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Recovery Vehicle, Full Tracked Springer Science & Business Media A series of six books for Classes IX and X according to the CBSE syllabus Cardiac CT, PET and MR Ohio University Press

This book describes the basics, the challenges and the limitations of state of the art brain tumor imaging and examines in detail its impact on diagnosis and treatment monitoring. It opens with an introduction to the clinically relevant physical principles of brain imaging. Since MR methodology plays a crucial role in brain imaging, the fundamental aspects of MR spectroscopy, MR perfusion and diffusion-weighted MR methods are described, focusing on the specific demands of brain tumor imaging. The potential and the limits of new imaging methodology are carefully addressed and compared to conventional MR imaging. In the main part of the book, the most important imaging criteria for the differential diagnosis of solid and necrotic brain tumors are delineated and illustrated in examples. A closing section is devoted to the use of MR methods for the monitoring of brain tumor therapy. The book is intended for radiologists, neurologists, neurosurgeons, oncologists and other scientists in the biomedical field with an interest in neuro-oncology.

Angiography: Interventional Radiology John Wiley & Sons

Provides guidelines for obtaining high-quality mammographic images while exposing patients to reasonable amounts of radiation. Appropriate physics measurements, responsibilities, and proper as well as time-efficient measurement techniques are discussed.

Screen Film Mammography Springer

This booklet sets out referral guidelines that can be used by health professionals qualified to refer patients for imaging. It has evolved from the booklet 'Making the best use of a department of clinical radiology: guidelines for doctors' published by the Royal College of Radiologists in 1998 and can be adopted as a model for Member States. The EU Council Directive 1997/43/EURATOM declared that Member States shall promote the establishment and use of diagnostic reference levels for radiological examinations and guidance thereof. These referral guidelines can be used for that purpose. IFRS 5 Springer

The work describes a new method of sphincter salvage in surgery of rectal cancer. Low tumors of the rectum are traditionally treated with amputation of the rectum. However, this operation is not well-received by patients, since it results in a permanent colostomy. By contrast, intersphincteric resection allows sphincter salvage even in low tumors and is now widely accepted among experts in the field of colorectal surgery. The book will describe the basics (pathology, physiology, radiology) as well as the surgical technique and its different modifications. Radiopharmaceutical Chemistry Hachette Books

Sudoku Puzzle Books For Adults Like to flex your mental muscles on the go with a challenging sudoku puzzle, but don't want to carry around a big book? Then our range of large print sudoku puzzle books are ideal for you! Packed with 158 easy 9x9 large print sudoku puzzles, this easy-to-read and small 5 x 8" suduko puzzle book features a cute panda cover and provides hours of entertainment. The pocket sudoku puzzles inside are both challenging and addictive and you won't be able to put this book down! Visit our Author Page for even more of our sudoku puzzle books and large print sudoku puzzle books for seniors. 158 INDIVIDUAL SUDOKU PUZZLES: Hours of fun and entertainment to enjoy! LARGE PRINT: Large print is easy-to-read and giant grids making it simple to complete these 9x9 sudoku puzzles. EXERCISE YOUR BRAIN: Keep your brain active when you travel by completing dozens of sudoku puzzles. MAKES A GREAT GIFT: From the complete beginner to the celebrated expert, this sudoku large print book makes a great gift for mom, dad and seniors. Sudoku Puzzle Books For Adults Large Print Features 158 challenging and addictive sudoku puzzles inside 5 x 8" dimensions - small and easy to carry around in your handbag or backpack when travelling Luxuriously soft, durable, matte cover Cream paper, which is easier on the eyes than white

Elements of Acoustical Engineering Springer Science & Business Media

Neuroepidemiology covers the foundations of neuroepidemiological research and the epidemiology of disorders primarily affecting the nervous system, as well as those originating outside the nervous system. The etiology of many important central nervous system disorders remains elusive. Even with diseases where the key risk determinants have been identified, better prevention and therapy is needed to reduce high incidence and mortality. Although evolving technologies for studying disease provide opportunities for such, it is essential for researchers and clinicians to understand how best to apply such technology in the context of carefully characterized patient populations. By paying special attention to methodological approaches, this volume prepares new investigators from a variety of disciplines to conduct epidemiological studies in order to discern the etiologic factors and underlying mechanisms that influence the onset, progression, and recurrence of CNS disorders and diseases. The book also provides current information on methodological approaches for clinical neurologists seeking to expand their knowledge in research. Includes coverage of the foundations of neuroepidemiological research and the epidemiology of disorders primarily affecting the nervous system, as well as those originating outside the nervous system Describes the most recent methodologies to define and quantify the burden of CNS disorders and to understand the underlying mechanisms, with neuroimaging and molecular methods receiving particular emphasis Offers extensive blue ocean journey. Blue Ocean Shift is indispensable for anyone committed to building a compelling future. description of those neurological conditions that are secondary to other diseases whose incidence is on the rise because of longer survival rates

Features chapters authored by leaders in the field from around the globe

PET in Oncology Academic Press

This careful revision keeps pace with developments in the field, with new chapters on PET Metabolism, CT and MRI in the Emergency Department, Image-Guided Electrophysiology Mapping and Ablation, and Identification of Vulnerable Atherosclerotic Plaque by Radionuclide and CT techniques, plus the introduction of new contributors Udo Hoffman and Stephan Achenbach. Praised in its previous edition as a concise source of essential information, this new edition presents the most recent information in an accessible format and serves as an excellent reference source for all cardiologists, radiologists and nuclear medicine physicians.

