Physics and Instrumentation of Diagnostic Medical Ultrasound

Description: Physics and Instrumentation of Diagnostic Medical Ultrasound Peter Fish. University of Wales Bangor, School of Electronic Engineering Science, and Gwynedd and Clwyd Health Authorities, Department of Medical Physics. The field of diagnostic medical ultrasound is constantly changing as new equipment and techniques are developed and refined. The use of ultrasound is increasing rapidly throughout the world and consequently a knowledge of the underlying scientific principles and instrument operation has become an essential part of medical ultrasound courses. This book provides a concise, highly illustrated description of physics and instrumentation of diagnostic medical ultrasound and includes substantial coverage of Doppler techniques and real-time instruments. It will be of great value to sonographers, radiographers, radiologists, medical physicists and technicians as an aid to the study of the clinical use of diagnostic ultrasound, and as an excellent introduction for those intending to investigate the subject in greater depth. Other Wiley Books of Related Interest Include: Doppler Ultrasound: Physics, Instrumentation, and Clinical Applications D. H. Evans, W. N. McDicken, R. Skidmore, J. P. Woodcock 1989 Clinical Magnetic Resonance: Imaging and Spectroscopy R. Andrew, G. Bydder, J. R. Griffiths, R. A. Iles, P. Styles 1990 Ultrasound Teaching Cases Volume 1 H. B. Meire, K. C. Dewbury, D. O. Cosgrove 1988 Ultrasound Teaching Cases Volume 2 K. C. Dewbury, H. B. Meire, D. O. Cosgrove 1988

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Propagation in Tissue.

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