

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

Friday, June 12, 2015; 11 AM CT

Call Summary

In attendance

Timothy J. Hall, PhD (Co-Chair)

Andy Milkowski, MS (Co-Chair)

Paul Carson, PhD

Jun Chen, PhD

Elaine Collins, RDMS

Manish Dhyani, MD

Albert Gee, MD

Gilles Guenette, RDMS, RDCS, RVT

Zaegyoo Hah, PhD, MBA

Alpana Harisinghani, MD

Christopher Hazard, PhD

Mike MacDonald, PhD

Yasuo Miyajima, MS

David Napolitano

Nancy Obuchowski, PhD

Mark Palmeri, MD, PhD

Nicolas Rognin, MSc, PhD

Stephen Rosenzweig, PhD

Anthony Samir, MD

Marijean Trew

Matthew Urban, PhD

Michael Wang, PhD, MASc

Hua Xie, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Moderator: Dr. Hall

Review of May 22nd US SWS BC call notes

- Approved as written

Round-5 US SWS Funded Project Proposals

- Dr. Hall provided a brief synopsis of both proposed projects:
 - 1) Analysis of Sources of US SWS Measurement Inter-System Variability (PI: Mark Palmeri, MD, PhD)
 - 2) Establishing the Effect of Protocol Deviations on Least Detectable Change on Serial Somoelastography (PI: Anthony Samir, MD)
- The US Coordinating Committee (CC) will recommend funding scaled-back versions of both projects, with a 'preference' to the simulation project (Dr. Palmeri), due to its practical application and accessibility

Proposed New Ultrasound Biomarkers

- Voting has come to a close for the new biomarker recommendations, and the two highest ranked were:
 - 1) Blood Volume Flow and
 - 2) Quantitative Contrast Enhanced Ultrasound (CEUS)
- Next steps will now include the following:
 - 1) Discussion between the QIBA US CC and the AIUM TSC regarding biomarker ranking and level of AIUM admin support moving forward
 - 2) Formal proposal for a new biomarker following QIBA guidelines

Draft Profile for QIBA US SWS

- A draft Profile for QIBA US SWS has been distributed to the BC for feedback, particularly for manufacturer protocols, to be included in the appendices
- Manufacturers are asked to provide requested details **by July 1st** to keep the Profile moving forward
- Feedback or any additions for the Profile may be sent to any of the Profile co-authors:
 - Dr. Garra: bgarra@gmail.com
 - Dr. Samir: asamir@mgh.harvard.edu
 - Dr. Dhyani: Dhyani.Manish@mgh.harvard.edu
- Once a complete first draft is ready and approved by the US CC, it will be released for Public Comment, with subsequent comment soon after
- A draft Profile (v1.0) is expected by the 2015 RSNA Annual Meeting in November

Action items:

- Drs. Hall and Garra to follow up with AIUM regarding the recommendations for a new biomarker

Upcoming Calls (Fridays, 11 am CT):

June

- **June 19:** QIDW Demo for US SWS Biomarker Ctte (Dr. Palmeri)
- **June 26:** Clinical Applications Task Force (Dr. Samir)

Proposed July:

- **July 3:** **No call – RSNA offices closed**
- **July 10:** US SWS Biomarker Ctte (Dr. Garra, if available)
- **July 17:** System Dependencies/ Phantom Task Force (Dr. Wear, if available)
- **July 24:** Clinical Applications Task Force (Dr. Samir, if available)
- **July 31:** **No call (?)**