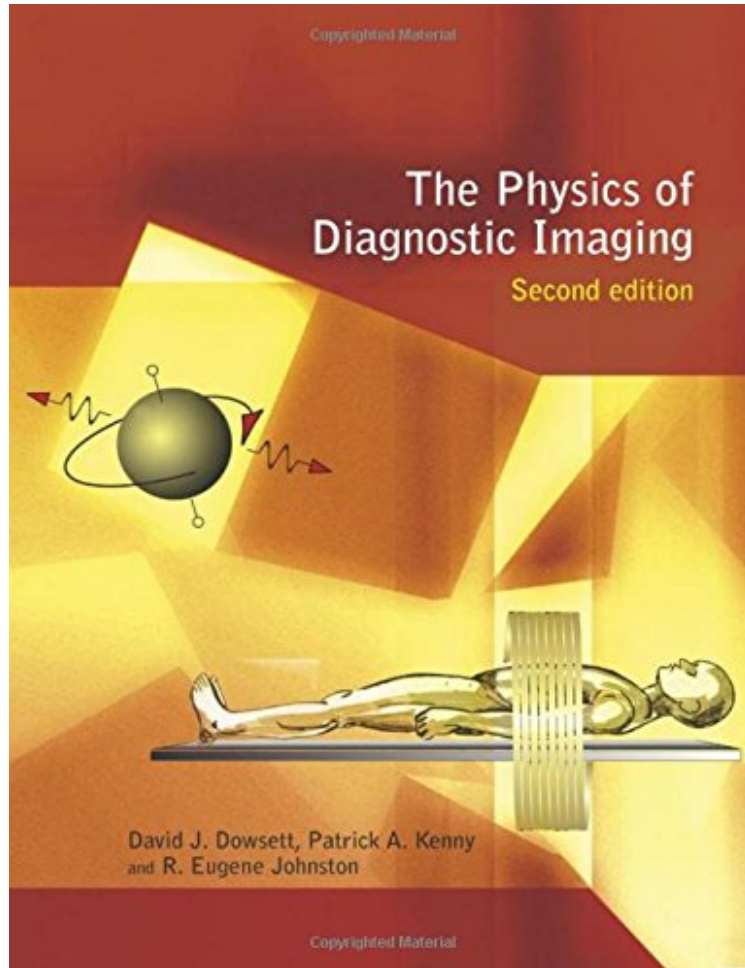


(Read free ebook) The Physics of Diagnostic Imaging Second Edition

The Physics of Diagnostic Imaging Second Edition

David Dowsett, Patrick A Kenny, R Eugene Johnston

*Download PDF | ePub | DOC | audiobook | ebooks



DOWNLOAD



READ ONLINE

#3063877 in Books 2006-04-28Original language:EnglishPDF # 1 7.30 x 1.40 x 9.80l, 3.92 #File Name: 0340808918738 pages | File size: 22.Mb

David Dowsett, Patrick A Kenny, R Eugene Johnston : The Physics of Diagnostic Imaging Second Edition

before purchasing it in order to gage whether or not it would be worth my time, and all praised The Physics of Diagnostic Imaging Second Edition:

0 of 0 people found the following review helpful. Five StarsBy CustomerExcellent teaching tool0 of 0 people found the following review helpful. Four StarsBy CustomerThe condition is fine.0 of 0 people found the following review helpful. Perfect conditionBy Carlos Villalon AriasItem was in perfect condition, almost like new.A must have item for medical imaging covering areas from x-rays to magnetic resonance passing through ultrasound and even more.

Over recent years there has been a vast expansion in the variety of imaging techniques available, and developments in machine specifications continue apace. If radiologists and radiographers are to obtain optimal image quality while minimising exposure times, a good understanding of the fundamentals of the radiological science underpinning

diagnostic imaging is essential. The second edition of this well-received textbook continues to cover all technical aspects of diagnostic radiology, and remains an ideal companion during examination preparation and beyond. The content includes a review of basic science aspects of imaging, followed by a detailed explanation of radiological sciences, conventional x-ray image formation and other imaging techniques. The enormous technical advances in computed tomography, including multislice acquisition and 3D image reconstruction, digital imaging in the form of image plate and direct radiography, magnetic resonance imaging, colour flow imaging in ultrasound and positron radiopharmaceuticals in nuclear medicine, are all considered here. A chapter devoted to computers in radiology considers advances in radiology information systems and computer applications in image storage and communication systems. The text concludes with a series of general topics relating to diagnostic imaging. The content has been revised and updated throughout to ensure it remains in line with the Fellowship of the Royal College of Radiologists (FRCR) examination, while European and American perspectives on technology, guidelines and regulations ensure international relevance.

A unique feature of this book is its international flavour ... European and American perspectives on technology, guidelines and regulation are discussed ... This book is highly recommended. Physics in Medicine and Biology very much a teaching book aimed at a student audience Comprehensively covers the various areas of medical imaging. The British Journal of Radiology. About the Author: David J. Dowsett MSc PhD, previously Chief Physicist at the Mater Hospital, Dublin, Ireland, is now consultant medical physicist to various hospitals in Ireland and actively involved in teaching graduate and postgraduate students in Ireland and abroad. Patrick A. Kenny MA MSc PhD is Chief Medical Physicist at the Mater Misericordiae University Hospital Dublin. He is also a lecturer in the Faculty of Radiology and teaches Diploma Courses in Ultrasound, MR, CT and Nuclear Medicine at both Trinity College and University College Dublin. R. Eugene Johnston MA PhD is a Professor Emeritus from the University of North Carolina, USA, where he taught and carried out research in medical imaging over the past 30 years.