

QIBA Ultrasound Shear Wave Speed (SWS) Technical Committee

Friday, July 18, 2014; 11 AM CT

Call Summary

In attendance

Brian Garra, MD (Co-Chair)	Manish Dhyani, MD	Daniel Sullivan, MD
Tim J. Hall, PhD (Co-Chair)	Yasuo Miyajima, MS	Michael Wang, PhD, MASc
Andy Milkowski, MS (Co-Chair)	Kathy Nightingale, PhD	Keith Wear, PhD
Kaisar Alam, PhD	Nancy Obuchowski, PhD	
Michael André, PhD	Mark Palmeri, MD, PhD	RSNA
Paul Carson, PhD	Nicolas Rognin, MSc, PhD	Joe Koudelik
David Cosgrove, MD	Vijay Shamdasani, PhD	Madeleine McCoy

Moderators: Dr. Hall

Discussion

- Mr. Milkowski and Dr. Obuchowski to follow up offline re: input on compliance, statistical wording, study design and sample size
- The IEEE paper was discussed re: approaches used to compare bias and variance across systems
- Dr. Hall suggested a follow-up Co-chair/Dr Obuchowski t-con to discuss statistics, i.e., sample size, study design, etc.
- Phase II Phantom samples discussed
- Manufacturers providing parameters for raw data processing
 - Each manufacturer to appoint a person to process raw scanner data
 - Practicality of the manufacturers providing random third-party sites with parameters
- A new request for raw data processing for the Phase II phantom analysis.
 - Practicality for manufacturers to provide sites with necessary parameters to process raw data from the clinical studies that Dr. Samir will be performing at MGH.
 - Have each manufacturer designate an internal point person who could process data, or pass the data off to a research institution with which a given manufacturer has an existing research agreement.
 - Data acquisition sites—clinical data from different sites preferred for Phase II Phantoms
 - Clinical Sites encouraged to be involved in Phantom Studies as well
- Timetable discussed for the Round 3 target of raw data for the end of October
- Data will be sent to Duke and the Phantom will be shipped to Mayo

Action Items:

- Dr. Garra, Mr. Milkowski and Dr. Obuchowski to correspond offline
- Dr. Hall to forward the recent IEEE paper to Dr. Obuchowski for stat input re: a correct approach to compare bias and variance measurements across vendors systems
- Dr. Hall to circulate list of tasks and proposed timelines to all participating site investigators.
- Dr. Hall will follow-up with Dr. Madsen regarding the coupling problem related to the Phantom.

August call dates – Fridays at 11 am CT:

- Friday, **August 1, 2014**: Systems/ Phantom SC – Dr. Wear
- Friday, **August 8, 2014**: Clinical SC – Dr. Samir
- Friday, **August 15, 2014**: Technical Committee – Dr. Garra
- Friday, **August 22, 2014**: Systems/ Phantom SC – Dr. Palmeri
- Friday, August 29, 2014: **No call**