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## Radiation Oncology Physics: A Handbook for Teachers and Students

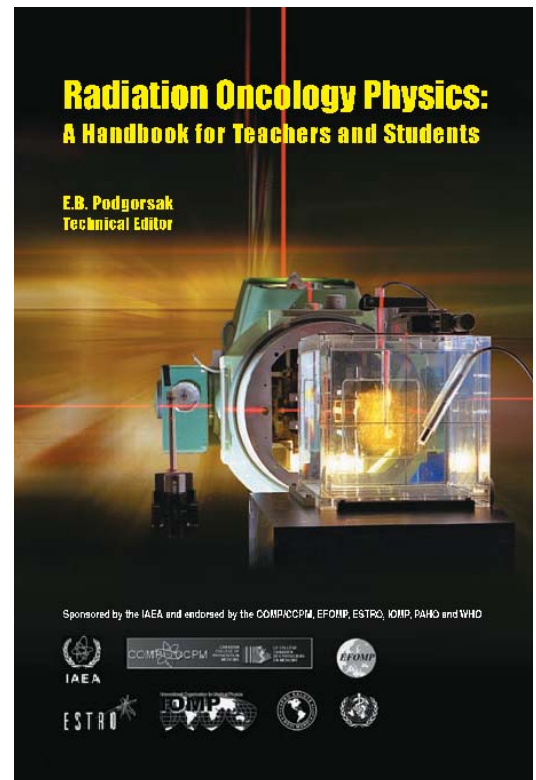
E. B. Podgorsak

This publication is aimed at students and teachers involved in programmes that train professionals for work in radiation oncology. It provides a comprehensive overview of the basic medical physics knowledge required in the form of a syllabus for modern radiation oncology.

It will be particularly useful to graduate students and residents in medical physics programmes, to residents in radiation oncology, as well as to students in dosimetry and radiotherapy technology programmes. It will assist those preparing for their professional certification examinations in radiation oncology, medical physics, dosimetry or radiotherapy technology. It has been endorsed by several international and national organizations and the material presented has already been used to define the level of knowledge expected of medical physicists worldwide.

*"All the chapters and sections have been very well organized and structured specifically from the viewpoint of presenting lectures on the fundamental concepts of modern radiation therapy physics... the book successfully fills the gap in the teaching material for the speciality of medical physics, and does so in a single manageable volume with a logical, well-thought-out structure for presenting and learning modern radiation therapy physics."*

Stanley H. Benedict,  
Virginia Commonwealth University



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Study Guide for Medical Physics for Radiation Oncology. Last verified on January 3, 2020. Download this study guide in printable .pdf format. This exam tests your knowledge of the principles of radiation and cancer biology underlying the practice of radiation oncology. Included are questions on the general domains listed below. Exam performance will be reported to you based on an overall pass/fail grade, with specific information provided regarding quintile performance in the 10 individual domains.Â Podgorsak EB. Radiation Oncology Physics: A Handbook for Teachers and Students. Vienna, Austria: International Atomic Energy Agency; 2005. Hendee WR, Ibbott GS, and Hendee EG. Radiation Therapy Physics. Hoboken, NJ: Wiley-Liss; 2005. Khan FM and Gibbons JP.