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A thorough understanding of the physics of ultrasound waves and the instrumentation will provide the user with a better understanding of the capabilities and limitations of ultrasound equipment. The ultrasound machine combines two technologies: image production (M-mode and 2-dimensional imaging) with Doppler assessment (continuous and pulse wave as well as color-flow mapping).

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Description Provides the Doppler ultrasound user with a firm grasp of its underlying physical principles. This book provides a sound theoretical basis for clinical users of Doppler ultrasound, and includes an up-to-date survey of the many new innovations that have been described as potentially useful for detecting, measuring and imaging blood flow.

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