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**Energy Research Abstracts -**  
1988

Carbon-Ion Radiotherapy -  
Hirohiko Tsujii 2013-12-25  
This book serves as a practical guide for the use of carbon ions in cancer radiotherapy. On the basis of clinical experience with more than 7,000 patients with various types of tumors

treated over a period of nearly 20 years at the National Institute of Radiological Sciences, step-by-step procedures and technological development of this modality are highlighted. The book is divided into two sections, the first covering the underlying principles of physics and biology, and the second section

is a systematic review by tumor site, concentrating on the role of therapeutic techniques and the pitfalls in treatment planning. Readers will learn of the superior outcomes obtained with carbon-ion therapy for various types of tumors in terms of local control and toxicities. It is essential to understand that the carbon-ion beam is like a two-edged sword: unless it is used properly, it can increase the risk of severe injury to critical organs. In early series of dose-escalation studies, some patients experienced serious adverse effects such as skin ulcers, pneumonitis, intestinal ulcers, and bone necrosis, for which salvage surgery or hospitalization was required. To preclude such detrimental results, the adequacy of therapeutic techniques and dose fractionations was carefully examined in each case. In this way, significant improvements in treatment results have been achieved and major toxicities are no longer observed. With that knowledge, experts in relevant fields

expand upon techniques for treatment delivery at each anatomical site, covering indications and optimal treatment planning. With its practical focus, this book will benefit radiation oncologists, medical physicists, medical dosimetrists, radiation therapists, and senior nurses whose work involves radiation therapy, as well as medical oncologists and others who are interested in radiation therapy.

PC Mag - 1996-03-26

PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

*Gamma Knife Neurosurgery in the Management of Intracranial Disorders* - Mikhail Chernov 2013-02-15

The articles in this volume cover the various options of the optimal management of brain tumors, vascular lesions, and functional disorders. They

provide a good balance between microneurosurgery and radiosurgery, presenting also alternative surgical and radiosurgical treatment options with discussions on their advantages and disadvantages. The presentation of multiple treatment methods will help to provide better service to patients. Some papers, specifically highlighting alternative treatment options, are accompanied by editorials prepared by recognized experts in the field. Additional emphasis is put on importance of the advanced neuroimaging techniques for radiosurgical treatment planning and subsequent follow-up.

**PC Mag** - 1998-11-03

PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

Handbook of Research on Green ICT: Technology,

Business and Social Perspectives - Unhelkar, B. 2010-10-31

"This handbook coalesces worldwide investigations, thoughts, and practices in the area of Green ICT, covering the technical advances, methodological innovations, and social changes that result in enhancements and improvements in business strategies, social policies, and technical implementations"--

Provided by publisher.

*PC Mag* - 1997-01-21

PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

**Aviation Week & Space Technology** - 1991

*PC Mag* - 1992-08

PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the

latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

*Use of Services for Family Planning and Infertility, United States* - Gerry E. Hendershot 1988

*PC Mag* - 1995-01-24  
PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

**Popular Photography** - 1981-02

*Modeling for Prediction of Radiation-Induced Toxicity to Improve Therapeutic Ratio in the Modern Radiation Therapy Era* - Ester Orlandi 2021-07-27

**Transferring Technologies for the Hardwood Industry** - Christopher W. Murdoch

1994-03-01

Four publications in one volume: (1) detection system to identify wetwood in standing living trees & in cut logs & boards; (2) external & internal defect detection to optimize cutting of hardwood logs & lumber; (3) novel technology for processing logs & boards or other value-added wood products; & (4) alternatives to petroleum-based biocides for protecting hardwood lumber & manufactured products.

Charts, tables & drawings.

**Cardiovascular Computed Tomography** - James Stirrup 2020-01-02

Recent years have seen a marked increase in cardiovascular computed tomography (CT) imaging, with the technique now integrated into many imaging guidelines, such as those published by ESC and NICE. Rapid clinical and technological progress has created a need for guidance on the practical aspects of CT image acquisition, analysis and interpretation. The Oxford Specialist Handbook of Cardiovascular CT, now revised

for the second edition by practising international experts with many years of hands-on experience, is designed to fulfil this need. The Handbook is a practical guide on performing, analysing and interpreting cardiovascular CT scans, covering all aspects from patient safety to optimal image acquisition to differential diagnoses of tricky images. It takes an international approach to both accreditation and certification, highlighting British, European, and American examinations and courses. The format is designed to be accessible and is laid out in easy to navigate sections. It is meant as a quick-reference guide, to live near the CT scanner, workstation, or on the office shelf. The Handbook is aimed at all cardiovascular CT users (Cardiologists, Radiologists and Radiographers), particularly those new to cardiovascular CT, although even the advanced user should find useful tips and tricks within.

