

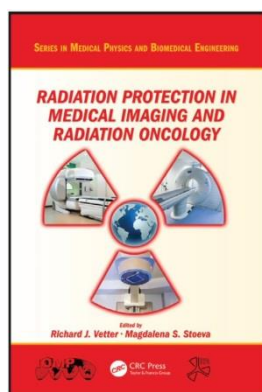
BOOK REVIEW

“*RADIATION PROTECTION IN MEDICAL IMAGING AND RADIATION ONCOLOGY*”

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The new book from the CRC Series on Medical Physics and Biomedical Engineering is *Radiation Protection in Medical Imaging and Radiation Oncology* (Editors R J Vetter and M Stoeva). The book presents a unique view on the subject. It is written by experts in the field – collaboration between IOMP and IRPA. This unique book lists the Radiation Protection issues, structures and activities in almost all countries in the world.

The Content and Structure of the book are excellent. These are really necessary for a book with such coverage and volume. The book will be very useful reference for various specialists for many years ahead.

The book has over 430 pages, separated in 20 Chapters:

The following chapters present the RP roles, policies and activities of various International Organisations:

Chapter 14 - the International Atomic Energy Agency (IAEA)

Chapter 15 – the World Health Organisation (WHO);

Chapters 1 and 2 are Introductory (IOMP and IRPA) - setting the international scene on the subject.

Chapter 3 presents the Radiation Protection (RP) philosophy - the background, the history and the philosophy of RP in healthcare. This is a condensed chapter written in very clear language.

Chapter 4 gives an overview of Medical Health Physics, listing the main areas of medicine where radiation is used and the main RP issues related with this.

Chapter 5 presents details of RP in Diagnostic Radiology, listing specific RP measures in this area; facilities design and shielding; equipment commissioning, maintenance and decommissioning; policies and procedures; designation of areas; dose assessment; protection of patients and staff, etc.

Chapter 6 presents details of RP in Nuclear Medicine, again listing specific RP measures in this area; discussing similar issues plus considerations in radionuclide therapy

Chapter 7 presents details of RP in Radiation Oncology, covering the fields of External beam therapy and Brachytherapy

The following unique chapters set the scene of RP around the world:

Chapter 8 presents the regulatory structures and issues in Africa;

Chapter 9 – the same for Asia and Oceania;

Chapter 10 – the same for the European Union;

Chapter 11 – the same for the Middle East;

Chapter 12 – the same for North America;

Chapter 13 – the same for Latin America;

Chapter 16 – the International Organization for Medical Physics (IOMP);

Chapter 17 - the International Union for Physical and Engineering Sciences in Medicine (IUPESM)

Chapter 18 discusses some RP education and training activities in the international arena;

Chapter 19 discusses medical exposures - adverse consequences and unintended exposures

Chapter 20 discusses the informed consent in Radiation Medicine practice and research

The book includes appendices and extended index.

Throughout this book the reader will find lots of data, tables and diagrams. This is an excellent reference which will be useful in all medical physics departments. It will be good if the book would be regularly updated and re-published (e.g. at 10 years), thus keeping an eye on the global progress in this field.