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Salvage Therapy for Prostate Cancer

Recommendations

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An International Code of Practice for Dosimetry Based on Standards of Absorbed Dose to Water

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Manual on Control of Infection in Surgical Patients

Sources, Effects and Risks of Ionizing Radiation, United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR) 2016 Report

Atomic Radiation and Life

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Absorbed Dose Determination in External Beam Radiotherapy

An Introduction to Health Physics

Fundamentals of Radiation Dosimetry

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Clinical Dosimetry

Russian Book Art, 1904-2005

Proceedings of a Conference Held at Oak Ridge, Tennessee, October 7-10, 1980

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ESTRADA KATELYN

Salvage Therapy for Prostate Cancer Springer Science & Business Media

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Recommendations Dosimetrie in de radiologiestralingsbelasting van de patiënt en werknemers Radiation Dose from Adult and Pediatric Multidetector Computed Tomography

This book provides a comprehensive yet accessible overview of all relevant topics in the field of radiation protection (health physics). The text is organized to introduce the reader to basic principles of radiation emission and propagation, to review current knowledge and historical aspects of the biological effects of radiation, and to cover important operational topics such as radiation shielding and dosimetry. The author's website contains materials for instructors including PowerPoint slides for lectures and worked-out solutions to end-of-chapter exercises. The book serves as an essential handbook for practicing health physics professionals.

INIS Atomindex Universe Pub

This cutting-edge guide to value-based radiology provides readers with the latest information on all aspects of the subject.

Healthcare delivery is experiencing a rapid transition towards a value-based model, the underlying idea being that providers are paid on the basis of patient's health outcomes rather than the total services delivered. Radiology departments are facing many challenges as they attempt to improve operational efficiency, performance, and quality in order to keep pace with this transition. In the first part of this book, readers will find information on the theoretical basis and general concepts of value-based radiology. The second part focuses on value-based practice in specific areas of radiology: neuro/head and neck, thoracic, abdominopelvic, musculoskeletal, breast, cardiovascular, and pediatric. All topics are discussed by prominent experts in a clearly organized and well-illustrated form that will help readers to gain the most from each chapter. The

book will be a valuable resource for radiologists and healthcare managers working in public or private institutions, as well as an excellent quick reference guide for all other physicians interested in the topic.

TRIZ, Systematic Innovation and Technical Creativity CRC Press

This book reviews ionising radiation quantities and the relationships between them and discusses the principles underlying their measurement. The emphasis is on the determination of absorbed dose and related dosimetric quantities.

The Innovation Algorithm National Academies Press

Genrich Altshuller's The Innovation Algorithm is a milestone in the development of the Theory of Inventive Problem Solving (TRIZ). It is the result of more than 20 years of research and analysis. Here, Altshuller details ARIZ, TRIZ's problem solving algorithm that can produce innovation and creativity of the highest order. Saturated with profound thoughts, insights, and convincing examples, this book is regarded by many as Altshuller's magnum opus, his handbook for a creative and technological revolution. - Back cover.

INIS Atomindex United Nations

Voorts een alfabetische lijst van Nederlandsche boeken in België uitgegeven.

An International Code of Practice for Dosimetry Based on

Standards of Absorbed Dose to Water SAGE Publications Limited

This report assesses the levels and effects of exposure to ionizing radiation. Scientific findings underpin radiation risk evaluation and international protection standards. This report comprises a report with two underpinning scientific annexes. The first annex recapitulates and clarifies the philosophy of science as well as the scientific knowledge for attributing observed health effects in individuals and populations to radiation exposure, and distinguishes between that and inferring risk to individuals and populations from an exposure. The second annex reviews the latest thinking and approaches to quantifying the uncertainties in assessments of risk from radiation exposure, and illustrates these approaches with application to examples that are highly pertinent to radiation protection.

Imprint Technical Innovation Center, Inc.

This book comprehensively covers application of salvage therapy in recurrent prostate cancer. Chapters focus on specific issues associated with a range of surgical and oncological management techniques and strategies including hormone therapy, lymphnode dissection, robotic prostatectomy and salvage reirradiation after locoregional failure. Learning objectives, and definitions of keywords are provided to aid the reader develop a thorough understanding of the topic and reinforce the key points covered in each chapter. Salvage Therapy for Prostate Cancer provides a detailed practically applicable guide on how salvage therapy can be utilised in the treatment of prostate cancer. It represents a valuable resource for trainee and practicing urologists, oncologists, and specialist nurses.

From Development to Use Springer Nature

This Code of Practice, which has also been endorsed by WHO, PAHO and ESTRO, fulfils the need for a systematic and internationally unified approach to the calibration of ionization chambers in terms of absorbed dose to water and to the use of these detectors in determining the absorbed dose to water for the radiation beams used in radiotherapy. It provides a methodology for the determination of absorbed dose to water in the low, medium and high energy photon beams, electron beams, proton beams and heavy ion beams used for external radiation therapy.