*PC Mag* - 1996-08

PCMag.com is a leading

authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

**Predicasts Technology Update** - 1991

PC Mag - 1994-09-27

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**InfoWorld** - 1987-06-15

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

*Clinical PET-CT in Radiology* - Paul Shreve 2010-12-14

This book is specifically designed to meet the needs of

practicing radiologists by offering a practical, unified approach to PET-CT. It details how to effectively apply PET-CT in patient management. Written by radiologists who fully appreciate and understand both PET and CT, the book details an integrated understanding of PET-CT as a combined modality. Clinical topics include PET-CT of thoracic malignancies, melanoma, and breast cancer. In addition, the book reinforces fundamental concepts, such as the role of imaging diagnosis in disease management.

*InfoWorld* - 1984-02-06

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

**PC Mag** - 1996-08

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decisions and get more from technology.

Managing Office Technology - 1997

*PC Mag* - 1997-08

PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

Handbook of Radiotherapy Physics - Philip Mayles  
2021-12-31

From the essential background physics and radiobiology to the latest imaging and treatment modalities, the updated second edition of Handbook of Radiotherapy Physics: Theory & Practice covers all aspects of the subject. In Volume 1, Part A includes the Interaction of Radiation with Matter (charged particles and photons) and the Fundamentals of Dosimetry with an extensive section on small-field physics. Part B covers Radiobiology with

increased emphasis on hypofractionation. Part C describes Equipment for Imaging and Therapy including MR-guided linear accelerators. Part D on Dose Measurement includes chapters on ionisation chambers, solid-state detectors, film and gels, as well as a detailed description and explanation of Codes of Practice for Reference Dose Determination including detector correction factors in small fields. Part E describes the properties of Clinical (external) Beams. The various methods (or 'algorithms') for Computing Doses in Patients irradiated by photon, electron and proton beams are described in Part F with increased emphasis on Monte-Carlo-based and grid-based deterministic algorithms. In Volume 2, Part G covers all aspects of Treatment Planning including CT-, MR- and Radionuclide-based patient imaging, Intensity-Modulated Photon Beams, Electron and Proton Beams, Stereotactic and Total Body Irradiation and the use of the dosimetric and

radiobiological metrics TCP and NTCP for plan evaluation and optimisation. Quality Assurance fundamentals with application to equipment and processes are covered in Part H. Radionuclides, equipment and methods for Brachytherapy and Targeted Molecular Therapy are covered in Parts I and J, respectively. Finally, Part K is devoted to Radiation Protection of the public, staff and patients. Extensive tables of Physical Constants, Photon, Electron and Proton Interaction data, and typical Photon Beam and Radionuclide data are given in Part L. Edited by recognised authorities in the field, with individual chapters written by renowned specialists, this second edition of Handbook of Radiotherapy Physics provides the essential up-to-date theoretical and practical knowledge to deliver safe and effective radiotherapy. It will be of interest to clinical and research medical physicists, radiation oncologists, radiation technologists, PhD and Master's students.

PC Mag - 1997-11-04

PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

Law Office Technology Review  
- 1989

*Cardiac CT* - Marc Dewey  
2010-11-16

Computed tomography of the heart has become a highly accurate diagnostic modality that is attracting increasing attention. This extensively illustrated book aims to assist the reader in integrating cardiac CT into daily clinical practice, while also reviewing its current technical status and applications. Clear guidance is provided on the performance and interpretation of imaging using the latest technology, which offers greater coverage, better spatial resolution, and faster imaging. The specific features of scanners from all

four main vendors, including those that have only recently become available, are presented. Among the wide range of applications and issues to be discussed are coronary artery bypass grafts, stents, plaques, and anomalies, cardiac valves, congenital and acquired heart disease, and radiation exposure. Upcoming clinical uses of cardiac CT, such as plaque imaging and functional assessment, are also explored.

**Abdominal Imaging E-Book** - Dushyant V Sahani 2010-10-29  
Abdominal Imaging, a title in the Expert Radiology Series, edited by Drs. Dushyant Sahani and Anthony Samir, is a comprehensive reference that encompasses both GI and GU radiology. It provides richly illustrated, advanced guidance to help you overcome the full range of diagnostic, therapeutic, and interventional challenges in abdominal imaging and combines an image-rich, easy-to-use format with the greater depth that experienced practitioners need. Select the best imaging

approaches and effectively interpret your findings by comparing them to thousands of images that represent every modality and every type of abdominal imaging. Find detailed, expert guidance on all diagnostic, therapeutic, and interventional aspects of abdominal imaging in one authoritative source, including challenging topics such as Oncologic Assessment of Tumor Response and How to Scan a Difficult Patient. Efficiently locate the information you need with a highly templated, well-organized, at-a-glance organization.

