

QIBA Ultrasound Shear Wave Speed (SWS) Technical Committee

Friday, August 24, 2012; 11 AM CT

Call Summary

In attendance

Brian Garra, MD (Co-Chair)

Tim J. Hall, PhD (Co-Chair)

Andrew Milkowski, MS (Co-Chair)

Paul Carson, PhD

Shigao Chen, PhD

Claude Cohen-Bacrie, MS

David Cosgrove, MD

Steven E. Fick, PhD

Barry Goldberg, MD

Stephen McAleavey, PhD

Steve Metz, PhD

Kathy Nightingale, PhD

Mark Palmeri, MD, PhD

Cedric Schmitt, PhD

Daniel C. Sullivan, MD

Ron Tosh, PhD

RSNA

Fiona Miller

Joe Koudelik

Julie Lisiecki

RSNA 2012 Poster for Ultrasound

- A hard copy poster is **due to RSNA by November 1st**
- Suggested content:
 - Introductory slides from a PowerPoint presentation to be presented at *the International Tissue Elasticity Conference* (ITEC 2012: October 2-5); the slides review the overall QIBA ultrasound structure
 - Mr. Cohen-Bacrie volunteered to take the lead on poster preparation
 - RSNA staff will circulate a Doodle poll to the technical committee to sign up for “Meet-the-Experts” sessions (MTE) – held during the lunch hour at the RSNA meeting.
 - These sessions allow QIBA members to interact with meeting attendees and discuss their poster in detail
 - The QIBA technical committee posters will be located in the Lakeside Learning Center at McCormick Place in the QIBA kiosk area – adjacent to the *Quantitative Imaging Reading Room*.

Review of Technical Committee Goals for continued external funding

- The group discussed objectives associated with the US modalities section of the draft proposal
- Mr. Milkowski suggested combining meta-analyses and procedures in one statement, with separate objectives
 - Analyses will include a literature search, statement of groundwork projects toward completion of a Profile, and a protocol from the collected methods to be assembled
 - Dr. Garra suggested including a general statement of tasks
 - Dr. Hall gave an overview of the Profile and also explained that the QIBA Metrology group is trying to develop a consistent terminology for communication among medical practitioners – the Profile is also a step toward achieving this consistency by offering preferred methods

Measurement Values Discussion

- More emphasis on possible solutions to improve intra- and inter-vendor reproducibility and variability is needed.
 - The Technical Committee is soliciting feedback from the Clinical Applications and Biological Targets Subcommittee.
- Dr. Fick will look into the availability of NIST colleagues to evaluate this issue of measurement further.
- Use of a comparison scale was suggested to avoid compensating for the lack of a standard measurement

Mendeley Tagging

- Dr. Palmeri has hired a student to tag the Mendeley documents for consistent input and reference citation.

Parameters Update

- Spreadsheet for tracking parameters to be drafted by Dr. Garra and Mr. Milkowski – in progress
 - To include outline of procedures, including which have more possibility for variability, etc.

Next steps:

- All welcome to send references to Dr. Palmeri: mark.palmeri@duke.edu or Dr. Wear: Keith.Wear@fda.hhs.gov for the searchable database of papers.
- Clinical Applications and Biological Targets Subcommittee to discuss measurement comparison issues.
- Dr. Fick to look into the availability of NIST colleagues to evaluate measurement issue further
- Mr. Cohen-Bacrie to organize preparations for the poster
- RSNA staff to circulate a Doodle poll to the technical committee to sign up for “Meet-the-Experts” poster sessions

Next calls:

- System Dependencies Subcommittee - **Friday, August 31, 2012 at 11:00 AM CT** (Dr. Palmeri to moderate)
- Clinical Applications Subcommittee – **Monday, September 10, 2012 at 1:00 PM CT** (Mr. Cohen-Bacrie to moderate)
- *A more comprehensive schedule is below:*

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](#)

Upcoming QIBA US SWS Calls

Date	Time (CT)	Day	Committee/ Subcommittee	Moderator
08/31/2012	11:00 am CT	Friday	System Dependencies Subcommittee	Dr. Wear
09/10/2012	1:00 pm CT	Monday	Clinical Applications & Biological Targets Subcommittee	Mr. Cohen-Bacrie
09/17/2012	1:00 pm CT	Monday	US SWS Technical Committee	Mr. Milkowski
09/24/2012	1:00 pm CT	Monday	Phantom Subcommittee	Drs. Hall/ Garra
09/28/2012	11:00 am CT	Friday	System Dependencies Subcommittee	Dr. Palmeri
10/01/2012	1:00 pm CT	Monday	Clinical Applications & Biological Targets Subcommittee	Dr. Samir

Conferences:

- **International Tissue Elasticity Conference (ITEC 2012): Ultrasound – Deaville, France (October 2 – 5)**
 - *Dr. Hall will be giving a brief presentation on QIBA efforts.*
- **IEEE Ultrasonics Symposium – Dresden, Germany (October 7-10)**