

Dosimetrie In De Radiologie Stralingsbelasting Van De

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ICRP Publication 75 ICRP, 1997-12-01

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.

Het tandheelkundig jaar / deel 2005 / druk 1 / GEB - C. de Baat ... et al

Modern Stereotactic Neurosurgery - L. Dade Lunsford 2012-12-06

As in any multiauthored textbook penned by When I was first approached by the publisher of this volume, Martinus Nijhoff, Boston, I writers of diverse backgrounds and interests, explored the possibility of writing a personal Modern Stereotactic Neurosurgery to some monograph on contemporary stereotactic extent suffers from incompleteness. Future surgery. After a review of available literature, volumes no doubt will include many additions several aspects became apparent. First, no cur from other authors who also are important rent, readily accessible, multiauthored text de specialists in the field. Because not all authors signed to survey the field was available. Those write in the same style (or even language), we books that were available tended to heavily have attempted to achieve a more cohesive text emphasize theory, physiology, and anatomy. in the editorial process. Each chapter has been Second, stereotactic surgeons were considered subdivided into pertinent headings for easier abstruse and for too long were relegated to a reference. Because of my own background, status outside of the mainstream of neuro some readers will note an Americanization (as surgery. This attitude probably reflected the opposed to anglicization) of the chapters. insufficient explanation of the practical uses While many chapters comprise primarily sum and advantages of stereotactic technique. maries of the authors' work within the field, Third, in recent years, the field has expanded each author was encouraged to review the liter so rapidly that it has become a major compo ature in that discipline if appropriate.

Microdosimetry - H. G. Menzel 1994

Thought Experiments in Science and Philosophy - Tamara Horowitz 1991

Despite their centrality and importance to both science and philosophy, relatively little has been written about thought experiments. This volume brings together a series of extremely interesting studies of the history, mechanics, and applications of this important intellectual resource. A distinguished list of philosophers and scientists consider the role of thought experiments in their various disciplines, and argue that an examination of thought experimentation goes to the heart of both science and philosophy.

Radiation Protection Activities - United States. Environmental Protection Agency. Office of Radiation Programs 1977

Brinkman's catalogus van boeken en tijdschriften - 1992

With 1901/1910-1956/1960 Repertoium is bound: Brinkman's Titel-catalogus van de gedurende 1901/1910-1956/1960 (Title varies slightly).

Nederlands tijdschrift voor geneeskunde - 1963-04

Neuroimaging - 2016-07-12

Neuroimaging, Part Two, a volume in The Handbook of Clinical Neurology series, illustrates how neuroimaging is rapidly expanding its reach and applications in clinical neurology. It is an ideal resource for anyone interested in the study of the nervous system, and is useful to both beginners in various related fields and to specialists who want to update or refresh their knowledge base on neuroimaging. This second volume covers imaging of the adult spine and peripheral nervous system, as well as pediatric neuroimaging. In addition, it provides an overview of the differential diagnosis of the most common imaging findings, such as ring enhancement on MRI, and a review of the indications for imaging in the most frequent neurological syndromes. The volume concludes with a review of neuroimaging in experimental animals and how it relates to neuropathology. It brings broad coverage of the topic using many color images to illustrate key points. Contributions from leading global experts are collated, providing the broadest view of neuroimaging as it currently stands. For a number of neurological disorders, imaging is not only critical for diagnosis, but also for monitoring the effect of therapies, with the entire field moving from curing diseases to preventing them. Most of the information contained in this volume reflects the newness of this approach, pointing to the new horizon in the study of neurological disorders. Provides a relevant description of the technologies used in neuroimaging, such as computed tomography, magnetic resonance imaging, positron emission tomography, and several others Discusses the application of these techniques to the study of brain and spinal cord disease Explores the indications for the use of these techniques in various syndromes

Selected Studies in History of Science - Reijer Hooykaas 1983

Archives of Radiology and Electrotherapy - 1918

Cult in Pisidia Talloen 2015-03-18

This volume is dedicated to cult in the ancient region of Pisidia. The findings of the archaeological research at the ancient city of Sagalassos are combined with the results of archaeological survey projects conducted in the region, as well as epigraphic, numismatic and iconographic studies, to create an evolutionary overview of religious practice from Alexander the Great until the rise of Christianity. Set against their indigenous background, the volume assesses the impact on local cult habits of the two acculturation processes occurring within this historical timeframe - Hellenisation and Romanisation - by examining changes and continuities in the constituent elements of religious practice, namely the pantheon of worshipped deities, the sacred space where the communication with the divine sphere took place, the cultic personnel in charge of this interaction, and the rituals involved.

Nederlands tijdschrift voor natuurkunde - 1981

Nederlandsch tijdschrift voor geneeskunde - 1954

Radiation Protection in Veterinary Medicine - National Council on Radiation Protection and Measurements 1970

"...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 veterniarian 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.

