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Applied Radiology Each issue includes separate but continuously paged sections called: Nuclear medicine, and: Ultrasound Multislice CT *Springer* The fourth edition of this well-received book offers a comprehensive update on recent developments and trends in the clinical and scientific applications of multislice computed tomography. Following an initial section on the most significant current technical aspects and issues, detailed information is provided on a comprehensive range of diagnostic applications. Imaging of the head and neck, the cardiovascular system, the abdomen, and the lungs is covered in depth, describing the application of multislice CT in a variety of tumors and other pathologies. Emerging fields such as pediatric imaging and CT-guided interventions are fully addressed, and emergency CT is also covered. Radiation exposure, dual-energy imaging, contrast enhancement, image postprocessing, CT perfusion imaging, and CT angiography all receive close attention. The new edition has been comprehensively revised and complemented by contributions from highly experienced and well-known authors who offer diverse perspectives, highlighting the possibilities offered by the most modern multidetector CT systems. This book will be particularly useful for general users of CT systems who wish to upgrade and enhance not only their machines but also their knowledge. **Vault Career Guide to Investment Banking** *Infobase Learning* Provides information on investment banking, covering the basics of financial markets, interviews, career paths, and job responsibilities. **Principles of Infrared Technology A Practical Guide to the State of the Art** *Springer Science & Business Media* This book is about general infrared (IR) engineering, technology, practices, and principles as they apply to modem imaging systems. An alternative title to this book with appeal to managers and marketing personnel might be "Everything You Always Wanted to Know about Infrared Sensors, but Couldn't Get Answers on from Engineers." This book is not meant to be a comprehensive compendium of IR (like the *Infrared and Electro Optical Systems Handbook*). Rather, it is intended to complement such texts by providing up to date information and pragmatic knowledge that is difficult to locate outside of periodicals. The information contained in this book is critical in the day-to-day life of engineering practitioners, proposal writers, and those on the periphery of an IR program. It serves as a guide for engineers wishing to "catch up," engineers new to the field, managers, students, administrators, and technicians. It is also useful for seasoned IR engineers who want to review recent technological developments. **Biomedical Image Registration Third International Workshop, WBIR 2006, Utrecht, The Netherlands, July 9-11, 2006, Proceedings** *Springer Science & Business Media* This book constitutes the thoroughly refereed post-proceedings of the Third International Workshop on Biomedical Image Registration. The 20 revised full papers and 18 revised poster papers presented were carefully reviewed and selected for inclusion in the book. The papers cover all areas of biomedical image registration; methods of registration, biomedical applications, and validation of registration. **Dosimetry in Diagnostic Radiology An International Code of Practice** This publication is intended to support those working in the field of diagnostic radiology dosimetry, both in standards laboratories involved in the calibration of dosimeters and those in clinical centres and hospitals where patient dosimetry and quality assurance measurements are of vital concern. This code of practice covers diverse dosimetric situations corresponding to the range of examinations found clinically, and includes guidance on dosimetry for general radiography, fluoroscopy, mammography, computed tomography and dental radiography. The material is presented in a practical way with guidance worksheets and examples of calculations. A set of appendices is also included with background and detailed discussion of important aspects of diagnostic radiology dosimetry. **Pheochromocytoma (PHEO) and Paraganglioma (PGL)** *MDPI* This book outlines some new advances in genetics, clinical evaluation, localization, therapy (newly including immunotherapy) of pheochromocytoma and paraganglioma including their metastatic counterparts. Well-known and experienced clinicians and scientists contributed to this book to include some novel approaches to these tumors. This book will serve to various health care professionals from different subspecialties, but mainly oncologists, endocrinologists, endocrine surgeons, pediatricians, and radiologists. This book shows that the field of pheochromocytoma/paraganglioma is evolving and a significant progress has been made in last 5 years requiring that health care professionals and scientists will learn new information and implement it in their clinical practice or scientific work, respectively. This book should not be missed by anybody who is focusing on neuroendocrine tumors, their newest evaluation and treatment. **Diseases of the Abdomen and Pelvis Diagnostic Imaging and Interventional Techniques** *Springer Science & Business Media* This syllabus provides a wide