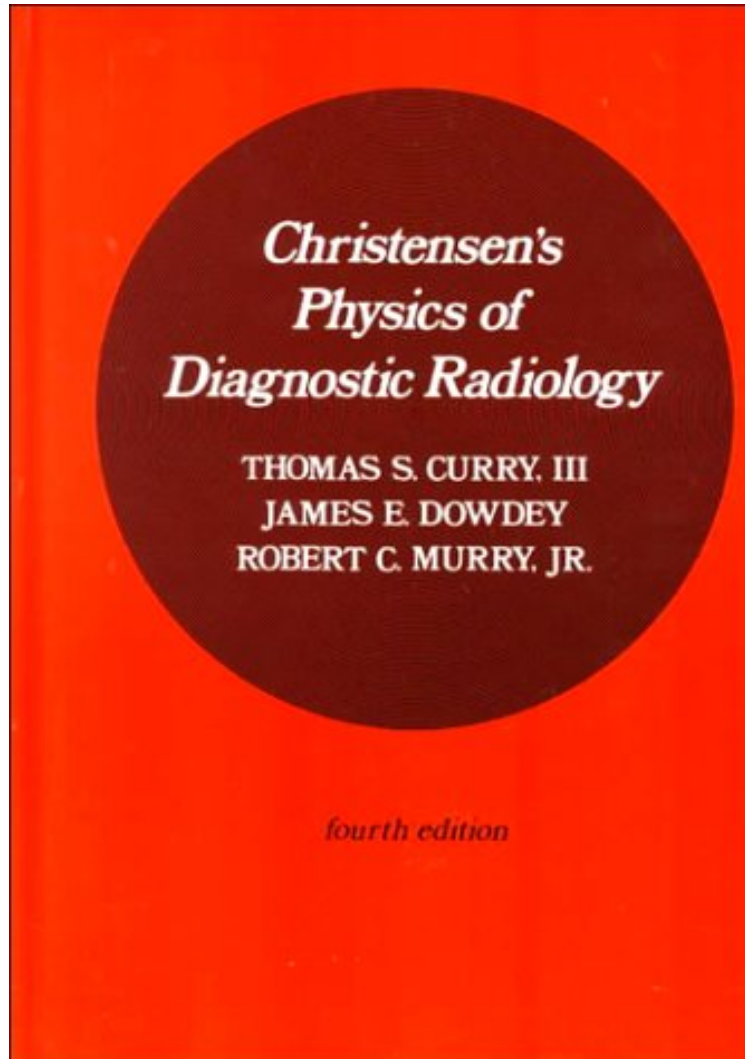


Christensen's Physics of Diagnostic Radiology

Thomas S. Curry III MD, James E. Dowdey PhD, Robert E. Murry Jr. PhD

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Thomas S. Curry III MD, James E. Dowdey PhD, Robert E. Murry Jr. PhD : Christensen's Physics of Diagnostic Radiology before purchasing it in order to gage whether or not it would be worth my time, and all praised Christensen's Physics of Diagnostic Radiology:

1 of 1 people found the following review helpful. Excellent Introduction to Radiology PhysicsBy Alexander ScottWhen I started my residency in medical physics, I knew very little about diagnostic radiology. My background was in particle physics, so radiation and detectors were familiar concepts but in a different context. The specifics of CT, MRI, and imaging in general were foreign to me.Christensen's book on the PHYSICS OF DIAGNOSTIC RADIOLOGY is, for me, a great primer on how the medical community extracts information from radiological imaging. The text exhaustively covers all the aspects of conventional radiography, such as collimators, filters, grids,

screens, and films, as well as more specialized topics like CT and MRI. The text is engaging and easy to read, with a healthy dose of charts and graphs. While Christensen's includes the math, I would say (contra a previous reviewer) that Bushberg is the go-to source for technical details and data (which seems to be the consensus among medical physicists, but perhaps not among radiologists?) Christensen's PHYSICS OF DIAGNOSTIC RADIOLOGY covers just about everything that you'll need to know about diagnostic radiology, although it might be more technical than needed for a radiology resident and too little for a medical physics resident. I found it to have a comfortable flow of information, presenting concepts in a smooth way without bogging down in details. The 4th edition was printed in 1990, so the chapters on CT and MRI will be outdated, but the fundamental physics remains the same. On the positive side, this edition is old enough to discuss processes that aren't used much today (such as film vs. CR cassettes). Chapters: 1-5. X-rays and interactions 6-11. Imaging elements (filters, grids, screens, and films) 12-16. Images (radiographic, fluoroscopic) 17. Stereoscopy 18. Xeroradiography 19. CT 20. Ultrasound 21. Shielding 22. Digital radiography 23-24. MRI 0 of 0 people found the following review helpful. love it By Customer especially MRI part. so easy and plain to understand. helped me pass the board. easy to use. good shipping. using it now. no problem so far. not bad at all. is it enough words yet. yes. copy to all ratings. 0 of 0 people found the following review helpful. Good diagnostic physics text book By Eman Havi Good diagnostic physics text book. Spells many areas out in more detail than many of the other popular ones out there today. Newer texts are needed for new innovations in the field.

The Fourth Edition of this text provides a clear understanding of the physics principles essential to getting maximum diagnostic value from the full range of current and emerging imaging technologies. Updated material added in areas such as x-ray generators (solid-state devices), xerography (liquid toner), CT scanners (fast-imaging technology) and ultrasound (color Doppler).