Value-based Radiology Carlos Francisco Silva 2019-11-20

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.

Absorbed Dose Determination in External Beam Radiotherapy
International Atomic Energy Agency 2000

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.
BTR - 1973

Radioactive Aerosols - Constantin Papastefanou 2011-07-28

Whenever radioactivity is released to the atmosphere, for example by the detonation of nuclear weapons or the testing of nuclear weapons or from nuclear reactor accidents that fraction of it which remains airborne for more than a few hours is liable to be attached to aerosol particles. The resulting radioactive aerosols are carried by atmospheric mixing processes until they settle out or are scavenged by precipitation. The radiation exposure pathway of maximum concern to humans is by inhalation of aerosols and their deposition in the respiratory tract. In this context, it is important to note that radioactive aerosols are commonly of natural origin also. In particular, the associated radionuclides can be of natural terrestrial origin, such as the decay products of radon gas, or they can be cosmogenic, such as beryllium-7. The exposure of miners of uranium and other ores and minerals to radon and its aerosol-borne decay products is of major significance. The book describes the formation of aerosols, their aerodynamic size distribution, their atmospheric residence time, their sampling and measurement, the range of radioactive aerosols found and studied thus far, including man-made nuclides and radon decay products and their interaction with man, including deposition in the lung and subsequent health effects. Advanced level science handbook for researchers, scientists and academics Covers all aspects of radiation exposure in humans, including subsequent health implications Presents the latest findings and analysis in this highly topical area

Archives of the Roentgen Ray 1910

Archives of the Roentgen Ray - 1902

Cyclotron Produced Radionuclides - International Atomic Energy Agency 2009

Application of radioisotopes has shown significant growth in the past decade, and a major factor contributing towards this growth is the availability of a large number of cyclotrons dedicated to the production of radioisotopes for medical applications. Although there are many articles in journals on cyclotrons and their use for radioisotope production, there is no single source of information for beginners on radioisotope production using cyclotrons. This publication attempts to address this deficiency. It contains chapters on accelerator technology, theoretical considerations of nuclear reactions, the technology behind targetry, techniques on preparation of targets, irradiation of targets under high beam currents, target processing and target recovery.

Sixth Symposium on Microdosimetry - J. Booz 1978

Towards Safer Radiotherapy - British Institute of Radiology 2010-05

World Congress on Medical Physics and Biomedical Engineering
September 7 - 12, 2009 Munich, Germany - Olaf Dössel 2010-01-01
Present Your Research to the World! The World Congress 2009 on Medical Physics and Biomedical Engineering - the triennial scientific meeting of the IUPESM - is the world's leading forum for presenting the results of current scientific work in health-related physics and technologies to an international audience. With more than 2,800 presentations it will be the biggest conference in the fields of Medical Physics and Biomedical Engineering in 2009! Medical physics, biomedical engineering and bioengineering have been driving forces of innovation and progress in medicine and healthcare over the past two decades. As new key technologies arise with significant potential to open new options in diagnostics and therapeutics, it is a multidisciplinary task to evaluate their benefit for medicine and healthcare with respect to the quality of performance and therapeutic output. Covering key aspects such as information and communication technologies, micro- and nanosystems, optics and biotechnology, the congress will serve as an inter- and multidisciplinary platform that brings together people from basic research, R&D, industry and medical application to discuss these issues. As a major event for science, medicine and technology the congress provides a comprehensive overview and in-depth, first-hand information on new developments, advanced technologies and current and future applications. With this Final Program we would like to give you an overview of the dimension of the congress and invite you to join us in Munich! Olaf Dössel Congress President Wolfgang C.
Medical Electrodynamics and Radiology - 1902

American X-ray Journal 1899

Acute Kidney Injury - From Diagnosis to Care - X. Ding 2016-02-08

Acute kidney injury (AKI) is a serious disorder in which sudden impairment of kidney function occurs secondary to one or more of a variety of underlying conditions and exposures. It is very common in (elderly) ICU patients and associated with very high mortality. Many of those who survive suffer from permanent kidney failure and other long-term morbidities. Renowned experts from around the world have contributed to this new publication, creating a succinct yet complete review of the most controversial aspects of AKI. The topics range from epidemiology and basic science to pathophysiology and clinical issues. It is intended as a concise reference work for physicians and nurses who deal with AKI in clinical nephrology and intensive care wards on a daily basis.

Fundamentals of Radiation Dosimetry - J.R Greening 2017-12-14

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.