overview of the latest developments in diagnostic work and intervention in diseases of the abdomen and pelvis. In addition to conventional diagnostic radiology, special procedures such as US, CT, MRI, nuclear medicine and interventional techniques are discussed. **Dose, Benefit, and Risk in Medical Imaging** *CRC Press* This timely overview of dose, benefit, and risk in medical imaging explains to readers how to apply this information for informed decision-making that improves patient outcomes. The chapters cover patient and physician perspectives, referral guidelines, appropriateness criteria, and quantifying medical imaging benefits. The authors have included essential discussion about radiologic physics in medical imaging, fundamentals of dose and image quality, risk assessment, and techniques for optimization and dose reduction. The book highlights practical implementation aspects with useful case studies and checklists for treatment planning. Clinicians, students, residents, and professionals in medical physics, biomedical engineering, radiology, oncology, and allied disciplines will find this book an essential resource with the following key features: Discusses risk, benefit, dose optimization, safety, regulation, radiological protection, and shared & informed decision-making. Covers regulatory oversight by government agencies, manufacturers, and societies. Highlights best practices for improving patient safety and outcomes. Gives guidelines on doses associated with specific procedures. **Abdomen and Thoracic Imaging An Engineering & Clinical Perspective** *Springer Science & Business Media* The book covers novel strategies of state of the art in engineering and clinical analysis and approaches for analyzing abdominal imaging, including lung, mediastinum, pleura, liver, kidney and gallbladder. In the last years the imaging techniques have experienced a tremendous improvement in the diagnosis and characterization of the pathologies that affect abdominal organs. In particular, the introduction of extremely fast CT scanners and high Magnetic field MR Systems allow imaging with an exquisite level of detail the anatomy and pathology of liver, kidney, pancreas, gallbladder as well as lung and mediastinum. Moreover, thanks to the development of powerful computer hardware and advanced mathematical algorithms the quantitative and automated/semi automated diagnosis of the pathology is becoming a reality. Medical image analysis plays an essential role in the medical imaging field, including computer-aided diagnosis, organ/lesion segmentation, image registration, and image-guided therapy. This book will cover all the imaging techniques, potential for applying such imaging clinically, and offer present and future applications as applied to the abdomen and thoracic imaging with the most world renowned scientists in these fields. The main aim of this book is to help advance scientific research within the broad field of abdominal imaging. This book focuses on major trends and challenges in this area, and it presents work aimed to identify new techniques and their use in medical imaging analysis for abdominal imaging. **Egyptian Bioarchaeology Humans, Animals, and the Environment** Although the bioarchaeology (study of biological remains in an archaeological context) of Egypt has been documented in a desultory way for many decades, it is only recently that it has become an inherent part of excavations in Egypt. This volume consists of a series of essays that explore how ancient plant, animal, and human remains should be studied, and how, when they are integrated with texts, images, and artifacts, they can contribute to our understanding of the history, environment, and culture of ancient Egypt in a holistic manner. Topics covered in this volume relating to human remains include analyses of royal, elite and poor cemeteries of different eras, case studies on specific mummies, identification of different diseases in human remains, an overview of the state of palaeopathology in Egypt, how to analyze burials to establish season of death, the use of bodies to elucidate life stories, the potential of visceral remains in identifying individuals as well as diseases that they might have had, and a protocol for studying mummies. Faunal remains are represented by a study of a canine cemetery and a discussion of cat species that were mummified, and dendroarchaeology is represented by an overview of its potentials and pitfalls for dating Egyptian remains and revising its chronology. Leading international specialists from varied disciplines including physical anthropology, radiology, archaeozoology, Egyptology, and dendrochronology have contributed to this groundbreaking volume of essays that will no doubt provide much fodder for thought, and will be of interest to scholars and laypeople alike. **Practical Radiation Protection in Healthcare** *Oxford University Press, USA* The application of radiation to medical problems plays an ever-increasing role in diagnosis and treatment of disease. It is essential that medical physicists have the knowledge, understanding and practical skills to implement radiation protection as new techniques are developed. **Practical Radiation Protection in Healthcare** provides a practical guide for medical physicists and others involved with