Radiation Protection in Medical Radiography, 5e

Kelli Haynes MSRS RT(R), Mary Alice Statkiewicz Sherer AS RT(R) FASRT, Paula J. Visconti PhD DABR, E. Russell Ritenour PhD DABR FAAPM FACR
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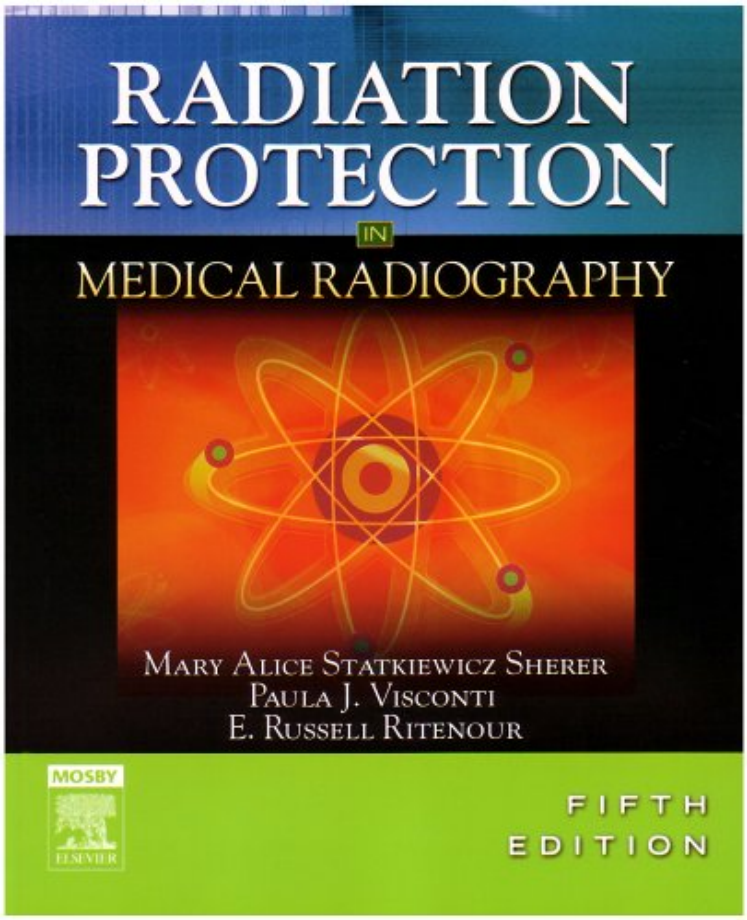

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Kelli Haynes MSRS RT(R), Mary Alice Statkiewicz Sherer AS RT(R) FASRT, Paula J. Visconti PhD DABR, E. Russell Ritenour PhD DABR FAAPM FACR : Radiation Protection in Medical Radiography, 5e before purchasing it in order to gage whether or not it would be worth my time, and all praised Radiation Protection in Medical Radiography, 5e:

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in the book.

This easy-to-read text offers essential information on radiation protection and the biological effects of ionizing radiation, to ensure its safe medical use. Building from basic to more complex concepts, this book also presents radiation physics, cell structure, effects of radiation on humans at the cellular and systemic levels, regulatory and advisory limits for human exposure to radiation, and the implementation of patient and personnel radiation protection practices.Readability of text major concepts are concisely stated, and physics material is very easy to understand. Full-color text and art program enhances and reinforces important elements. Student-friendly features includes objectives, key terms, chapter outlines, review questions, discussion questions, chapter summaries, and a glossary. Hundreds of illustrations, graphs, tables, and boxes convey critical information. Historical perspective provides photos and text on Hiroshoma, Chernobyl, and Three-Mile Island, explaining the effects of low-level ionizing radiation and demonstrating the link between radiation and cancer and other diseases. Timely coverage of radiation protection regulations covers world, federal, and organizational guidelines and regulations for radiation protection. Coverage of guidelines, regulations, and radiation quantities and units includes the most up-to-date information available from the National Council on Radiation Protection and Measurements (NCRP) and the International Commission of Radiological Protection (ICRP).New chapter on protection from radioactive materials present in the medical environment, including a discussion of implications for medical personnel of treating victims of a "dirty bomb." Implications of direct and computed radiography for overexposure of patients to ionizing radiation. Updated discussion about radiation protection for PET/CT and C-arm fluoroscopy. Discussion questions supplement multiple-choice review questions. Improved readability with text sections adding more subheadings.

About the AuthorMary Alice Statkiewicz Sherer, AS, RT(R), FASRT, Radiography Instructor, High-Tech Institute, Nashville, Tennessee; Paula J. Visconti, PhD, Director of Medical Physics, Radiation Safety Officer, Memorial Hospital of Burlington County, Mount Holly, NJ; and E. Russell Ritenour, PhD, Professor and Director of Physics Section, Department of Radiology, University of Minnesota School of Medicine, Minneapolis, MN