Brain Edema XIV - Zbigniew Czernicki 2012-03-14

The XIV International Symposium on Brain Edema and Brain Tissue Injury took place in Warsaw, Poland, on 11-14 June 2008. Two prominent members of the International Society for Brain Edema: Dr. Igor Klatzo and Dr. Julien Hoff have passed away after the last 2005 Symposium in Ann Arbor, USA. Dr. Igor Klatzo was actually the founder of the Society, and the Advisory Board decided to commemorate Dr. Igor Klatzo by introducing a lecture named after him to be given at the Symposium. Prof. Dr. Hans-Jürgen Reulen has been honored to give the first Igor Klatzo lecture entitled "Bulk Flow and Diffusion revisited, and Clinical Applications". This volume contains 65 out of the 104 papers presented at the Symposium as lectures or posters. The topics of the Symposium were similar to those discussed at the previous ones. Many discussions focused on clinical work especially diagnosis, subarachnoid hemorrhage, hydrocephalus, and traumatic brain injury. Diagnosis and therapy, including surgical methods, have also been verified. Much attention was drawn to the application of decompressive craniectomy in the treatment of post-traumatic intracranial hypertension. The pathomechanisms of brain edema and tissue injury studied in experimental models have been also presented.

Radiation Dose from Adult and Pediatric Multidetector Computed Tomography - D. Tack 2007-12-31

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.

Respiratory Care: Patient Assessment and Care Plan Development

- David C. Shelledy 2014-12

For all students and clinicians assessing or caring for patients with cardiopulmonary disorders, *Respiratory Care: Patient Assessment and Care Plan Development* is a must-have resource. As the most comprehensive reference available, it is a guide to the evaluation of the patient, and the development and implementation of an appropriate, evidence-based, respiratory care plan. *Respiratory Care: Patient Assessment and Care Plan Development* describes the purpose of patient assessment and then guides the reader through the process of the reviewing existing data in the medical record, conducting the patient interview, performing the physical assessment, and finally evaluating the diagnostic studies needed and implementing a respiratory care plan. Bridging the gap between patient assessment and treatment, the reader will learn how to apply assessment skills to the development and implementation of respiratory care plans. Integrated throughout each chapter are Clinical Focus exercises, RC Insights!, and Key Points to help readers refine critical thinking and problem solving skills as well as strongly grasp important concepts. Chapter 1 Introduction to Patient Assessment Chapter 2 Development and Implementation of Respiratory Care Plans Chapter 3 Review of the Medical Record Chapter 4 Patient History Chapter 5 Physical Assessment Chapter 6 Assessment of Oxygenation Chapter 7 Assessment of Ventilation Chapter 8 Blood Gas Analysis, Hemoximetry, and Acid-Base Balance Chapter 9 Laboratory Studies Chapter 10 Cardiac Assessment and the Electrocardiogram Chapter 11 Cardiopulmonary Imaging Chapter 12 Adult Pulmonary Function Chapter 13 Bronchoscopy and Special Procedures Chapter 14 Acute and Critical Care Monitoring and Assessment Chapter 15 Obstructive Sleep Apnea Chapter 16 Neonatal and Pediatric Assessment.

Dental Caries - Ole Fejerskov 2009-03-16

The second edition of *Dental Caries: the Disease and its Clinical Management* builds on the success of the prestigious first edition to present an unrivaled resource on cariology. The clinical thrust of the first edition is widened and strengthened to include coverage of the disease in all its variety, from eruption of the first primary tooth to the prevalent forms of the disease in older patients. The centrality of caries control and management to the dental health of all populations is further emphasized, as the book goes beyond the successful treatment of carious lesions to demonstrate the long-term consequences of the non-operative and therapeutic techniques employed.

Pocket Tutor Chest X-Ray Interpretation Michael Darby 2012-04-08

Highly affordable, pocket-sized guide to Chest X-Ray Interpretation for junior doctors and medical trainees.

Errors in Radiology - Luigia Romano 2012-07-20

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.

Safety of Research Reactors - 2016

"This Safety Requirements publication establishes requirements for all main areas of safety for research reactors, with particular emphasis on requirements for design and operation. It explains the safety objectives and concepts that form the basis for safety and safety assessment for all stages in the lifetime of a research reactor. Technical and administrative requirements for the safety of new research reactors are established in accordance with these objectives and concepts, and they are to be applied to the extent practicable for existing research reactors. The safety requirements established in this publication for the management of safety and regulatory supervision apply to site evaluation, design, manufacturing, construction, commissioning, operation (including utilization and modification), and planning for decommissioning of research reactors (including critical assemblies and subcritical assemblies). The publication is intended for use by regulatory bodies and other organizations with responsibilities in these areas and in safety analysis, verification and review, and the provision of technical support." -Publisher's description.

Industrial Application of Radioisotopes - Gábor Földiák 1986

Cumulated Index Medicus - 1979

Problems in Endodontics - Michael Hülsmann 2009-01-01

Microsurgery: pt. A. AVM of the brain, history, embryology, pathological considerations, hemodynamics, diagnostic studies, microsurgical anatomy Mahmut Gazi Yaşargil 1984