radiation protection in the healthcare environment. The guidance is based on principles set out in current recommendations of the International Commission for Radiological Protection and methods developed by a variety of professional bodies. Written by practitioners experienced in the field this practical reference manual covers both established techniques and new areas of application. This new edition has been fully revised and updated to cover new requirements linked to the increased knowledge of radiation effects, and the development of new technology. Each specialist area is covered in a separate chapter to allow easy reference with individual chapters being assigned to different types of non-ionising radiations. Tabulated data is included to allow the reader to carry out calculations for situations encountered frequently without reference to further texts. **Postgraduate Vascular Surgery A Candidate's Guide to the FRCS and Board Exams** *World Scientific Publishing Company* **Deep Learning in Medical Image Analysis Challenges and Applications** *Springer Nature* This book presents cutting-edge research and applications of deep learning in a broad range of medical imaging scenarios, such as computer-aided diagnosis, image segmentation, tissue recognition and classification, and other areas of medical and healthcare problems. Each of its chapters covers a topic in depth, ranging from medical image synthesis and techniques for musculoskeletal analysis to diagnostic tools for breast lesions on digital mammograms and glaucoma on retinal fundus images. It also provides an overview of deep learning in medical image analysis and highlights issues and challenges encountered by researchers and clinicians, surveying and discussing practical approaches in general and in the context of specific problems. Academics, clinical and industry researchers, as well as young researchers and graduate students in medical imaging, computer-aided-diagnosis, biomedical engineering and computer vision will find this book a great reference and very useful learning resource. **Body CT Secrets** *Mosby* The Secrets Series® is breaking new ground again! This volume presents guidelines for performing and interpreting CT studies. You'll find all of the features you rely on Secrets Series®-such as a question-and-answer format, bulleted lists, mnemonics, and tips from the authors. No matter what questions arise,

Body CT Secrets, has the answers you need. Offers a new, two-color page layout, "Key Points" boxes, and lists of useful web sites. A smaller, more portable size lets you carry it anywhere Adds a chapter containing the "Top 100 Secrets" in computed tomography

Veterinary Anatomy of Domestic Mammals Textbook and Colour Atlas *Schattauer Verlag* A revised third edition of this bestselling textbook. It contains a unique blend of text, colour photographs, imaging and diagrams describing the gross systematic and topographical anatomy of domestic mammals. Throughout the book the authors focus on anatomical relationships to clinical conditions and where appropriate, to microscopic anatomy, histology, embryology and physiology. Greatest emphasis is given to dog and cat and horse, with relevant information on ox/cow, pig, sheep, goat and rabbit. The book combines meticulous science and superb illustrations, and will be a life-long source of reference for veterinary students, practitioners, educators and researchers. MDCT From Protocols to Practice

Springer Science & Business Media "MDCT: From Protocols to Practice" tackles contemporary and topical issues in MDCT technology and applications. As an updated edition of MDCT: A Practical Approach, this volume offers new content as well as revised chapters from the previous volume. New chapters discuss important topics such as imaging of children and obese subjects, the use of contrast medium in pregnant women, coronary MDCT angiography, and PET/CT in abdominal and pelvic malignancies. Furthermore an Appendix with over 50 updated MDCT scanning protocols completes this publication. The book emphasizes the practical aspects of MDCT, making it an invaluable source of information for radiologists, residents, medical physicists, and radiology technologists in everyday clinical practice. Digital Retro The Evolution and Design of the Personal Computer *Sybex* An image-driven chronological look at the PC, from the 1970s to present day, is supplemented with critical industry milestones, screenshots of the original software designed for the original machine, and social and cultural anecdotes from PC creators. Pattern Recognition Analysis and Applications *BoD - Books on Demand* Pattern recognition continued to be one of the important research fields in computer science and electrical engineering. Lots of new applications are emerging, and hence pattern analysis and synthesis become significant subfields in pattern recognition. This book is an edited volume and has six chapters arranged into two sections, namely, pattern recognition analysis and pattern recognition applications. This book will be useful for graduate students, researchers, and practicing engineers working in the field of machine vision and computer science and engineering. Coastal Lagoon Processes *Elsevier* This is a broad-based review of the environmental, oceanographic, engineering, and