

QIBA Ultrasound Shear Wave Speed (SWS) Technical Committee

Monday March 4, 2013; 1 PM CT

Call Summary

In attendance

Tim J. Hall, PhD (Co-Chair)

Brian Garra, MD (Co-Chair)

Andy Milkowski, MS (Co-Chair)

Kaisar Alam, PhD

Paul Carson, PhD

Shigao Chen, PhD

Claude Cohen-Bacrie, MS

David Cosgrove, MD

Steven Fick, PhD

Jeremie Fromageau, PhD

Caterina Gallippi, PhD

Christopher Hazard, PhD

Anis Hadj Henni, PhD

Jennifer Kugel, MS (RT)

Ted Lynch, PhD

Stephen McAleavey, PhD

Kathy Nightingale, PhD

Mark Palmeri, MD, PhD

Cedric Schmitt, PhD

Keith Wear, PhD

Hua Xie, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Moderator: *Dr. Garra*

Agenda: *Monday, March 4, 2013; 1 PM CT*

1. Update on Status of Phantom Testing from Test Sites -- *all phantom testers*
2. Preliminary phantom data analysis update – *Mr. Andy Milkowski*
 - a. Data received from which sites
 - b. Analysis performed
 - c. Spreadsheet or other recording issues
3. Report of Clinical Subcommittee—*Dr. David Cosgrove, Mr. Claude Cohen-Bacrie*
 - a. Literature database meta-analysis discussion
 - b. Other activities
4. Phantom Subcommittee Activities Report – *Dr. Tim Hall, Dr. Brian Garra*
 - a. Any other activities beyond the phantom testing
5. System Dependencies Subcommittee update – *Dr. Keith Wear, Dr. Mark Palmeri*
 - a. Any other activities beyond phantom testing underway
6. Potential RSNA submissions
7. Other New Business
8. Adjourn

Updates on the Phantom Study Project – Phase I

- Reproducibility numbers for the phantom materials were very high, indicating good results
- Three sets of data are currently being analyzed by Mr. Milkowski: Siemens, University of Michigan, and Echosens
 - The initial data is being used to create models for analysis of phantom uniformity
- Unknown factors related to government sequestration may delay funding opportunities; sharing of lossy phantoms may be prudent
 - Group must discuss estimated costs for lossy materials
- Dr. Chen (Mayo) is waiting for an additional small phantom to test
 - Dr. Carson promised to send the University of Michigan phantom to him and asked that it be returned once tests are complete
- Mendeley: Dr. Palmeri indicated that 85% of data from the collected literature has already been extracted into spreadsheet form
 - A point person, preferably with advanced statistical training, is needed to document the data
 - Mr. Cohen-Bacrie's plan/ methodology for analyzing the database and accounting for all confounding factors will be posted to the wiki

Action items

- Dr. Carson to send the University of Michigan phantom to Dr. Chen
- Mr. Cohen-Bacrie's plan/ methodology for analyzing the database and accounting for all confounding factors - posted to the wiki
- Dr. Garra volunteered to draft a submission entry for the RSNA 2013 abstract, taking into consideration possible oral presentations by group members; the **deadline for RSNA 2013 submission is April 10, 2013 at 12 noon CT.**
- Group to discuss Metrology issues on next System dependencies call, Friday, March 8th.
- Dr. Sandrin to discuss variations on the next Phantom subcommittee call, Monday, March 11th.

Subcommittee Updates: Detailed project updates may be found on each subcommittee's page: [QIBA wiki](#)

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QIBA US SWS remaining March calls:

- 3/08/2013 11:00 am CT Friday System Dependencies Subcommittee (Dr. Palmeri)
- 3/11/2013 1:00 pm CT Monday Phantom System Testing & Measurement Subcommittee (Dr. Hall)
- 3/18/2013 1:00 pm CT Monday Clinical Applications & Biological Targets Subcommittee (Dr. Samir)