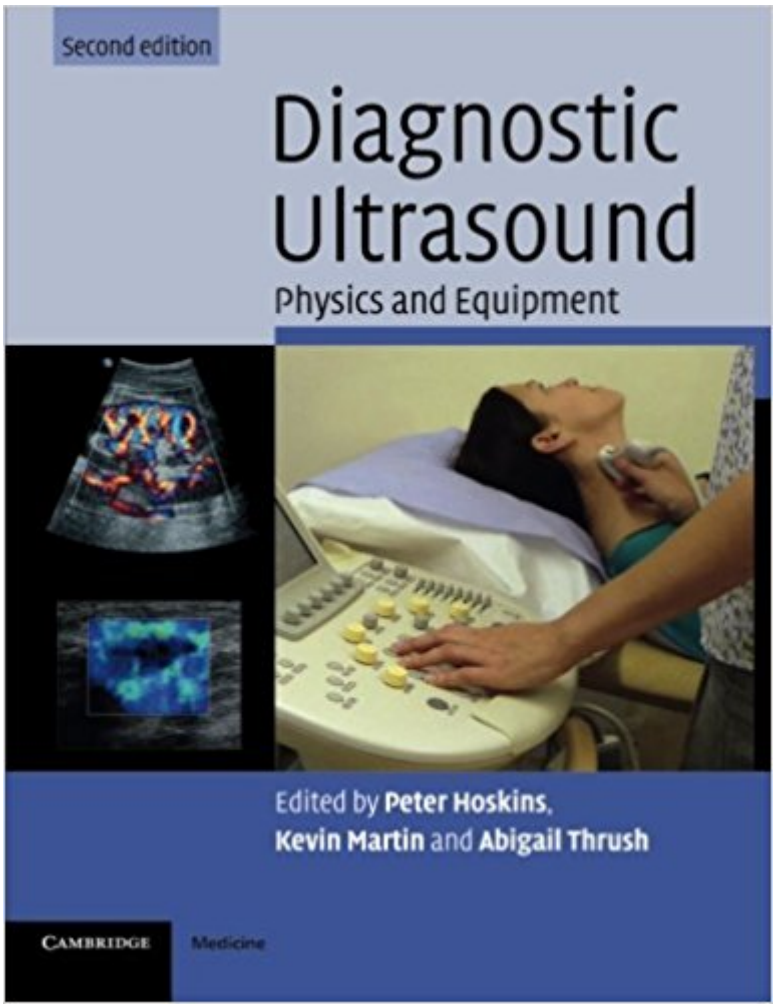
Diagnostic Ultrasound: Physics And Equipment (Cambridge Medicine (Paperback))



Synopsis

All healthcare professionals practising ultrasound in a clinical setting should receive accredited training in the principles and practice of ultrasound scanning. This new edition of Diagnostic Ultrasound: Physics and Equipment provides a comprehensive introduction to the physics, technology and safety of ultrasound equipment, with high quality ultrasound images and diagrams throughout. It covers all aspects of the field at a level intended to meet the requirements of UK sonography courses. New to this edition: Ã¢â ¬Â¢ Updated descriptions of ultrasound technology, quality assurance and safety. Ã¢â ¬Â¢ Additional chapters dedicated to 3D ultrasound, contrast agents and elastography. Ã¢â ¬Â¢ New glossary containing definitions of over 500 terms. The editors and contributing authors are all authorities in their areas, with contributions to the scientific and professional development of ultrasound at national and international level.

Book Information

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Customer Reviews

'This is an excellent text which provides a valuable resource to support the teaching of ultrasound physics, instrumentation and safety for all those involved in the teaching, training and practice of ultrasound. It is also an ideal core text for all healthcare professionals undertaking ultrasound training and is very highly recommended.' Julie Walton, Senior Lecturer, Faculty of Medicine, University of Liverpool'A fantastic reference book for Part I IPEM Medical Physics trainees. Easy to

read and very clear explanations. Very very useful.' Annette Paton, University Hospitals Bristol, Radiotherapy Physics Unit'When the first edition of this book was published in 2002 ... it did indeed fill the gap in the market for a comprehensive readable account of the physics and technology underpinning diagnostic ultrasound. It has become the standard text for many ultrasound courses and many of us use it as source material for teaching. Eight years later, there is still a need for a text to clarify the numerous 'technological advances' with which manufacturers now litter their machines. This edition fulfils that most admirably ... This reviewer found it very difficult to come up with some sensible substantial negative comments. That is probably because this is an excellent book, it dills a major gap in the field (previously only filled by the first edition) and it is a major contribution to the education and instruction of ultrasound practitioners whatever their background. It works admirably both as a textbook and as a reference volume.' Ultrasound

This second edition provides a technical introduction to the physics and equipment of ultrasound, with high quality images throughout. Fully updated, with three new chapters and a glossary containing definitions of over 500 terms, this is an ideal text for radiologists, trainee sonographers, medical physicists and engineers.

Very good, concise and and up-to-date. Almost half of the book is dedicated to quality assurance and safety, which feels a bit odd. Covers some advanced topics, like contrast, harmonic imaging, and elastography, which is great for an introductory text. Some may find the book superficial, because it does not expect more from the reader than high school physics and math.

I am a medical physicist and have found this book to be a great resource. I am using it to study for the diagnostic ABR exam and have found it to be very well-written, up-to-date, and informative. It explains everything very clearly without being too technical. I wish all my physics books were this good. I think it would also be appropriate for technologists and radiology residents.

Equipment (Dorsch, Understanding Anesthesia Equipment) Cambridge Global English Stage 9 Workbook: for Cambridge Secondary 1 English as a Second Language (Cambridge International Examinations) Ultrasound of the Foot and Ankle: Diagnostic and Interventional Applications (Medical/Denistry) Small Animal Radiology and Ultrasound: A Diagnostic Atlas and Text, 3e Waldman's Atlas of Diagnostic Ultrasound of Painful Foot and Ankle Conditions Physical Therapy of the Foot and Ankle, 2e (Clinics in Diagnostic Ultrasound) Diagnostic Ultrasound: Abdomen and Pelvis, 1e Exam Preparation for Diagnostic Ultrasound: Abdomen and OB/GYN (Lippincott's Review Series) Diagnostic and Surgical Imaging Anatomy: Ultrasound: Published by AmirsysÃ Â® Diagnostic Ultrasound Imaging: Inside Out, Second Edition (Biomedical Engineering) Diagnostic Ultrasound: 2-Volume Set Small Animal Diagnostic Ultrasound - E-Book Small Animal Diagnostic Ultrasound Diagnostic Ultrasound in Small Animal Practice