[InfoWorld](#) - 1996-09-16

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

**PC Mag** - 1998-09-01

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and practical solutions help you make better buying decisions and get more from technology.

*Clinical Radiation Oncology E-Book* - Leonard L. Gunderson  
2015-06-16

Perfect for radiation oncology physicians and residents needing a multidisciplinary, treatment-focused resource, this updated edition continues to provide the latest knowledge in this consistently growing field. Not only will you broaden your understanding of the basic biology of disease processes, you'll also access updated treatment algorithms, information on techniques, and state-of-the-art modalities. The consistent and concise format provides just the right amount of information, making *Clinical Radiation Oncology* a welcome resource for use by the entire radiation oncology team. Content is templated and divided into three sections -- Scientific Foundations of Radiation Oncology, Techniques and Modalities, and Disease Sites - for quick access to information. Disease Sites

chapters summarize the most important issues on the opening page and include a full-color format, liberal use of tables and figures, a closing section with a discussion of controversies and problems, and a treatment algorithm that reflects the treatment approach of the authors. Chapters have been edited for scientific accuracy, organization, format, and adequacy of outcome data (such as disease control, survival, and treatment tolerance). Allows you to examine the therapeutic management of specific disease sites based on single-modality and combined-modality approaches. Features an emphasis on providing workup and treatment algorithms for each major disease process, as well as the coverage of molecular biology and its relevance to individual diseases. Two new chapters provide an increased emphasis on stereotactic radiosurgery (SRS) and stereotactic body irradiation (SBRT). New Associate Editor, Dr. Andrea

Ng, offers her unique perspectives to the Lymphoma and Hematologic Malignancies section. Key Points are summarized at the beginning of each disease-site chapter, mirroring the template headings and highlighting essential information and outcomes. Treatment algorithms and techniques, together with discussions of controversies and problems, reflect the treatment approaches employed by the authors. Disease Site Overviews allow each section editor to give a unique perspective on important issues, while online updates to Disease Site chapters ensure your knowledge is current. Disease Site chapters feature updated information on disease management and outcomes. Thirty all-new anatomy drawings increase your visual understanding. Medicine eBook is accessible on a variety of devices.  
*PC Mag* - 1998-10-20  
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independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

*Commerce Business Daily* - 1998-10

### **Coronary CT Angiography** -

Marc Dewey 2008-10-14  
Coronary CT angiography has attained increasing scientific attention at academic institutions and has become a highly accurate diagnostic modality. Extending this knowledge into a practice setting is the purpose of "Coronary CT Angiography". This book will assist you in integrating cardiac CT into your daily practice, while also giving an overview of the current technical status and applications. The specific features of scanners from all four main vendors are also presented providing an objective overview of noninvasive coronary angiography using CT.

PC Mag - 1996-03-12

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*PC Mag* - 1997-01-21

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*PC Mag* - 1989-05-16

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**XIII Mediterranean  
Conference on Medical and**

## **Biological Engineering and Computing 2013** - Laura M. Roa Romero 2013-10-01

The general theme of MEDICON 2013 is "Research and Development of Technology for Sustainable Healthcare". This decade is being characterized by the appearance and use of emergent technologies under development. This situation has produced a tremendous impact on Medicine and Biology from which it is expected an unparalleled evolution in these disciplines towards novel concept and practices. The consequence will be a significant improvement in health care and well-fare, i.e. the shift from a reactive medicine to a preventive medicine. This shift implies that the citizen will play an important role in the healthcare delivery process, what requires a comprehensive and personalized assistance. In this context, society will meet emerging media, incorporated to all objects, capable of providing a seamless, adaptive, anticipatory, unobtrusive and

pervasive assistance. The challenge will be to remove current barriers related to the lack of knowledge required to produce new opportunities for all the society, while new paradigms are created for this inclusive society to be socially and economically sustainable, and respectful with the environment. In this way, these proceedings focus on the convergence of biomedical engineering topics ranging from formalized theory through experimental science and technological development to practical clinical applications. *Biomedical Informatics and Technology* - Tuan D. Pham 2014-04-07

This book constitutes the refereed proceedings of the First International Conference on Biomedical Informatics and Technology, ACBIT 2013, held in Aizu-Wakamatsu, Japan, in September 2013. The ??? revised full papers presented together with 14 keynotes and invited talks were carefully reviewed and selected from 48 submissions. The papers address important problems in

medicine, biology and health using image analysis, computer vision, pattern analysis and classification, information visualization, signal processing, control theory, information theory, statistical analysis, information fusion, numerical analysis, fractals and chaos,

optimization, simulation and modeling, parallel computing, computational intelligence methods, machine learning, data mining, decision support systems, database integration and management, cognitive modeling, and applied linguistics.