

QIBA Ultrasound Shear Wave Speed (SWS) Technical Committee

Friday, March 14, 2014; 11 AM CT

Draft Call Summary

In attendance

Brian Garra, MD (Co-Chair)

Andy Milkowski, MS (Co-Chair)

Kaisar Alam, PhD

Michael Andre, PhD

Richard Barr, MD, PhD

Paul Carson, PhD

Jun Chen, PhD

Shigao Chen, PhD

David Cosgrove, MD

Steven E. Fick, PhD

J r mie Fromageau, PhD

Christopher Hazard, PhD

Oliver Kripfgans, PhD

Mike MacDonald, PhD

Stephen McAleavey, PhD

Kathy Nightingale, PhD

Jonathan Rubin, MD, PhD

Keith Wear, PhD

Hua Xie, PhD

Jim Zagzebski, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Moderator: *Mr. Milkowski*

Agenda:

- Review of notes from prior meeting
- Presentation on Volume Flow by Dr. Jonathan Rubin
- Concepts for proposed Year-4 NIBIB projects are due **April 7th**
- Summary from February 10, 2014 Tech Ctte t-con was approved as written

Presentation on Volume Flow by Dr. Jonathan Rubin

- Medical Applications of volume flow may be as follows:
 - Cardiac Output and Stroke Volume
 - Renal or Hepatic – TIPS
 - Including perfusion measurements
 - Transplants
 - Umbilical cord
 - Cerebral blood flow
 - Peripheral run-off studies
 - Aortic aneurysm assessments
 - Dialysis shunt evaluations
 - Anywhere where flow indices, e.g., RI, PI, S/D are presently used
- Group also referred to the [Biomarker Selection Criteria](#) on the RSNA website
- Both Philips and GE have patents on the volume flow technique
- An immediate clinical impact could be made in the following areas:
 - measuring arterial flow before and after transplants in cardiac testing
 - regulatory implications for Pharma re drug development
 - drug companies are making drugs that increase blood flow
 - could provide a more standard method to evaluate drugs
- Proposal needs additional refinement for a better business case.
 - Dr. Garra to look at drug companies
- Update on simulations of phantoms was deferred to the next meeting due to lack of time.

Reminders

- Concepts for proposed Year-4 NIBIB projects are due **April 7th** for Steering Ctte review on April 17, and, if selected, eventual NIBIB submission in July.
- RSNA CALL FOR ABSTRACTS: <http://abstract/rsna.org/> Deadline is **Wednesday, April 9, 2014 at 12 Noon, Central Time**

Action Items:

- Dr. Garra to follow up with RSNA staff regarding an email to the tech ctte to discuss concept proposals and phantom study updates.
- RSNA staff to arrange a co-chairs call in the next week to discuss concept proposals.

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

Schedule for March:

<i>Date</i>	<i>Time (CT)</i>	<i>Day</i>	<i>Committee/ Subcommittee</i>	<i>Moderator</i>
03/21/2014	11:00 am CT	Friday	COMBINED: System Dependencies / Phantom Subcommittees Call	Dr. Palmeri
03/28/2014	11:00 am CT	Friday	US SWS Clinical Applications Subcommittee	Dr. Samir

Proposed Schedule for April:

<i>Date</i>	<i>Time (CT)</i>	<i>Day</i>	<i>Committee/ Subcommittee</i>	<i>Moderator</i>
04/11/2014	11:00 am CT	Friday	US SWS Technical Committee	Dr. Hall
04/18/2014	11:00 am CT	Friday	COMBINED: System Dependencies / Phantom Subcommittees Call	Dr. Palmeri
04/25/2014	11:00 am CT	Friday	US SWS Clinical Applications Subcommittee	Dr. Samir

[Conferences for Ultrasound](#) on QIBA Wiki