QIBA Ultrasound Shear Wave Speed (SWS) Technical Committee
Monday, September 17, 2012; 1 PM CT
Call Summary

In attendance

**Brian Garra, MD (Co-Chair)**
David Cosgrove, MD
Mark Palmeri, MD, PhD
RSNA

**Tim J. Hall, PhD (Co-Chair)**
Steven E. Fick, PhD
Nicolas Rognin, MSc, PhD
Joe Koudelik

Michael Andre, PhD
Alpana Harisinghani, MD
Cedric Schmitt, PhD

Paul Carson, PhD
Ted Lynch, PhD
Gale Sisney, MD

Shigao Chen, PhD
Steve Metz, PhD
Keith Wear, PhD

Claude Cohen-Bacrie, MS
Kathy Nightingale, PhD
Hua Xie, PhD

Elaine Collins, RDMS

Moderator: Dr. Garra

- 08 24 2012 QIBA US SWS Technical Committee call summary was approved – to be posted to the QIBA wiki

RSNA 2012 Poster for Ultrasound
- The hard-copy poster is **due to RSNA by November 1st**
- First draft of the poster layout to be prepared by Mr. Cohen-Bacrie for committee review within the next two weeks
- Suggested content:
  - Introductory slides from a PowerPoint presentation for the International Tissue Elasticity Conference
  - Suggested focus should be technical committee projects, results and features discovered to-date
- **Action item:** Each subcommittee to send important project details to Mr. Cohen-Bacrie by Sept 26th.
  - Include concrete outcomes, where possible
- Recommendations for formatting:
  - Include figures, illustrations
  - Minimal text with good amount of white space for ease of reading

Mendeley Tagging Update
- Dr. Palmeri’s student has tagged almost all of the papers submitted, except for the 15-10 newest
  - There are 12-15 active tags being used currently
  - Members are encouraged to email Dr. Palmeri if a tag is incorrect, rather than making a correction
  - Updating of database with tags will require 2-3 passes to make sure that associated data is correct.
    - Dr. Palmeri is tagging for confounding factors and adding these items to the spreadsheet.
    - A legend may need to be created
- A spreadsheet has been created to combine data from papers in Google Docs; this can be shared with members who provide a gmail address to Dr. Palmeri (mark.palmeri@duke.edu).
  - A standardized format for citations is needed; RSNA staff to provide boilerplate

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

Clinical Applications and Biological Targets Subcommittee Update
- Dr. Cosgrove sent two papers for group review by October 1st; Comments welcome to: d.cosgrove@csc.mrc.ac.uk
- Group working to develop guidelines on different applications under the elastography umbrella
- Goal: common reference system to compare different technologies and differentiate the frequency range
  - Feedback from Dr. Nightingale and AIUM to build a case will be helpful
  - Dr. Fick confirmed that NIST would be willing to assist with statistical support
- Group is also working on an abstract for AIUM, due by September 27th.

Phantom –System Measurement Testing Subcommittee Update
- A variety of phantom material types have been reviewed; more information regarding specific dimensions is needed:
  - Size of loss modulus to affectively test systems
  - What is being measured and how it is being measured in a variety of liver tissues
  - Cross-system multi-laboratory measurements
- Next steps are to discuss which direction should be followed by the subcommittee
  - Possibility of two materials for study and evaluation
  - Volunteer inter-laboratory comparison
System Dependencies Subcommittee Update

- Frequency ranges for different devices with most important sources or variability are needed from manufacturer representatives, including **center of frequency** and **bandwidth**
- Possibility of a reference table was suggested in order to compare phantom results generated on multiple machines

Next steps:

- References for the searchable database of papers to be sent to Dr. Palmeri: mark.palmeri@duke.edu or Dr. Wear: Keith.Wear@fda.hhs.gov
- Clinical Applications and Biological Targets Subcommittee to discuss measurement comparison issues.
- Mr. Cohen-Bacrie to make preparations for the poster; RSNA staff to send a reminder to Subcommittee Co-Chairs
- RSNA staff to circulate a Doodle poll to the technical committee to sign up for “Meet-the-Experts” poster sessions
- RSNA staff to provide citation format

### Upcoming QIBA US SWS Calls

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<thead>
<tr>
<th>Date</th>
<th>Time (CT)</th>
<th>Day</th>
<th>Committee/ Subcommittee</th>
<th>Moderator</th>
</tr>
</thead>
<tbody>
<tr>
<td>09/28/2012</td>
<td>11:00 am CT</td>
<td>Friday</td>
<td>System Dependencies Subcommittee</td>
<td>Dr. Palmeri</td>
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<tr>
<td>10/01/2012</td>
<td>1:00 pm CT</td>
<td>Monday</td>
<td>Clinical Applications &amp; Biological Targets Subcommittee</td>
<td>Dr. Samir</td>
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### 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)**

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