management aspects of coastal lagoons summarized in a convenient single volume. A comprehensive literature review, as well as references add to the utility of this volume, creating an invaluable resource for academics, scientists, and laymen. How does MRI work? An Introduction to the Physics and Function of Magnetic Resonance Imaging *Springer Science & Business Media* A succinct introduction to the physics and function of magnetic resonance imaging with an emphasis on practical information. This thoroughly revised second edition is clearly structured. The underlying physical principles of the MR experiment are described and the basic pulse sequences commonly used in clinical MRI. It progresses to more advanced techniques such as parallel imaging and cardiovascular MR imaging. An extensive glossary offers rapid access to MRI terminology and will help those seeking to understand this interesting fascinating subject. Heart-Brain Interactions *Springer Science & Business Media* In the last decade there has been a growing interest in the study of the interactions between the heart and the brain, especially in the field of cerebral ischemia. The interactions between cardiovascular and cerebrovascular diseases are of relevance not only for research investigation, but also for clinical implications in the daily clinical practice. i.e. A wealth of information has been gathered particularly on three topics, cardiovascular consequences of cerebral injuries, cardioembolic stroke, and association of carotid and coronary artery disease. The available information, however, is still sparse and fragmentary mainly because of the lack of communication between neurologists and cardiologists. With the aim of improving communication between several disciplines and technologies, we started to organize since 1987 in Bologna, Italy, an international Symposium on heart brain interactions to be held every 3 years. Our intention was to gather prominent clinicians and researchers from outstanding cardiologic and neuro logic institutions actively involved in the study of heart-brain interactions. The ambitious goal has been to fit different pieces of information like in a puzzle. This book originates from the contributions presented at the 2nd Symposium which was held in Bologna on November 30-December 1, 1990. The book is subdivided into three sections: I cardiovascular consequences of cerebral damage, II cardiogenic cerebral ischemia, III cerebrovascular and coronary artery disease. Hip Arthroplasty Minimally Invasive Techniques and Computer Navigation *W B Saunders Company* One of the world's foremost hip surgeons guides you through his preferred techniques for both first-time and revision hip replacement surgery, including minimally invasive techniques and arthroplasty. Concise, consistently organized chapters explain exactly how to solve a full range of clinical problems. Hundreds of full-color photographs and illustrations make Dr. Dorr's winning techniques easy for you to reproduce. Plus, 2 bonus DVD-ROMs present actual video footage of many of the key surgical procedures discussed in the text. Dr. Dorr's preferred techniques for hip replacement surgery including minimally invasive procedures and arthroplasty Concise, consistently organized chapters explain exactly how to solve a full range of clinical problems. Hundreds of full-color photographs and illustrations make techniques easy to reproduce. 2 bonus DVD-ROMs present actual video footage of many of the key surgical procedures. With 3 additional contributing experts Atlas of Small Animal CT and MRI *John Wiley & Sons* Atlas of Small Animal CT & MRI is a highly illustrated diagnostic imaging guide to common clinical disorders of dogs and cats. Contains over 3,000 high quality CT, MRI and related diagnostic images Offers a unique approach emphasizing comparative imaging and pathologic correlation Focuses on important imaging features relevant to imaging diagnosis of disease in dogs and cats Written by internationally renowned experts in the field Radiation Shielding for Diagnostic X-rays *British Inst of Radiology* The Neuroscience of Mindfulness Meditation How the Body and Mind Work Together to Change Our Behaviour *Springer* This book presents the latest neuroscience research on mindfulness meditation and provides guidance on how to apply these findings to our work, relationships, health, education and daily lives. Presenting cutting-edge research on the neurological and cognitive changes associated with its practice Tang aims to explain how it reaps positive effects and subsequently, how best to undertake and implement mindfulness practice. Mindfulness neuroscience research integrates theory and methods from eastern contemplative traditions, western psychology and neuroscience, and is based on neuroimaging techniques, physiological measures and behavioural tests. The Neuroscience of Mindfulness Meditation begins by explaining these foundations and then moves on to themes such as the impact of personality and how mindfulness can shape behaviour change, attention and self-control. Finally, the book discusses common misconceptions about mindfulness and challenges in future research endeavours. Written by an expert in the neuroscience of mindfulness this book will be valuable for scholars, researchers