

AbstractID: 2658 Title: Ultrasound QC Workshop

This workshop will provide attendees an opportunity to observe ultrasound scanner operations and quality assurance procedures. A portable ultrasound unit and various ultrasound QC phantoms will be provided and used to demonstrate the QC procedures. A set of QC test procedures described in AAPM Ultrasound Task Group 1 Report (Medical Physics 1998; Vol 25: 1385-1406) will be presented, including display monitor fidelity, image uniformity, depth of visualization, horizontal and vertical distance accuracy, axial and lateral resolution, slice thickness, dead zone measurement. Demonstrations of test procedures and equipment will be performed by the instructors and industry representatives.

Educational Objectives:

1. To learn the effect of parameter settings on various aspects of ultrasound imaging.
2. To observe the ultrasound quality control test procedures for real-time B-mode units.
3. To become acquainted with various ultrasound QC phantoms.