1. Record Nr. UNINA9910784943803321

Titolo	Diagnostic ultrasound : physics and equipment / / edited by Peter Hoskins, Kevin Martin, Abigail Thrush [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2010
ISBN	1-139-81401-X 1-107-20767-3 1-282-72333-2 9786612723339 0-511-74940-6 0-511-75014-5 0-511-74359-9 0-511-74252-5 0-511-75088-9 0-511-74468-4
Edizione	[Second edition.]
Descrizione fisica	1 online resource (xi, 263 pages) : digital, PDF file(s)
Collana	Cambridge medicine Diagnostic ultrasound
Disciplina	616.07/543
Soggetti	Diagnostic ultrasonic imaging
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction to B-mode imaging -- Physics -- Transducers and beam forming -- B-mode instrumentation -- Properties, limitations and artefacts of B-mode images -- B-mode measurements -- Principles of doppler ultrasound -- Blood flow -- Spectral doppler ultrasound -- Colour flow and tissue imaging -- Quality assurance -- Safety of diagnostic ultrasound -- 3D ultrasound -- Contrast agents -- Elastography.
Sommario/riassunto	All healthcare professionals practising ultrasound in a clinical setting should receive accredited training in the principles and practice of ultrasound scanning. This second 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: • Updated descriptions of ultrasound technology, quality assurance and safety. • Additional chapters dedicated to 3D ultrasound, contrast agents and elastography. • 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.