and practitioners in psychotherapy and the health sciences working with mindfulness, as well as those studying and working in the fields of neuroscience and neuropsychology. Quality Management Audits in Nuclear Medicine Practices Quality management systems are essential and should be maintained with the intent to continuously improve effectiveness and efficiency, enabling nuclear medicine to achieve the expectations of its quality policy, satisfy its customers and improve professionalism. The quality management (QM) audit methodology in nuclear medicine practice, introduced in this publication, is designed to be applied to a variety of economic circumstances. A key outcome is a culture of reviewing all processes of the clinical service for continuous improvement in nuclear medicine practice. Regular quality audits and assessments are vital for modern nuclear medicine services. More importantly, the entire QM and audit process has to be systematic, patient oriented and outcome based. The management of services should also take into account the diversity of nuclear medicine services around the world and multidisciplinary contributions. The latter include clinical, technical, radiopharmaceutical, medical physics and radiation safety procedures. Computed Tomography Principles, Design, Artifacts, and Recent Advances *Society of Photo Optical X-ray* computed tomography (CT) continues to experience rapid growth, both in basic technology and new clinical applications. Seven years after its first edition, Computed Tomography: Principles, Design, Artifacts, and Recent Advances, Second Edition, provides an overview of the evolution of CT, the mathematical and physical aspects of the technology, and the fundamentals of image reconstruction algorithms. Image display is examined from traditional methods used through the most recent advancements. Key performance indices, theories behind the measurement methodologies, and different measurement phantoms in image quality are discussed. The CT scanner is broken down into components to provide the reader with an understanding of their function, their latest advances, and their impact on the CT system. General descriptions and different categories of artifacts, their causes, and their corrections are considered at length. Given the high visibility and public awareness of the impact of x-ray radiation, the second edition features a new chapter on x-ray dose and presents different dose reduction techniques ranging from patient handling, optimal data acquisition, image reconstruction, and post-process. Based on the advancements over the past five years, the second edition added new sections on cone beam reconstruction algorithms, nonconventional helical acquisition and reconstruction, new reconstruction approaches, and dual-energy CT. Finally, new to this edition is a set of problems for each chapter, providing opportunities to enhance reader comprehension and practice the application of covered material. Surgical Metabolism The Metabolic Care of the Surgical Patient *Springer* This volume is a comprehensive, state-of-the-art review for clinicians with an interest in the peri-operative nutritional management of all surgical patients. The text reviews normal physiology, the pathophysiology of starvation and surgical stressors, and focuses on appropriate nutritional repletion for various common disease states. Specifically, the text addresses the severe metabolic demands created by systemic inflammation, infection, and major insults such as trauma and burns. In addition, the book addresses the growing problem of obesity in surgical populations, including appropriate strategies directed towards the metabolic management of these patients. The text is designed for clinicians across levels of training and provides clear and concise evidence based guidelines for the metabolic management and nutritional support of the surgical patient. Written by experts in the field, Surgical Metabolism: The Metabolic Care of the Surgical Patient is a valuable resource for all clinicians involved in the care of the critically ill. Diagnostic Imaging for the Emergency Physician E-Book *Elsevier Health Sciences* Diagnostic Imaging for the Emergency Physician, written and edited by a practicing emergency physician for emergency physicians, takes a step-by-step approach to the selection and interpretation of commonly ordered diagnostic imaging tests. Dr. Joshua Broder presents validated clinical decision rules, describes time-efficient approaches for the emergency physician to identify critical radiographic findings that impact clinical management and discusses hot topics such as radiation risks, oral and IV contrast in abdominal CT, MRI versus CT for occult hip injury, and more. Diagnostic Imaging for the Emergency Physician has been awarded a 2011 PROSE Award for Excellence for the best new publication in Clinical Medicine. