

QIBA Ultrasound Shear Wave Speed (SWS) Biomarker Committee

Friday, December 12, 2014; 11 AM CT

call summary

In attendance

Timothy J. Hall, PhD (Co-Chair)

Andy Milkowski, MS (Co-Chair)

Kaisar Alam, PhD

Michael André, PhD

Paul Carson, PhD

Jun Chen, PhD

Shigao Chen, PhD

Manish Dhyani, MD

Gilles Guennette, RDMS, RDCS, RVT

Mike MacDonald, PhD

Yasuo Miyajima, PhD

Kathy Nightingale, PhD

Nancy Obuchowski, PhD

Mark Palmeri, MD, PhD

Anthony Samir, MD

Laurent Sandrin, PhD

Vijay Shamdasani, PhD

Michael Wang, PhD

Keith Wear, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Moderator: Dr. Hall

Agenda

1. Phantom Study Phase II Update
2. De-brief from RSNA Annual Meeting

Discussion

Phantom Studies, Phase I & II Updates

- Dr. Nightingale shared observations regarding the Phase I phantoms (with minor air bubbles)
- It was decided that participating sites will continue the testing rotation with BOTH Phase I *and* Phase II phantoms to acquire maximum data
- Sites that still need to test Phase I phantoms:
 - University of Wisconsin {Drs. Hall (UW) and MacDonald (GE)}
 - DIDS/OSEL/CDRH/FDA (Dr. Garra)
 - Massachusetts General Hospital (Drs. Samir and Dhyani)
 - Southwoods Imaging Center (Dr. Barr)
- The second set of phantoms (Phase II) are currently with Dr. Shamdasani

Data Storage

- Dr. Carson volunteered to host data at the University of Michigan on the [M+Box](#) storage solution (similar to *Dropbox*; cloud-based). Questions may be directed to: Pcarson@umich.edu
- Due to FDA restrictions, Drs. Garra and Wear will likely need to email data to Dr. Carson, as they cannot access cloud-based solutions

Simulation Study with Manufacturers

- Dr. Hall is working with Dr. MacDonald (GE) to devise a simulation study for manufacturers, to include SSI and possibly Samsung
- An ad hoc call for study elaboration, to be led by Drs. Palmeri and MacDonald, is being planned: January 16th, 23rd, or sooner
- RSNA staff to create a Doodle Poll to determine the best time for this call
 - *Purpose of the call, descriptive text, and required participants needed*

Planning for Another Biomarker

- The group plans to discuss ideas for another biomarker to pursue at the upcoming AIUM meeting in 2015
- Current suggestion: Lesion detection and characterization in the liver with US contrast agents

Upcoming Schedule – {Calls Friday at 11 am CT}:

- **December 19, 2014: No call - (RSNA organization – wide meeting)**
- **RSNA Offices closed – Winter Break – December 24 – January 1st**
- January schedule TBD

[Conferences for Ultrasound](#) on QIBA Wiki have been updated (as known) for 2014 – 2015. Updates welcome.