Blue Ocean Strategy, Expanded Edition Russ Reeder

In describing the principles of PET, this makes for a useful resource for incorporating the technique in clinical practice. In clear and straightforward fashion, the book offers instructive information and overviews of the physical, biochemical and clinical principles of PET scanning and its routine clinical use. It serves as a reference work for specialists in nuclear medicine and for oncologists, while also providing students and physicians in other medical specialties with a general introduction to the effective integration of this modern technique in routine clinical diagnostics. Above all, it illustrates the importance of PET in comparison with other imaging techniques. Intersphincteric Resection for Low Rectal Tumors Springer Science & Business Media

Angiography is a medical imaging technique that is used to visualize the lumen of blood vessels and organs of the body, particularly the veins, arteries and heart chambers. The procedure is done by injecting a radio-opaque contrast agent into the blood stream of a patient, followed by X-ray based imaging like fluoroscopy. Depending on the area under observation, angiography can be of various types such as coronary angiography, fluorescein angiography, peripheral angiography, microangiography and post mortem CT angiography. It is done to identify narrowing vessels, visualize arterial and venous supply to the brain, visualize blood vessels and blood in the coronary arteries. This book elucidates new techniques and applications of interventional radiology in a multidisciplinary manner. It strives to provide a fair idea about angiography and to help develop a better understanding of the latest advances within this field. This book is a vital tool for all researching or studying radiology as it gives incredible insights into emerging trends and concepts.

Art, the Sublime, and Movement Springer

This book is a comprehensive guide to radiopharmaceutical chemistry. The stunning clinical successes of nuclear imaging and targeted radiotherapy have resulted in rapid growth in the field of radiopharmaceutical chemistry, an essential component of nuclear medicine and radiology. However, at this point, interest in the field outpaces the academic and educational infrastructure needed to train radiopharmaceutical chemists. For example, the vast majority of texts that address radiopharmaceutical chemistry do so only peripherally, focusing instead on nuclear chemistry (i.e. nuclear reactions in reactors), heavy element radiochemistry (i.e. the decomposition of radioactive waste), or solely on the clinical applications of radiopharmaceuticals (e.g. the use of PET tracers in oncology). This text fills that gap by focusing on the chemistry of radiopharmaceuticals, with key coverage of how that knowledge translates to the development of diagnostic and therapeutic radiopharmaceuticals for the clinic. The text is divided into three overarching sections: First Principles, Radiochemistry, and Special Topics. The first is a general overview covering fundamental and broad issues like "The Production of Radionuclides" and "Basics of Radiochemistry". The second section is the main focus of the book. In this section, each chapter's author will delve much deeper into the subject matter, covering both well established and state-of-the-art techniques in radiopharmaceutical chemistry. This section will be divided according to radionuclide and will include chapters on radiolabeling methods using all of the common nuclides employed in radiopharmaceuticals, including four chapters on the ubiquitously used fluorine-18 and a "Best of the Rest" chapter to cover emerging radionuclides. Finally, the third section of the book is dedicated to special topics with important information for radiochemists, including "Bioconjugation Methods," "Click Chemistry in Radiochemistry", and "Radiochemical Instrumentation. "This is an ideal educational guide for nuclear medicine physicians, radiologists, and radiopharmaceutical chemists, as well as residents and trainees in all of these areas.

Biomaterials and Regenerative Medicine Routledge

This book is a critical interdisciplinary approach to the study of contemporary visual culture and image studies, exploring ideas about space and place and ultimately contributing to the debates about being human in the digital age. The upward and downward pull seem in a constant contest for humanity 's attention. Both forces are powerful in the effects and affects they invoke. When tracing this iconological history, Amanda du Preez starts in the early nineteenth century, moving into the twentieth century and then spanning the whole century up to contemporary twenty-first century screen culture and space travels. Du Preez parses the intersecting pathways between Heaven and Earth, up and down, flying and falling through the concept of being "spaced out". The idea of being "spaced out" is applied as a metaphor to trace the visual history of sublime encounters that displace Earth, gravity, locality, belonging, home, real life, and embodiment. The book will be of interest to scholars working in art history, visual culture, media and cultural studies, phenomenology, digital culture, mobility studies, and urban studies.

