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Radiation Protection in Diagnostic X-Ray Imaging (Hardback)

By Euclid Seeram, Patrick C. Brennan

Jones and Bartlett Publishers, Inc, United States, 2016. Hardback. Book Condition: New. 231 x 185 mm. Language: English . Brand New Book. Radiation protection in diagnostic imaging is an integral part of the education and skill-set of radiologic technologists who play a significant role in the optimization of the radiation dose to the population. Radiation Protection in Diagnostic X-Ray Imaging provides students and clinicians with the knowledge and tools to protect not only the patient, but personnel and members of the public as well. This comprehensive text reviews the critical issues in radiologic protection and presents these key topics regarding medical physics in an accessible manner for clinicians, radiographers, and other health professionals. Radiation Protection in Diagnostic X-Ray Imaging covers the recent developments that have been introduced to address the increasing dose to the patient and new assessment tools for use in dose optimization studies. This accessible text includes an overview of the biological effects of radiation exposure, outlines the fundamental physical principles and technical aspects of radiation protection, as well as current regulatory and guidance recommendations for radiation protection in diagnostic imaging. Unique topics and coverage includes: radiation protection organizations, dose in digital radiography, dose in computed tomography, image...



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