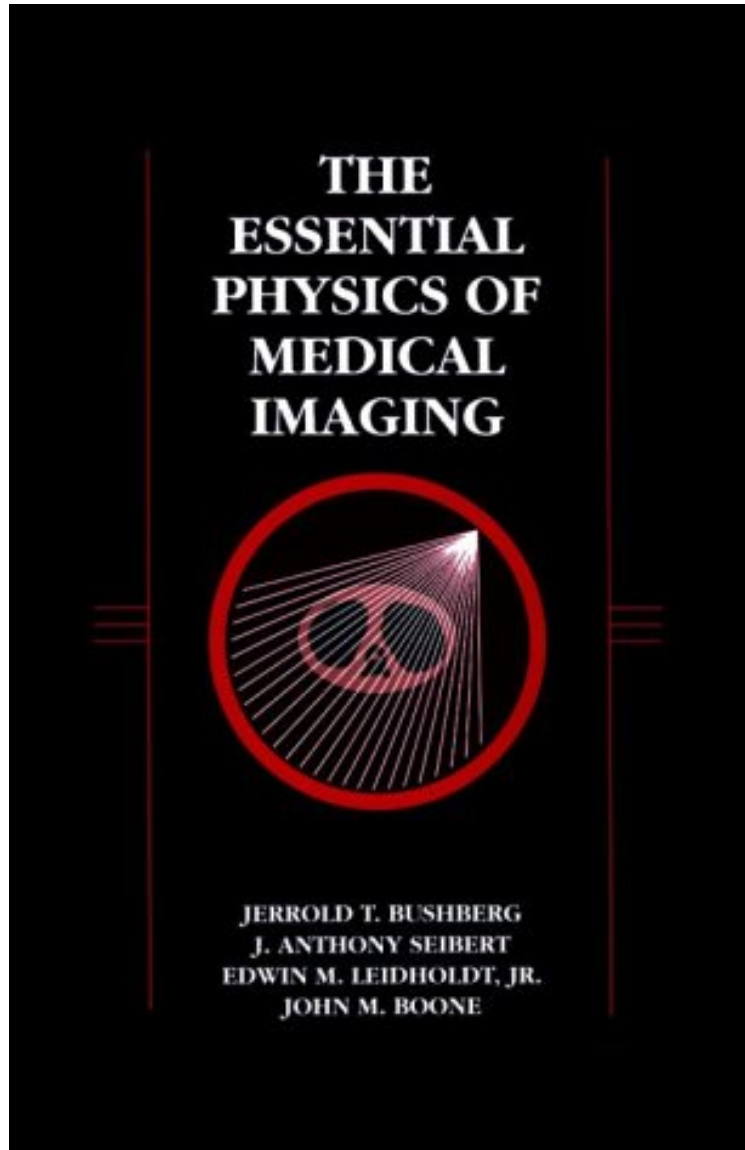


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## Essential Physics of Medical Imaging

*Jerrold T. Bushberg*

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**Jerrold T. Bushberg : Essential Physics of Medical Imaging** before purchasing it in order to gage whether or not it would be worth my time, and all praised Essential Physics of Medical Imaging:

1 of 1 people found the following review helpful. Anyone who has met them will attest the authors are extremely dedicated educators who personally go to great lengths to help resBy STJerseyThis book is a must-read for anyone studying for the new ABR Core exam. Anyone who has met them will attest the authors are extremely dedicated

educators who personally go to great lengths to help residents master the fundamentals of imaging physics. They listened to our feedback and this new edition constitutes a substantial upgrade over the previous one, as other 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.

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more of a reference text no way i was able to read all of this to prep for my radiology post grad exams  
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By Nikita Joshi I dont even know what the hell was going on when I was reading this

This text aims to provide a sound basis for understanding the physics of diagnostic radiology, nuclear medicine, radiation protection, dosimetry and biology. It is suitable for radiologic technologists taking physics courses, radiology residents and practitioners and medical physicists.