The Australian Official Journal of Trademarks Springer Science & Business Media

NEW YORK TIMES BESTSELLER #1 WALL STREET JOURNAL BESTSELLER Blue Ocean Shift is the essential follow up to Blue Ocean Strategy, the classic and over 4 million copy global bestseller by world-renowned professors W. Chan Kim and Renee Mauborgne. Drawing on more than a decade of new work, Kim and Mauborgne show you how to move beyond competing, inspire your people's confidence, and seize new growth, guiding you step-by-step through how to take your organization from a red ocean crowded with competition to a blue ocean of uncontested market space. By combining the insights of human psychology with practical market-creating tools and real-world guidance, Kim and Mauborgne deliver the definitive guide to shift yourself, your team, or your organization to new heights of confidence, market creation, and growth. They show why nondisruptive creation is as important as disruption in seizing new growth. Blue Ocean Shift is packed with all-new research and examples of how leaders in diverse industries and organizations made the shift and created new markets by applying the process and tools outlined in the book. Whether you are a cash-strapped startup or a large, established company, nonprofit or national government, you will learn how to move from red to blue oceans in a way that builds your people's confidence so that they own and drive the process. With battle-tested lessons learned from successes and failures in the field, Blue Ocean Shift is critical reading for leaders, managers, and entrepreneurs alike. You'll learn what works, what doesn't, and how to avoid the pitfalls along the way. This book will empower you to succeed as you embark on your own

Clinical Functional MRI Cambridge University Press

Non-thermal irreversible electroporation is a new minimally invasive surgical p- cedure with unique molecular selectivity attributes — in fact it may be considered the first clinical molecular surgery procedure. Non-thermal irreversible electro- ration is a molecular selective mode of cell ablation that employs brief electrical fields to produce nanoscale defects in the cell membrane, which can lead to cell death, without an effect on any of the other tissue molecules. The electrical fields can be produced through contact by insertion of electrode needles around the undesirable tissue and non-invasively by electromagnetic induction. This new - dition to the medical armamentarium requires the active involvement and is of interest to clinical physicians, medical researchers, mechanical engineers, che- cal engineers, electrical engineers, instrumentation designers, medical companies and many other fields and disciplines that were never exposed in their training to irreversible electroporation or to a similar concept. This edited book is designed to be a comprehensive introduction to the field of irreversible electroporation to those that were not exposed or trained in the field before and can also serve as a reference manual. Irreversible electroporation is broad and interdisciplinary. Therefore, we have made an attempt to cover every one of the various aspects of the field from an introductory basic level to state of the art.

Intraoperative Imaging Harvard Business Review Press

The second, revised edition of this successful textbook provides an up-to-date description of the use of preoperative fMRI in patients with brain tumors and epilepsies. State of the art fMRI procedures are presented, with detailed consideration of practical aspects, imaging and data processing, normal and pathological findings, and diagnostic possibilities and limitations. Relevant information on brain physiology, functional neuroanatomy, imaging technique, and methodology is provided by recognized experts in these fields. Compared with the first edition, chapters have been updated to reflect the latest developments and in particular the current use of diffusion tensor imaging (DTI) and resting-state fMRI. Entirely new chapters are included on resting-state presurgical fMRI and the role of DTI and tractography in brain tumor surgery. Further chapters address multimodality functional neuroimaging, brain plasticity, and pitfalls, tips, and tricks.

Science For Ninth Class Part 2 Chemistry S. Chand Publishing

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.

Brain Tumor Imaging Harvard Business Review Press

Intraoperative imaging technologies have taken an ever-increasing role in the daily practice of neurosurgeons and the increasing attention and interest necessitated international interaction and collaboration. The Intraoperative Imaging Society was formed in 2007. This book brings together highlights from the second meeting of the Intraoperative Imaging Society, which took place in Istanbul-Turkey from June 14 to 17, 2009. Included within the contents of the book is an overview of the emergence and development of the intraoperative imaging technology as well as a glimpse on where the technology is heading. This is followed by in detail coverage of intraoperative MRI technology and sections on intraoperative CT and ultrasonography. There are also sections on multimodality integration, intraoperative robotics and other intraoperative technologies. We believe that this book will provide an up-to date and comprehensive general overview of the current intraoperative imaging technology as well as detailed discussions on individual techniques and clinical results. Clinical Applications of Cardiac CT Springer Science & Business Media

During the past few years, cardiac CT (CCT) has acquired an increasingly important role as a noninvasive imaging method that allows assessment of coronary heart disease from both the morphological and the functional standpoint. It is quickly becoming a primary clinical tool for the evaluation and follow-up of various conditions related to the heart and great vessels and is providing valuable insights into the natural history of atherosclerosis. The rapid advances in CCT technology, the advent of new clinical applications, and the acquisition of data on prognostic value are just some of the reasons for the publication of this new edition of Clinical Applications of Cardiac CT, little more than 3 years after the first edition appeared. The text has been extensively revised and updated to reflect current knowledge and practice, and the structure and layout of the educational content have also been improved. The imaging targets, semeiology, technique, and clinical applications of CCT are all covered in detail, and in addition relevant information is provided on epidemiology, clinical assessment, and the role of other diagnostic modalities. This book will prove an invaluable tool for radiologists and cardiologists alike.

Emergency Neuroradiology Cambridge University Press

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The Sub-mechanics of the Universe Andesite Press

Argues against common competitive practices while outlining recommendations based on the creation of untapped market spaces with growth potential.

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