from the book plus an additional 150 cases in that book's specialty - 250 cases in total! Learn your cases, diagnose with confidence and pass your exams. RadCases. Thoracic Imaging will enable you to diagnose the full range of chest and pulmonary diseases. Features of Thoracic Imaging: Numerous high-resolution radiographs demonstrate key thoracic abnormalities A variety of common and uncommon presentations cover everything from asthma to nonspecific interstitial pneumonia Examples of critical cases that must be diagnosed immediately -- to avert potential disaster in daily practice and on exams -- such as septic pulmonary embolism Overall, the book is an excellent resource for anyone wanting to review cardiovascular imaging cases. It is a particularly well-suited educational tool for residents and medical students. Few comparable cardiovascular imaging texts are available, and this book represents an excellent addition to available educational resources.--Academic Radiology This book is a comprehensive guide to contrast-enhanced mammography (CEM), a novel advanced mammography technique using dual-energy mammography in combination with intravenous contrast administration in order to increase the diagnostic performance of digital mammography. Readers will find helpful information on the principles of CEM and indications for the technique. Detailed attention is devoted to image interpretation, with presentation of case examples and highlighting of pitfalls and artifacts. Other topics to be addressed include the establishment of a CEM program, the comparative merits of CEM and MRI, and the roles of CEM in screening populations and monitoring of response to neoadjuvant chemotherapy. CEM became commercially available in 2011 and is increasingly being used in clinical practice owing to its superiority over full-field digital mammography. This book will be an ideal source of knowledge and guidance for all who wish to start using the technique or to learn more about it. This book, written by leading experts from many countries, provides a comprehensive and up-to-date description of how to use 2D and 3D processing tools in clinical radiology. The opening section covers a wide range of technical aspects. In the main section, the principal clinical applications are described and discussed in depth. A third section focuses on a variety of special topics. This book will be invaluable to radiologists of any subspecialty. Designed for busy medical students, The Radiology Handbook is a quick and easy reference for any practitioner who needs information on ordering or interpreting images. The book is divided into three parts: - Part I presents a table, organized from head to toe, with recommended imaging tests for common clinical conditions. - Part II is organized in a question and answer format that covers the following topics: how each major imaging modality works to create an image; what the basic precepts of image interpretation in each body system are; and where to find information and resources for continued learning. - Part III is an imaging quiz beginning at the head and ending at the foot. Sixty images are provided to self-test knowledge about normal imaging anatomy and common imaging pathology. Published in collaboration with the Ohio University College of Osteopathic Medicine, The Radiology Handbook is a convenient pocket-sized resource designed for medical students and non radiologists. Prompting the first WHO global health alert for over a decade, Severe Acute Respiratory Syndrome (SARS) was first recognised in South-East Asia in February 2003. With the causative agent now identified as a new strain of coronavirus, the medical world has gained important knowledge on the aetiology, clinical presentation, diagnosis, pathogenesis, epidemiology, disease treatment and infection control with amazing speed. Despite this, major gaps remain in our understanding - the race is on to develop new cures and effective vaccines, and the long-term impact on health, society and economics are starting to unravel. Severe Acute Respiratory Syndrome: A Clinical Guide meets the urgent need for a comprehensive, authoritative reference guide for everyone in the medical and scientific community engaged in the fight against SARS: Definitive book on SARS, clearly and accurately documenting the extraordinary medical and scientific events around this new epidemic International experts in the field, with many contributors from the WHO and CDC Will help reader to understand and prevent future outbreaks with a repeat of the same consequences The scope of applications of forensic radiology includes determination of identity, evaluation of injury and death, use in criminal and civil litigation, in administrative proceedings such as workman's compensation hearings, in medical education, and in research. Until now, there has been no single source of radiologic knowledge for various disciplines to turn to when examining X-rays or other radiologic records as forensic evidence. This is the first book to cover the entire spectrum of radiological applications in forensic science. Discover how forensic radiology can be used to: Identify remains and determine issues such as animal vs. human remains; whether one or more bodies are involved; and the age, sex, and stature of remains Evaluate causes of death and whether it was accidental, homicidal, or self-

inflicted Establish evidence in both criminal and non-criminal proceedings Analyze bite marks to identify perpetrators Detect fakes and forgeries in art works Determine whether child, spousal, or geriatric abuse is occurring And much more Copiously illustrated with more than 640 pictures, Forensic Radiology is a visual guide and standard reference not only for radiologists, but for everyone involved in the field of forensics-from anthropologists to trial lawyers. This extremely readable text requires no background of medical training to understand, yet is detailed enough to inform physicians and dentists interested in this specialty field. The History of Radiology is an authoritative and engaging history of medical developments within radiology which will appeal to a wide audience including radiologists, medical physicists, medical historians, radiographers, medical students and doctors. This book provides a comprehensive description of the screening and clinical applications of digital breast tomosynthesis (DBT) and offers straightforward, clear guidance on use of the technique. Informative clinical cases are presented to illustrate how to take advantage of DBT in clinical practice. The importance of DBT as a diagnostic tool for both screening and diagnosis is increasing rapidly. DBT improves upon mammography by depicting breast tissue on a video clip made of cross-sectional images reconstructed in correspondence with their mammographic planes of acquisition. DBT results in markedly reduced summation of overlapping breast tissue and offers the potential to improve mammographic breast cancer surveillance and diagnosis. This book will be an excellent practical teaching guide for beginners and a useful reference for more experienced radiologists. Fully revised and updated edition of this popular book, addressing all issues concerning the diabetic foot, one of the most prevalent problems in diabetes, with a strong emphasis on practical aspects of delivering care. Wiggs's Veterinary Dentistry: Principles and Practice, Second Edition is a fully updated and expanded new edition of the classic comprehensive reference for veterinary dentistry. Provides current, comprehensive information on veterinary dentistry Encompasses rudimentary tenets of the field as well as advanced techniques Presents the state-of-the-art in veterinary dentistry, with all topics fully updated, revised, and expanded to reflect current knowledge Written by leading veterinary dental specialists and edited by luminaries in the field Includes more images and color throughout to support the text "The second edition of Wiggs's Veterinary Dentistry: Principles and Practice is an updated and comprehensive guide to all things related to the assessment, diagnosis, and treatment of the oral cavity in canine and feline patients....Overall, this book will be a good resource for any small animal practice or practitioner who performs veterinary dentistry." - JAVMA Vol 255 No. 6

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