

Ultrasound Phantoms: B-Mode, Doppler Mode and Others.

One objective of an ultrasound quality assurance program is to detect changes in system performance before it affects the diagnostic quality of the ultrasound exam. Ultrasound phantoms provide a standard of reference with which to monitor image degradation over time.

This lecture will provide an overview of ultrasound phantom design as it relates to their use in ultrasound quality assurance programs. Advantages and limitations of phantoms will also be discussed.

Learning Objectives:

1. Understand the types of ultrasound phantoms available
2. Understand the use of ultrasound phantoms in a QA/QC program for both B-Mode, Doppler Mode and others
3. Understand the advantages and limitations of phantom technology

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