

**QIBA Ultrasound Shear Wave Speed (SWS)
Clinical Applications and Biological Targets Subcommittee Call**

Monday, 1 October 2012; 1 PM CT

Call Summary

In attendance

Claude Cohen-Bacrie, MS, (Co-Chair)

David Cosgrove, MD, (Co-Chair)

Anthony Samir, MD, (Co-Chair)

Michael Andre, PhD

Paul L. Carson, PhD

C line Fournier, PhD

Brian Garra, MD

Gilles Guenette, RDMS, RDCS, RVT

Steve Metz, PhD

Mark Palmeri, MD, PhD

Claude Sirlin, MD

RSNA

Joe Koudelik

Julie Lisiecki

Moderator: Anthony Samir, MD

Discussion

- Dr. Cosgrove provided an update on the EFSUMB Recommendations and Guidelines on the Clinical Use of Elastography
 - Due to the document's length, it has been divided into two papers: 1) background, and 2) clinical application
- Group to consider expanding list of confounders
- E-mail confounder category suggestions to co-chairs with mitigation strategies
 - Dr. Cosgrove (d.cosgrove@csc.mrc.ac.uk); Mr. Cohen-Bacrie (claudio.cohen-bacrie@supersonicimagine.fr); or Dr. Samir (asamir@partners.org)
- Confounders may help to filter the patients, i.e., as in a mixture of patients with steatosis and fibrosis
 - These factors will need to be studied and incorporated into the protocol for image acquisition
- Currently, no reference standard exists for best image identification
- Possibilities and contingencies for quantitative measurements also discussed

LI-RADS (Liver-Imaging Reporting and Data System) partnership with QIBA (Dr. Sirlin)

- LI-RADS developed out of a need to address standardization of interpretations of lesions in the liver, as well as standardization of terminology
- Currently LI-RADS measurements are qualitative and only interpret liver lesions with extra-cellular contrast agents, for CT and MRI modalities
- QIBA hopes to apply these principles to quantitative measurements for Ultrasound using specific blood measurements in trying to develop a standardized structured reporting template

Next Steps:

- Subcommittee members to email co-chairs with confounding factors that will affect measurements (emails above)
- Drs. Andre and Sirlin to keep the group updated regarding the LI-RADS effort and continue collaboration
- Dr. Cosgrove to follow up with Dr. Sirlin regarding use of off-label contrast agents use
- Dr. Palmeri to review System Dependencies recent presentation on next call, 10/22.

The following calls are confirmed:

- Friday, **October 12, 2012** – US SWS Technical Committee, at **11 am CT**
- Friday, **October 19, 2012** – US SWS System Dependencies Subcommittee, at **11 am CT**
- Monday, **October 22, 2012** – Clinical Applications and Biological Targets Subcommittee, at **1 pm CT**
- Monday, **October 29, 2012** – Next US SWS Technical Committee call, at **1 pm CT**

There will be NO Calls on Monday, October 8th or Monday, October 15th for Ultrasound.

Conferences:

- **IEEE Ultrasonics Symposium – Dresden, Germany (October 7-10)**

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