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Choose the best test for each indication through clear explanations of the "how" and "why" behind emergency imaging. Interpret head, spine, chest, and abdominal CT images using a detailed and efficient approach to time-sensitive emergency findings. Stay on top of current developments in the field, including evidence-based analysis of tough controversies - such as indications for oral and IV contrast in abdominal CT and MRI versus CT for occult hip injury; high-risk pathology that can be missed by routine diagnostic imaging - including subarachnoid hemorrhage, bowel injury, mesenteric ischemia, and scaphoid fractures; radiation risks of diagnostic imaging - with practical summaries balancing the need for emergency diagnosis against long-terms risks; and more. Optimize diagnosis through evidence-based guidelines that assist you in discussions with radiologists, coverage of the limits of "negative" or "normal" imaging studies for safe discharge, indications for contrast, and validated clinical decision rules that allow reduced use of diagnostic imaging. Clearly recognize findings and anatomy on radiographs for all major diagnostic modalities used in emergency medicine from more than 1000 images. Find information quickly and easily with streamlined content specific to emergency medicine written and edited by an emergency physician and organized by body system. Subarachnoid Hemorrhage in Clinical Practice *Springer* This pocket-sized book is a quick-reference practical guide for physicians who deal with patients with subarachnoid hemorrhage or intracranial aneurysms outside the hospital. It describes briefly the epidemiology of subarachnoid hemorrhage, the early recognition and clinical course, and in more depth the aftercare, residual symptoms and deficits. The prognosis and management in the long term are discussed in detail. It also provides information on the counselling and treatment of patients with unruptured intracranial aneurysms. Subarachnoid Hemorrhage

in Clinical Practice is aimed at general practitioners and family physicians and will also be informative for other specialists such as rehabilitation physicians, nursing home physicians, and physicians working for health insurance companies. It may also be of interest to patients, relatives, and paramedics. **CT Colonography: Principles and Practice of Virtual Colonoscopy** *Elsevier Health Sciences* In CT Colonography, Perry Pickhardt and David Kim present techniques for quicker evaluation and diagnosis of colon cancer through the pioneering, specialty-changing imaging technique of virtual colonoscopy (VC). This combination of sophisticated X-rays and CT scans of the abdomen offers patients an alternative to colonoscopy that is cost effective and reduces the need for unnecessary polyp removal. Abundantly illustrated in full color, this pioneering book describes CT colonography from pathogenesis, staging and treatment through indications, technique, and interpretation for the most common pathologies. Covers principles, techniques, and interpretations for the most common pathologies in a logical, practical organization. Presents tips from the authors on setting up a VC practice to provide a personal, instructive guide. Provides over 1000 full-color, high-resolution anatomic images throughout for the clearest, most accurate picture of colorectal cancer, its natural history, and its diagnosis by VC. Focuses on images, with the text serving as context for the proper use and understanding of VC. **Physics in Nuclear Medicine** *Elsevier Health Sciences* **Physics in Nuclear Medicine** - by Drs. Simon R. Cherry, James A. Sorenson, and Michael E. Phelps - provides current, comprehensive guidance on the physics underlying modern nuclear medicine and imaging using radioactively labeled tracers. This revised and updated fourth edition features a new full-color layout, as well as the latest information on instrumentation and technology. Stay current on crucial developments in hybrid imaging (PET/CT and SPECT/CT), and small animal imaging, and benefit from the new section on tracer kinetic modeling in neuroreceptor imaging. What's more, you can reinforce your understanding with graphical animations online at www.expertconsult.com, along with the fully searchable text and calculation tools. Master the physics of nuclear medicine with thorough explanations of analytic equations and illustrative graphs to make them accessible. Discover the technologies used in state-of-the-art nuclear medicine imaging systems Fully grasp the process of emission computed tomography with advanced mathematical concepts presented in the appendices. Utilize the extensive data in the day-to-day practice of nuclear medicine practice and research. Tap into the expertise of Dr. Simon Cherry, who contributes his cutting-edge knowledge in nuclear medicine instrumentation. Stay current on the latest developments in nuclear medicine technology and methods New sections to learn about hybrid imaging (PET/CT and SPECT/CT) and small animal imaging. View graphical animations online at www.expertconsult.com, where you can also access the fully searchable text and calculation tools. Get a better view of images and line art and find information more easily thanks to a brand-new, full-color layout. The perfect reference or textbook to comprehensively review physics principles in nuclear medicine. **Mononitrates International Symposium on Mononitrates** Montreux, Suisse, June 14-16, 1984 *Springer Science & Business Media* The nitrates have remarkable clinical effects that have stood the test of time in the management of ischemic heart disease. What is unusual about this class of compounds is that, after many years