

**QIBA Ultrasound Shear Wave Speed (SWS)
Phantom-System Measurement Testing**
Monday, October 21, 2013; 1 PM CT
Call Summary

In attendance

Brian Garra, MD (Co-Chair)	Steven Fick, PhD	Cedric Schmitt, PhD
Timothy J. Hall (Co-Chair)	Ted Lynch, PhD	Daniel Sullivan, MD
Michael Andre, PhD	Kathy Nightingale, PhD	Keith Wear, PhD
Paul Carson, PhD	Mark Palmeri, MD, PhD	Hua Xie, PhD
Shigao Chen, PhD	Nicolas Rognin, MSc, PhD	

RSNA

Joe Koudelik
Julie Lisiecki

Moderator: Dr. Hall

Agenda, October 21, 2013, Monday, 1 pm CT

1. Review of summary from previous meeting—all
2. Discussion of additional results from Phase 1 study (these plots) and plans for Phase 2.

Summary/Action Items:

Phantom plots from four different DMA tests with combined data were discussed

- Conditions included: dynamic compressive loading and shear apparatus, with boundary conditions within 10%
- Phase I Phantom Study data is not yet complete; statistical analysis in progress

Specifications for the phantom(s) to be ordered from CIRS, Inc. and from Dr. Madsen were discussed.

- Consensus on the key material phantom properties is necessary prior to placing these orders
- Phantom manufacturers will need a range of values to claim compliance for the phantoms
- Two phantoms with a higher loss but similar storage modulus are being considered

Additional literature investigation may be needed for MRE phantom fabrication and measurements; not all necessary specifications are in place

Phase spectroscopy method has garnered some success with existing data

The group is working to resolve questions regarding phantom depth dependencies, as well as discrepancies between SWS systems

Proposed November Call Schedule:

<i>Date</i>	<i>Time (CT)</i>	<i>Day</i>	<i>Committee/ Subcommittee</i>	<i>Moderator</i>
11/04/2013	1:00 pm CT	Monday	US SWS Technical Committee	Dr. Hall
11/15/2013	11:00 am CT	Friday	System Dependencies Subcommittee	Dr. Palmeri
11/18/2013	1:00 pm CT	Monday	Phantom System Testing & Measurement Subcommittee	Dr. Garra

RSNA 2013 Annual Meeting - QIBA Technical Committees Working Meeting:

Wednesday, December 4th | 2:30pm – 5:00pm | Chicago, McCormick Place | Room: **N136**

Please let us know whether you plan to attend by responding to the following poll:

<http://www.doodle.com/fwf76cegg78r75b>.

We appreciate your continued support and look forward to your participation - Thank You!

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.