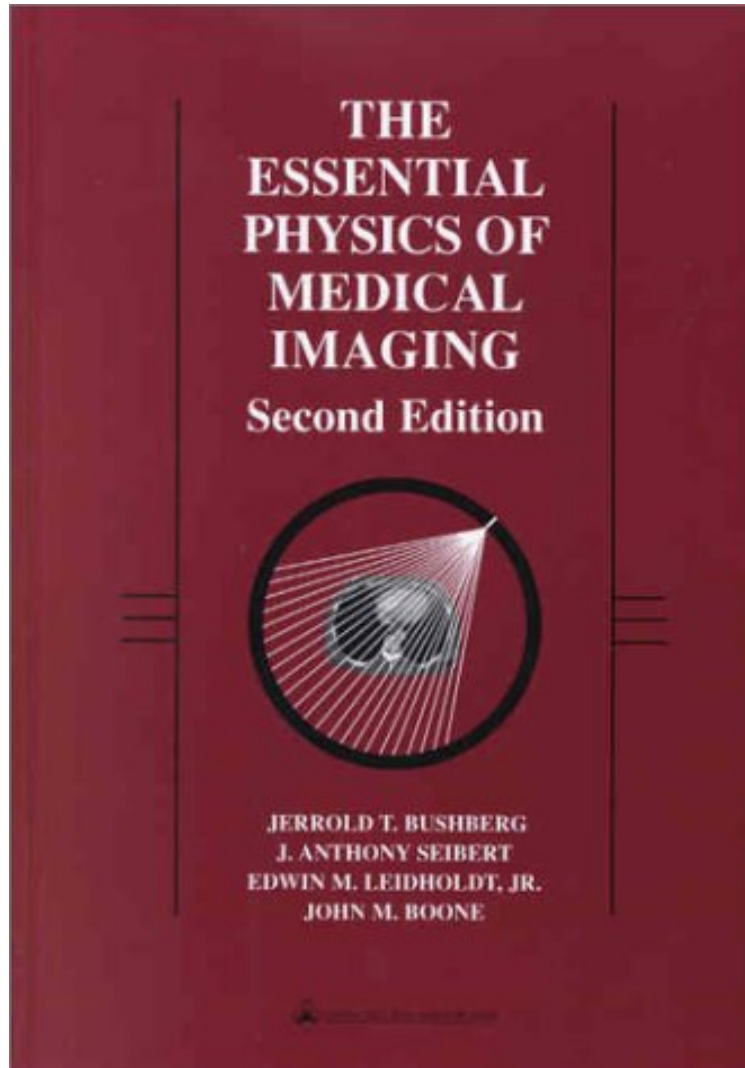


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## The Essential Physics of Medical Imaging (2nd Edition)

*Jerrold T. Bushberg, J. Anthony Seibert, Edwin M. Leidholdt Jr., John M. Boone*  
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reviewers have commented. The addition of many graphs images makes the complex subjects much more approachable easily understood. More importantly, the authors have taken great pains to make the discussions clinically relevant to the general radiologist. The authors are leaders in their respective fields, and this book is the de facto standard for medical imaging physics in the academic radiology community. Ideally, the book should be read throughout first second years of residency for comprehension with the opportunity for reinforcement with knowledgeable medical physicists and/or staff radiologists. However, even if (or especially if) you're lacking the latter, the book provides a comprehensive treatment of every relevant physics subject needed to succeed on the Core exam. This book serves well as a primary reference throughout the general radiology residency and should be the starting point for Core exam physics preparation. I found re-reading the book indispensable for board preparation and it served best when used as a reference to explore questions from other sources (i.e., Huda, RAPHEX exams, UCD physics course by the authors, RSNA modules etc.). A few of the more complex and evolving imaging techniques in MRI (e.g., phase-contrast, SWI, functional MRI) may require supplemental reading, but even these areas are treated adequately for a basic understanding. Finally, with the revisions made in this updated edition, skimming the graphs/figures also made for a useful last minute physics review before the test. 0 of 0 people found the following review helpful. more of a reference text no way i was able ...By medicalninja more of a reference text no way i was able to read all of this to prep for my radiology post grad exams 0 of 0 people found the following review helpful. ummm what? By Nikita Joshi I dont even know what the hell was going on when I was reading this

Developed from the authors' highly successful annual imaging physics review course, this new Second Edition gives readers a clear, fundamental understanding of the theory and applications of physics in radiology, nuclear medicine, and radiobiology. The Essential Physics of Medical Imaging, Second Edition provides key coverage of the clinical implications of technical principles--making this book great for board review. Highlights of this new edition include completely updated and expanded chapters and more than 960 illustrations. Major sections cover basic concepts, diagnostic radiology, nuclear medicine, and radiation protection, dosimetry, and biology. A Brandon-Hill recommended title.

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