

Sonography Principles and Instruments, 8e (Diagnostic Ultrasound: Principles & Instruments (Kremkau))

By Frederick W. Kremkau PhD



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The 8th edition of Kremkau's **Sonography Principles and Instruments** concisely and comprehensively covers the essential aspects of sonography physics and technology, presenting state-of-the-art content in a dynamic, highly visual format. Confidently prepare for the challenges of practice with a clear understanding of how diagnostic sonography works, including Doppler, artifacts, safety, quality assurance, the latest technology, and more.

- Essential coverage of physics and ultrasound helps you prepare for the ARDMS SPI exam.
- Straightforward explanations simplify complex content.
- *Key Points* highlight the most important information to help you study more efficiently.
- Learning features such as chapter outlines, learning objectives, bulleted chapter summaries, and a glossary of sonography physics terms make difficult concepts easier to review and understand.
- End-of-chapter exercises test your knowledge and understanding with a mix of true-or-false, fill-in-the-blank, multiple choice, and mathematical questions.
- A mathematics appendix provides fast, efficient access to a *List of Symbols*, a *Compilation of Equations*, and a *Mathematics Review*.
- A full-color design depicts more than 200 high-quality ultrasound scans similar to what you'll encounter in the clinical setting.
- **Updated scans** from the most current equipment and updated content on 3D imaging, contrast, elastrography, and imaging artifacts provide all the information necessary to be consistent with current technology.
- Full-color photos of common instruments and control panels familiarize you with the devices you'll use in practice.
- **Updated risk and safety statements** help you ensure compliance with current national standards.
- New outline and presentation of materials reflect the 2009 ARDMS Sonography Principles and Instrumentation (SPI) examination.

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Review

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