

**QIBA Ultrasound Shear Wave Speed (SWS) Combined Call:
System Dependencies and Phantom-System Measurement Testing Subcommittees**

Friday, March 7, 2014; 11 AM CT

Call Summary

Notes provided by Dr. Wear

In attendance

Mark Palmeri, MD, PhD (Co-Chair)

Keith Wear, PhD (Co-Chair)

S. Kaisar Alam, PhD

Michael Andre, PhD

Shigao Chen, PhD

Ron Daigle, PhD

Steven Fick, PhD

Christopher Hazard, PhD

Mike MacDonald, PhD

Kathy Nightingale, PhD

Daniel Sullivan, MD

Matthew Urban, PhD

Michael Wang, PhD, MASc

Hua Xie, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Moderator: Keith Wear, PhD

General Discussion:

- The call summary from 02-21-2014 combined (Phantom subcommittee) and (System Dependencies subcommittee) was approved.

Agenda:

1. Update on measurements in University of Wisconsin phantoms
2. Discussion of Data Acquisition Protocol for Phase II
3. Simulation Update

1. Tests of CIRS Phase II phantom samples

Kathy Nightingale's group at Duke tested some prototype Phase II phantom samples from the University of Wisconsin. These phantoms showed shear wave speeds consistent with the range observed in humans. However, the dispersion was considerably lower than the range observed in humans.

Kathy's group is currently testing the latest batch of phantoms that they just received from Ted Lynch at CIRS, and these phantoms are looking more promising. Kathy's group will have those results compiled soon.

2. Discussion of Data Acquisition Protocol for Phase II

Due to insufficient attendance by influential committee members, this discussion was deferred to a future teleconference.

3. Simulation Update

Mark Palmeri created a space on GitHub for sharing publicly-available simulation code. Dan Sullivan and other staff at QIBA are looking into requirements for allowing QIBA recognition of this software. Some code originally had proprietary information related to Siemens transducers. The code is being cleaned up in order to not to reveal proprietary information.

Schedule for March:

Date	Time (CT)	Day	Committee/ Subcommittee	Moderator
03/14/2014	11:00 am CT	Friday	US SWS Technical Committee (guest speaker, Dr. Rubin)	Mr. Milkowski
03/21/2014	11:00 am CT	Friday	COMBINED: System Dependencies / Phantom Subcommittees	Dr. Palmeri
03/28/2014	11:00 am CT	Friday	US SWS Clinical Applications Subcommittee	Dr. Samir

Conferences for Ultrasound on QIBA Wiki

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