of clinical use, we are still exploring new avenues as to the vascular mechanisms of their effect, their applications in treating other clinical conditions, and the development of products with more favorable pharmacokinetic properties. This volume represents the proceedings of a symposium held June 14-16, 1984, in Montreux. The papers were selected to explore the current state of knowledge regarding the mechanisms of action, pharmacokinetics, and clinical efficacy of nitrates. Particular attention has been given to newer studies utilizing the 5-mononitrate metabolite of isosorbide dinitrate, a drug whose pharmacokinetic properties may make it an important new agent in the treatment of angina and congestive heart failure. One of the benefits of an international meeting of experts sharing their views on an internationally used group of drugs is that differences in concepts and clinical practice become apparent and can be discussed. The Montreux forum made it clear that clinicians in North and South America and Europe have diverging views on how the nitrates should be used. **Farr's Physics for Medical Imaging** *Elsevier Health Sciences* Previous ed. published as: **Physics for medical imaging** / R.F. Farr. c1997. **Veterinary Anatomy and Physiology** *BoD - Books on Demand* Knowledge of veterinary anatomy and physiology is essential for veterinary professionals and researchers. The chapters reflect the diverse and dynamic research being undertaken in a variety of different species throughout the world. Whether the animals have roles in food security, agriculture, or as companion, wild, or working animals, the lessons we learn impact on many areas of the profession. This book highlights research ranging from the cardiovascular and musculoskeletal systems, prostate and hoof, through to histopathology, imaging, and molecular techniques. It investigates both healthy and pathological conditions at differing stages of life. The importance of each cell and tissue through to the whole organism is explored alongside the methodologies used to understand these vital structures and functions. **Computed Tomography Fundamentals, System Technology, Image Quality, Applications** *John Wiley & Sons* The book offers a comprehensive and user-oriented description of the theoretical and technical system fundamentals of computed tomography (CT) for a wide readership, from conventional single-slice acquisitions to volume acquisition with multi-slice and cone-beam spiral CT. It covers in detail all characteristic parameters relevant for image quality and all performance features significant for clinical application. Readers will thus be informed how to use a CT system to an optimum depending on the different diagnostic requirements. This includes a detailed discussion about the dose required and about dose measurements as well as how to reduce dose in CT. All considerations pay special attention to spiral CT and to new developments towards advanced multi-slice and cone-beam CT. For the third edition most of the contents have been updated and latest topics like dual source CT, dual energy CT, flat detector CT and interventional CT have been added. The enclosed CD-ROM again offers copies of all figures in the book and attractive case studies, including many examples from the most recent 64-slice acquisitions, and interactive exercises for image viewing and manipulation. This book is intended for all those who work daily, regularly or even only occasionally with CT: physicians, radiographers, engineers, technicians and physicists. A glossary describes all the important technical terms in alphabetical order. The enclosed DVD again offers attractive case studies, including many examples from the most recent 64-slice acquisitions, and interactive exercises for image viewing and manipulation. This book is intended for all those who work daily, regularly or even only occasionally with CT: physicians, radiographers, engineers, technicians and physicists. A glossary describes all the important technical terms in alphabetical order. **Flooding and Environmental Challenges for Venice and Its Lagoon** *State of Knowledge* *Cambridge University Press* A technical volume exploring the prospects for decreasing the level of flooding in and around Venice. **Radiotherapy in Practice - Imaging** *Oxford University Press* Imaging is a critical component of the management of patients having radiotherapy. This book covers the basic principles of the main imaging modalities; site specific chapters give best practice for individual tumour sites, and it also contains information on radioprotection and regulatory issues. **CT of the Airways** *Springer Science & Business Media* This book offers a comprehensive review of large and small airways disorders. It begins with four introductory chapters devoted to airway physiology, anatomy, and anatomical and functional CT imaging methods. These chapters are followed by coverage of large airways disorders in adults, including airway stenoses, neoplasms, malacia and bronchiectasis. The next section examines small airways disorders in adults, including asthma, infectious and non-infectious small airways disorders, obliterative bronchiolitis, and smoking-related airway diseases. The final two chapters detail pediatric large and small airway disorders.