Manual on Control of Infection in Surgical Patients Springer Science & Business Media

"...this report is concerned with both the design and operational aspects of veterinary radiation equipment, and matters relating to structural shielding design. While much of this material is already contained in Reports 33 and 34, this report presents the pertinent information which is applicable to the veterinary use of radiation. The NCRP believes that it is important for each radiation user in veterinary practice to be thoroughly familiar with the pertinent recommendations. If these remained embedded in the more comprehensive recommendations covering the whole radiation field, the availability of the information and the usefulness to the veterinarian would be somewhat limited. This report is intended to serve as a guide to good practice. It provides basic standards which may be used in the preparation of regulatory protection codes but is not specifically written for literal adoption as legal

regulations..." --From Preface, pages iii-iv.

Sources, Effects and Risks of Ionizing Radiation, United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR) 2016 Report CRC Press

Diagnostic errors are important in all branches of medicine because they are an indication of poor patient care. As the number of malpractice cases continues to grow, radiologists will become increasingly involved in litigation. The aetiology of radiological error is multi-factorial. This book focuses on (1) some medico-legal aspects inherent to radiology (radiation exposure related to imaging procedures and malpractice issues related to contrast media administration are discussed in detail) and on (2) the spectrum of diagnostic errors in radiology. Communication issues between the radiologists and physicians and between the radiologists and patients are also presented. Every radiologist should understand the sources of error in diagnostic radiology as well as the elements of negligence that form the basis of malpractice litigation.

Atomic Radiation and Life Lippincott Williams & Wilkins

The development of new imaging technologies that make possible faster and more accurate diagnoses has significantly improved imaging of disease and injury. This edition describes and illustrates the new techniques to prepare medical students and other radiology learners to provide the most optimal, up-to-date imaging management for their patients.

Molecular and Cellular MR Imaging Springer Science & Business Media

This book considers in depth all the factors that influence the radiation dose and the risk associated with MDCT in children and adults. Only a small proportion of referring clinicians, radiologists, and technologists are aware of both the radiation risks and their underlying mechanisms. The book proposes detailed guidelines for optimization of the radiation dose when using MDCT. It is written by experts of international standing.

Guidelines for Clinical Practice La Editorial, UPR

SPECT/CT cameras have considerably improved diagnostic accuracy in recent years based in large part on the better localization and definition of scintigraphic findings. This book covers the full spectrum of clinical applications of SPECT/CT in diagnosis and therapy planning of benign and malignant diseases. Opening chapters discuss the technology and physics of SPECT/CT and its use for dosimetry. The role of SPECT/CT in the imaging of a range of pathologic conditions is then addressed in detail. Applications covered include, among others, imaging of the thyroid, bone, and lungs, imaging of neuroendocrine tumors, cardiac scintigraphy, and sentinel node scintigraphy. Individual chapters are also devoted to therapy planning in selective internal radiation therapy of liver tumors and bremsstrahlung SPECT/CT. Readers will find this book to be an essential and up-to-date source of information on this invaluable hybrid imaging technique.

The Chernobyl Accident Springer Nature

Guidelines for the clinical practice of medicine have been proposed as the solution to the whole range of current health care problems. This new book presents the first balanced and highly practical view of guidelines--their strengths, their limitations, and how they can be used most effectively to benefit health care. The volume offers Recommendations and a proposed framework for strengthening development and use of guidelines. Numerous examples of guidelines. A ready-to-use instrument for assessing the soundness of guidelines. Six case studies exploring issues involved when practitioners use guidelines on a daily basis. With a real-world outlook, the volume reviews efforts by agencies and organizations to disseminate guidelines and examines how well guidelines are functioning--exploring issues such as patient information, liability, costs, computerization, and the adaptation of national guidelines to local needs.

Errors in Radiology Springer Science & Business Media

A illustrated survey of the career and influence of a master of design showcases some of his most famous and influential works, including the Coca-Cola bottle and truck, the package for Lucky Strike cigarettes, and the Studebaker automobile.

Russian Artist-publishers

ICRP Publication 75 reports comprehensively on the principles for the protection of workers from ionising radiation. It develops guidance on the implementation of the principles in the 1990 Recommendations of the ICRP (ICRP Publication 60), including the concepts of constraint and reference levels. The report discusses the management of occupational exposure in normal and emergency situations, in Industrial and medical contexts, and with respect to natural sources of radiation, including radon, at work. Health surveillance of workers and the management of overexposed individuals are considered. This report updates ICRP Publication 28 with respect to principles and procedures for handling emergency and accidental exposures of workers, and, by laying out the principles of monitoring for external radiation, completely replaces ICRP Publication 35. Monitoring for radionuclide contamination is also discussed. The report should also be of interest to a wide readership including all those responsible for occupational health, at operational and managerial levels, as well as regulatory bodies and professional organisations.

Absorbed Dose Determination in External Beam Radiotherapy

The ability of molecular and cellular imaging to track the survival, migration, and differentiation of cells in vivo as well as monitor particular gene expression in living subjects is rapidly moving from the research laboratory into daily clinical settings. The interdisciplinary nature of the field mandates a constant dialogue among molecular and

An Introduction to Health Physics

Fundamentals of Radiation Dosimetry

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