

The Physics of Radiation Therapy / 2012 / 9781451149135 / 592 pages / Faiz M. Khan / Lippincott Williams & Wilkins, 2012

needs for a dedicated book on Radiation Therapy Physics with emphasis on practical details. The popularity of the book is evidence enough that it has succeeded in keeping the promise. In the present edition, Dr. Gibbons has updated the content. Besides, it is also the percentage surface dose of photons decreases with energy [5]. In high energy photon therapy, the surface dose can be increased to the level needed as well as reducing the dose to the healthy tissue by using a compensation tissue which comes in contact with the patient's surface [6]. The main purpose of radiotherapy treatment is to kill. The book is divided into two parts: the first covers underlying principles of physics, and the second is a systematic review by tumour site concentrating on the role of radiotherapy in the treatment of malignant disease and setting its use in context with chemotherapy and surgery. The 7th edition continues the tradition of bringing the physics and clinical application of radiation for therapy together at entry level and is completely revised to take into account the huge technological advances in radiotherapy treatment since publication of the previous edition. *Imaging is now an essential part of Image-Guided Radiation Therapy: A Clinical Perspective Editors Arno J. Mundt, MD Department of Radiation Oncology University of Michigan Intensity-Modulated Radiation Therapy. INTENSITY-MODULATED RADIATION THERAPY Series in Medical Science Series Editors: CG Orton, Karmanos Cancer Institute and Advances in Radiation Therapy. ETHICAL ISSUES IN CANCER PATIENT CARE SECOND EDITION Cancer Treatment and Research Steven T. Rosen, M.D., Series Editor Physics of Astrophysics I. Radiation. Image-Guided Radiation Therapy of Prostate Cancer. about the book Answering the need that exists for a single reference to add This book is a concise and well-illustrated review of the physics and biology of radiation therapy intended for radiation oncology residents, radiation therapists, dosimetrists, and physicists. It presents topics that are included on the Radiation Therapy Physics and Biology examinations and is designed with the intent of presenting information in an easily digestible format with maximum retention in mind. The inclusion of mnemonics, rules of thumb, and reader-friendly illustrations throughout the book help to make difficult concepts easier to grasp. Basic Radiotherapy Physics and Biology is a