

QIBA Ultrasound Shear Wave Speed (SWS) Technical Committee

Friday, May 04, 2012; 11 AM CT

Call Summary

In attendance

Brian Garra, MD (Co-Chair)

Timothy Hall, PhD (Co-Chair)

Michael Andre, PhD

John Benson

Paul L. Carson, PhD, (QIBA Sci. Coord)

Shigao Chen, PhD

Claude Cohen-Bacrie, MS

Barry Goldberg, MD

Andrej Lyshchik, MD, PhD

Ernie Madsen, PhD

Thomas Nelson, PhD

Kathy Nightingale, PhD

Adrian Nunn, PhD

Mark Palmeri, PhD

Nicolas Rognin, MSc, PhD

Jonathan Rubin, MD, PhD

Laurent Sandrin, PhD

Gale Sisney, MD

Mickaël Tanter, PhD

Kai E. Thomenius, PhD

Keith Wear, PhD

Hua Xie

Jim Zagzebski, PhD

RSNA

Fiona Miller

Joe Koudelik

Julie Lisiecki

Formation of subcommittees

- RSNA staff will distribute a Doodle poll for volunteers to sign up for up to two subcommittees, indicating order of preference
- Poll will also provide volunteers an opportunity to indicate interest in serving as a chair/co-chair for a subcommittee
- Draft charges are to be used as guidance for the subcommittees but may be revised

Schedule for Webex calls

- Calls will alternate every other week for the main technical committee
- Technical committee calls will be held on Mondays at 1 PM CT and on Fridays at 11 AM CT of the same week, followed by one week off
- As subcommittees become active, one of these slots may be used for rotating subcommittee calls
 - May need to re-poll for times for the different subcommittees as they become active
 - Subcommittees may meet on an ad-hoc basis, without staff support, as needed

Co-Chair Responsibilities

- Dr. Carson proposed that the three co-chairs take turns leading the main technical committee calls every other week
- Mr. Milkowski will co-chair the May 14th and May 18th calls.

Group discussion of technical committee purpose and direction

- Discussion re: whether focus of the group should be on trying to achieve uniformity among different instruments or demonstrating frequency of range to the user
- Goal is to narrow the range of variability between systems
- Reference standard phantoms to be used to identify correction methods for system dependencies
- Determine specific pathology based on clinical history

Proposed US SWS Subcommittees

1. **SWS Ultrasound System Dependencies:** Identification; Characterization; Mitigation
2. **Phantom and System Measurement Testing:** Usability of Existing Phantoms; Phantom Testing for Stability or Stability standards; Standard Methods for Measurement Testing and Reporting of Test Results (Accuracy, repeatability, reproducibility); Advanced Phantom Design & Development to better mimic tissues.
3. **SWS Clinical Application:** Ease of use; Populations where measurement is feasible and valid; standard acquisition method; Populations where measurement may not be valid; Other confounding pathologies; problems with gold standard comparisons; alternate gold standards for use in validation.
4. **SWS Reporting and Results Transmission (later date):** What results to report; DICOM structure for reporting; On Screen Results Display; Research results export format.

Next steps:

- Co-chairs to update "Draft charges" for inclusion on the wiki and for reference to Doodle
- Doodle Poll to be sent to group to determine subcommittee composition, preference, and potential leaders

Next call: Monday, May 14, 2012 at 1:00 PM CT (Mr. Milkowski to moderate)

RSNA Staff attempt to identify and capture all committee members participating on WebEx calls. However, if multiple callers join simultaneously or call in without logging on to the WebEx, identification is not possible. Call participants are welcome to contact RSNA staff at QIBA@RSNA.org if their attendance is not reflected on the call summaries.

[QIBA wiki](#)