

As in previous years, this workshop will provide attendees an opportunity to refresh their skills in ultrasound scanner operation and quality assurance procedures. The emphasis will be on hands-on learning, rather than a didactic lecture. Several portable ultrasound units and various ultrasound QC phantoms will be provided on site. A ten-minutes demo will be given at 10 am, 11 am, 1:30 pm and 2:30 pm. For the other times experienced instructors will be at the ultrasound scanners to guide the attendees' exercises.

Participants can attend anytime during the scheduled workshop. 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. A prostate ultrasound imager and prostate ultrasound QC phantom will be available for those who are interested in learning the QC test procedures for prostate imaging.

Educational Objectives:

1. To learn the effect of scanner parameter settings on various aspects of image and its clinical implications.
2. To perform ultrasound quality control test procedures for real-time B-mode units.
3. To learn quality assurance tests for prostate ultrasound imagers.
4. To be acquainted with various ultrasound QC phantoms.