

QIBA Ultrasound Shear Wave Speed (SWS) Technical Committee

Friday June 7, 2013; 11 AM CT

Call Summary

In attendance

Brian Garra, MD (Co-Chair)

Timothy J. Hall, PhD (Co-Chair)

Andy Milkowski, MS (Co-Chair)

Kaisar Alam, PhD

Michael Andre, PhD

Tharakeswara K. Bathala, MBBS, MD

Paul Carson, PhD

Shigao Chen, PhD

Claude Cohen-Bacrie, MS

David Cosgrove, MD

Jennifer Kugel, MS (RT)

Ted Lynch, PhD

Stephen McAleavey, PhD

Mark Palmeri, MD, PhD

Cedric Schmitt, PhD

Keith Wear, PhD

Hua Xie, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Moderator: Mr. Milkowski

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- QIBA subcommittee call moderators: confirmation of call details
- Define the proposed project goals, estimated cost and duration, expected leader(s) of each. (There will be ~20 days to put the proposal together.)
- **Clinical Sub-Committee:**
 - Review other QIBA Profiles and determine next steps (example provided at link below)
http://www.bbmsc.com/2011_07_28_Profile_CT_Advanced_Disease_V2_Of.pdf
- **Phantom Sub-Committee:**
 - Discuss existing phantom and potential action plans
 - Discuss next phantom
- **Systems Sub-Committee:**
 - Review data and agreement on next steps.
 - Review Milkowski presentation of all data.

Other: Group members plan to meet at the upcoming *Ultrasonic Imaging and Tissue Characterization (UITC) Symposium* (June 10-12 in Arlington, VA) to discuss phantom studies and phantom-related topics. There will **not** be a June call for the Phantom Subcommittee due to the symposium.

Next call: Friday, 6/14/2013 - QIBA US SWS System Dependencies Subcommittee, 11 am CT (Dr. Wear)

Discussion

- Dr. Carson to coordinate collection of finalized project proposals for funding RFP – with anticipated due date of June 21st
- Co-chairs reminded the clinical subcommittee that some of their assigned tasks will be needed to advance the Profile
- Assigned tasks re: the Clinical Applications Group included the following:
 - Review of the literature
 - Review of other types of Profiles (different modalities for comparison)
 - Devise a clinical pilot study utilizing the clinical parameters that will most affect shear wave speed measurements
 - Take into consideration whether it can be built upon for future studies, and the types of studies
 - Determine what actions are needed to support a draft of the Profile
 - Define a protocol for measuring clinical conditions that leverage results
 - Need to specify project details found in the literature in efforts to develop and support claim language
 - Goal is to correlate shear wave and fibrosis
- RSNA staff to distribute a blank Profile template to the group, for reference
- The phantom group is working to address ground truth in their design of Phase II of the Phantom Study
- Mr. Milkowski will distribute his data analysis to those who contributed to the study

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

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](#)