Radiation Oncology Physics: A Handbook for Teachers and Students, International Atomic Energy Agency, 2005, 2005, International Atomic Energy Agency, 9789201073044, 657 pages

This book, published in 2005 by the International Atomic Energy Agency, is a comprehensive compendium of all of the topics that should be covered by a radiation oncology physics course, from basic physics to dosimetry, commissioning and quality assurance of equipment, treatment planning and radiation protection and safety. It has an extensive section on brachytherapy, some basic radiation biology and a chapter on special procedures and techniques.Â Cite this article. Rosenberg, I. Radiation Oncology Physics: A Handbook for Teachers and Students. Br J Cancer 98, 1020 (2008). https://doi.org/10.1038/sj.bjc.6604224. Download citation. This article reviews Radiation Oncology Physics: A Handbook for Teachers and Students by E. B. Podgorsak . , Vienna, Austria, 2005. ISBN 92-0-107304-6 (paperback), 657 pp. Price: â‚¬65.00.Â Monte Carlo codes have been used for approximately 80 years to solve various problems in medical physics. In this paper, the importance of the MCNPX code in treatment planning is highlighted. As illustrative examples of the role of MCNPX in this field, some dosimetric parameters, isodose distribution curves, and figures of merit (FOMs) were considered for photon beams of various energies. This book is dedicated to students and teachers involved in programmes that train professionals for work in radiation oncology. It provides a compilation of facts on the physics as applied to radiation oncology and as such will be useful to graduate students and residents in medical physics programmes, to residents in radiation oncology, and to students in dosimetry and radiotherapy technology programmes. The level of understanding of the material covered will, of course, be different for the various student groups; however, the basic language and knowledge for all student groups will be the s @article{Rosenberg2008RadiationOP, title={Radiation Oncology Physics: A Handbook for Teachers and Students}, author={I. Rosenberg}, journal={British Journal of Cancer}, year={2008}, volume={98}, pages={1020 - 1020} }. I. Rosenberg. Published 2008. Medicine, Physics.Â This book, published in 2005 by the International Atomic Energy Agency, is a comprehensive compendium of all of the topics that should be covered by a radiation oncology physics course, from basic physics to dosimetry, commissioning and quality assurance of equipment, treatment planning and radiation protection and safety. It has an extensive section on brachytherapy, some basic radiation biology and a chapter on special procedures and techniques. As a handbook, as opposed to a textbook, itâ€¦ Book Publishing WeChat. (or Email:book@scirp.org). Article citations. More>>. Podgorsak, E.B. (2005) Radiation Oncology Physics: A Handbook for Teachers and Students. IAEA, Vienna. has been cited by the following article: TITLE: Partial Quality Assessment of 60Co-Teletherapy Machine Performance. AUTHORS: Mohammed A. Ali Omer. KEYWORDS: 60Co-Quality, Control, Teletherapy, Radiotherapy, Assurance. JOURNAL NAME: Open Journal of Radiology, Vol.5 No.4, December 25, 2015. ABSTRACT: The aim of this study was to assess the performance of 60Co-teletherapy unit at Radiation and Isotopes Center in