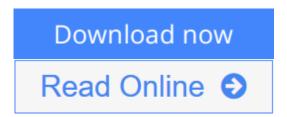


Review of Radiologic Physics

By Walter Huda MD



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Now revised to reflect the new, clinically-focused certification exams, **Review of Radiological Physics**, **Fourth Edition**, offers a complete review for radiology residents and radiologic technologists preparing for certification. This new edition covers x-ray production and interactions, projection and tomographic imaging, image quality, radiobiology, radiation protection, nuclear medicine, ultrasound, and magnetic resonance – all of the important physics information you need to understand the factors that improve or degrade image quality. Each chapter is followed by 20 questions for immediate self-assessment, and two end-of-book practice exams, each with 100 additional questions, offer a comprehensive review of the full range of topics.

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- Mirrors the current clinically relevant focus of the certification exams the key information radiologists need to know to perform their clinical duties.
- Brand new, full color illustrations throughout the book enhance the learning experience
- Focuses on the radiological physics of x-rays (projection radiography, fluoroscopy, and CT), as well as nuclear medicine, ultrasound, and MR.
- Includes only the essential information needed to understand how images are created, aspects that impact image quality, and factors that affect radiation risks and costs.
- Features **helpful appendices** such as a summary of SI units, radiological units and photometric quantities, and more.
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Review of Radiologic Physics By Walter Huda MD Bibliography

• Sales Rank: #89317 in Books

• Brand: imusti

Published on: 2016-03-04Original language: English

- Number of items: 1
- Dimensions: .50" h x 7.00" w x 10.00" l, .0 pounds
- Binding: Paperback
- 336 pages

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Review

'Thorough, topical reviews cover the foundations and quality aspects of imaging with x-rays (all modalities), ultrasound, and MR'

'a review of clinically relevant aspects of radiologic physics that radiologists and radiologic technologists need to know'

'conforms to the recent changes in American Board of Radiology examinations'

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