

## QIBA Ultrasound Shear Wave Speed (SWS) Biomarker Committee

Friday, October 10, 2014; 11 AM CT

call summary

### In attendance

Brian Garra, MD (Co-Chair)  
Timothy J. Hall, PhD (Co-Chair)  
Andy Milkowski, MS (Co-Chair)  
Jun Chen, PhD  
Shigao Chen, PhD  
Elaine Collins, RDMS

David Cosgrove, MD  
Manish Dhyani, MD  
Steven Fick, PhD  
Nancy Obuchowski, PhD  
Mark Palmeri, MD, PhD  
Nicolas Rognin, MSc, PhD

Anthony Samir, MD  
Vijay Shamdasani, PhD  
Daniel Sullivan, MD  
Matthew Urban, PhD  
Keith Wear, PhD  
Hua Xie, PhD

### RSNA

Joe Koudelik  
Julie Lisiecki

Moderator: Dr. Hall

### Agenda

1. Review of previous notes/minutes (ALL)
2. Current Project Status – (Currently funded project leaders)
3. Update the group at large on the plans for this year's RSNA/QIBA poster (Drs. Samir/ Dhyani)
4. QIBA Working Meeting at *RSNA 2014* –
  - Plenary Session Room: **E253AB** | Breakout Session Room for Ultrasound: **E262**
5. RSNA poster - {Print-ready PPT draft due to RSNA by Friday, October 31<sup>st</sup>.}
6. Other (ALL)

### Project Updates

#### Dr. Samir:

- Dr. Samir has ~ 200 participants, with pathology reviews for 105
- Updates on the analysis of these cases and on the Case Report Forms will be provided on the 10/24 clinical subcommittee call  
The literature review and spreadsheet are available on *DropBox*
- Dr. Dhyani preparing a brief summary of *DropBox* documents for Dr. Garra's review
- Plan is to complete the analysis on the current 250 cases, to help feed the Profile

#### Dr. Palmeri:

- Project goals for initial (Round-3 funded) project have been achieved
- Dr. Jiang is working on a user workaround for the FEBio software for digital phantoms
- Some commercial implementations to be made
- Round-4 funded project objectives to expand on current phantom materials and DRO work done

### Updates for the Phantom Study, Phase II

- An updated protocol which includes salinity information to be distributed to study participants
- Study participants are asked to provide an estimated timeline for team members following them in the queue
- Dr. Lynch provided additional phantoms with a slightly different formulation to bypass the delamination issue. If accepted in further testing, these Set IIB phantoms will be circulated to the same labs as the Set IIA phantoms.
- Adjustments were made to the shipping order to accommodate changing weather conditions
- **Next steps:** Siemens to send Set IIA phantoms to Toshiba. Toshiba will then forward to Mayo in Rochester, MN.
- Dr. Garra requests advanced notice prior to shipping to his location in order to secure needed scan time and personnel

### Phase II Current sites in shipping order include:

1. Duke University (NC)
2. Philips (NY)
3. Philips (Bothell, WA)
4. Siemens (Issaquah, WA)
5. Toshiba (Tustin, CA)
6. Mayo Clinic (MN)
7. University of Wisconsin (WI)
8. Southwoods Imaging Center in Youngstown (OH)
9. Massachusetts General Hospital (MA)
10. DIDS/OSEL/CDRH/FDA (MD)
11. Duke University (NC)

### Update: Poster for RSNA 2014:

- Dr. Samir indicated that the poster will be split into technical and clinical categories for content organization
- **Topic of poster:** "A Review of All Sources of Variability in Shear Wave Elastography"

- **Details to be included:** measurements, confounders, disease heterogeneity, sources of variability, etc.
  - Main focus of poster on primary confounders and how the group is addressing them

**Upcoming calls – Friday at 11 am CT:**

- October 24, 2014: Clinical SC – *Dr. Samir*
- **October 31, 2014: No call -- Print-ready PowerPoint poster due to RSNA**

**QIBA Technical Committees - Working Meeting at RSNA 2014**

- Wednesday, December 3<sup>rd</sup> | 2:30pm – 5:00pm | Chicago, McCormick Place
  - Plenary Session Room: **E253AB** | Breakout Room for Ultrasound: **E262**
- Please let us know whether you plan to attend by responding to the following poll: <http://doodle.com/mk7gecxint6vbwf5>.

**QIBA Poster Meet-the-Expert (MTE) Sessions at RSNA 2014**

- **Location:** McCormick Place, Chicago - Learning Center (**Hall D**) – QIBA Kiosk
- Please provide your availability to volunteer for the QIBA Poster Meet-the-Expert (MTE) sessions.
- **Doodle Poll URL: Ultrasound** SWS Technical Committee: <http://doodle.com/uph4zgvfbsi4ynd7>

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