

QIBA Ultrasound Shear Wave Speed (SWS) Technical Committee

Monday, December 9, 2013; 1 PM 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

Richard Barr, MD, PhD

Jeremy Bercoff, PhD

Paul Carson, PhD

Shigao Chen, PhD

Steven E. Fick, PhD

Alpana Harisinghani, MD

Mike Macdonald, PhD

Kathy Nightingale, PhD

Mark Palmeri, MD, PhD

Nicolas Rognin, MSc, PhD

Daniel Sullivan, MD

Kai Thomenius, PhD

Keith Wear, PhD

Zheng Zhang, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Moderator: Mr. Milkowski

Summary from November 4, 2013 Tech Ctte t-con was approved as written

Depth Dependencies

Work continues into the investigation of depth dependency variations; Siemens and SSI Imagine plan to address variance

Mr. Milkowski is following up with Dr. Andre at UCSD on the peer review manuscript to pinpoint the source of outlying variation

Dr. Chen agreed to be the Mayo contact person for visco-elastic measurements for the MRE phantom; additional data is needed to compare with US SWS measurements

Dr. Nightingale received a new shipment of phantoms and is working on obtaining a few additional iterations from the three different phantom recipes

Clinical update

Dr. Samir has begun a review of the clinical literature for confounders; completion targeted for the end of February

Other group members are working on data gathering

Slight protocol modification may be needed to better match the UPICT template

A template (Excel spreadsheet) was suggested for acquisition sites to enter collected data; feedback is welcome

Action Items:

Next Phantom / System Dependencies **combined** subcommittee call (**Monday, December 16th at 1 pm CT**) – Continued discussion of results / relationships in data between Duke and Rheolution studies

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

Proposed January Call Schedule:

Date	Time (CT)	Day	Committee/ Subcommittee	Moderator
01/10/2014	11:00 am CT	Friday	US SWS Technical Committee	Dr. Garra
01/17/2014	11:00 am CT	Friday	COMBINED: System Dependencies / Phantom System Testing & Measurement Subcommittees Call	Dr. Palmeri
01/31/2014	11:00 am CT	Friday	US SWS Clinical Applications Subcommittee	Dr. Samir