

**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](mailto:d.cosgrove@csc.mrc.ac.uk)); Mr. Cohen-Bacrie ([claude.cohen-bacrie@supersonicimagine.fr](mailto:claude.cohen-bacrie@supersonicimagine.fr)); or Dr. Samir ([asamir@partners.org](mailto:asamir@partners.org))
- Confounders may help to filter the patients, e.g., as in patients with a mixture of 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 focal lesions in the liver, as well as standardization of terminology
- Currently LI-RADS measurements are qualitative and only interpret focal liver lesions with extra-cellular contrast agents, for CT and MRI
- When diffuse diseases are included (as is envisaged), the LI-RADS lexicon will be directly relevant to this QIBA initiative
- 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 8<sup>th</sup> or Monday, October 15<sup>th</sup> for Ultrasound.**

**Conferences:**

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

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](mailto:QIBA@RSNA.org) if their attendance is not reflected on the call summaries. [QIBA wiki](#)