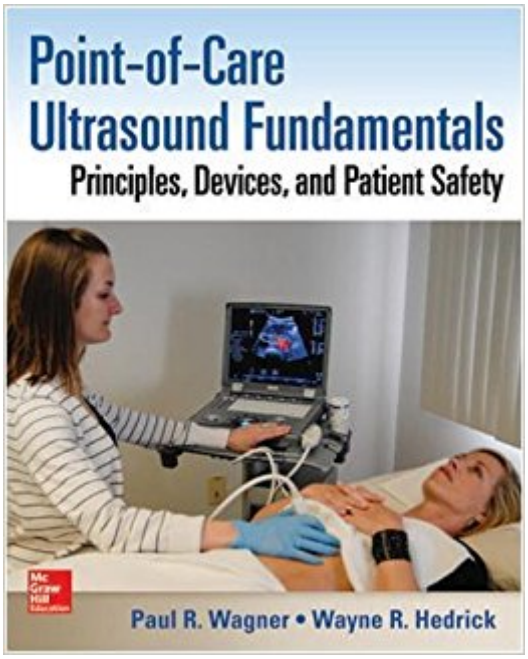
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Point-of-Care Ultrasound Fundamentals: Principles, Devices, And Patient Safety



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Synopsis

Introducing the first definitive training guide to point-of-care ultrasound Whether you’re a medical student or other health professional, this complete, one-stop tutorial takes you through everything you need to know about ultrasound scanners and their use across the full range of medical settings. Here, you’ll get an incisive, step-by-step overview of the physical principles of ultrasound with detailed explanations of how each control works and why it’s needed. Point-of-Care Ultrasound Fundamentals is the one clinical resource that will take your familiarity with portable ultrasound to the next level. No other sourcebook goes further to help you master ultrasound tools and techniques--so you can maximize the quality of diagnostic information obtained during the examination while ensuring patient safety and observing ergonomically-sound scanning techniques. FEATURES: Covers the rapid adoption of new point-of-care ultrasound devices, from simple cell phone-size units to highly sophisticated and costly multi-transducer scanners offering 2D real-time, Duplex Doppler, and color flow imaging Emphasis on ensuring ultrasound safety offers insight into ultrasound interactions with tissue and the amount of energy transmitted to the patient, particularly when scanning the fetus Detailed descriptions of universal scanning techniques include diagrams and photographs illustrating correct and incorrect scanning methods to help prevent sonographer injury Excellent pedagogy includes chapter-opening learning objectives and key terms Numerous tables and figures throughout include precisely reproduced ultrasound images

Book Information

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Customer Reviews

Paul R. Wagner, RDMS, RDCS, RVT (University Park, PA) is Program Director of Diagnostic Medical Sonography at South Hills School of Business and Technology in State College, Pennsylvania. Wayne R. Hedrick, PhD (Canton, OH) is Professor of Medical Radiation Biophysics in the College of Medicine, Northeastern Ohio University, Rootstown, and a Certified Diagnostic Radiological and Medical Nuclear Physicist at Aultman Hospital, Canton.

This book offers a clear, concise, and readable guide to the principles, equipment, instrumentation, and ÃƒÂ¢Ã â ¬Ã Å“how to scanÃƒÂ¢Ã â ¬Ã Â• information. The tutorial has quality illustrations, tables, photographs, and sonograms that augment the text. For clinical practice, this book will provide a better understanding on how to deliver quality portable point-of-care sonography examinations.

What an excellent book. This book is a must-have for everyone in the point-of-care ultrasound community looking for basic information regarding all aspects of ultrasound. The book is well written, easy to follow, and is an indispensable reference. So glad I found it!

Must have guide for Point of Care ultrasound. Comprehensive and easy to read with great visuals! Love the section on transducer manipulation

A good overview of basic principles for the Point of Care provider. Down-to-Earth descriptions with excellent tables and photography.

the most horrible ultrasound physics book ever written!!

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