

## QIBA Ultrasound Shear Wave Speed (SWS) Biomarker Committee (BC)

Friday, December 11, 2015; 11 AM CT

### Call Summary

#### In attendance

Tim J. Hall, PhD (Co-Chair)  
Brian Garra, MD (Co-Chair)  
S. Kaisar Alam, PhD  
Michael André, PhD  
Paul Carson, PhD  
Jun Chen, PhD  
Shigao Chen, PhD

Mathieu Couade, PhD  
Albert Gee  
Zaegyoo (Jay) Hah, PhD, MBA  
Mike MacDonald, PhD  
Stephen McLeavey, PhD  
Yasuo Miyajima, MS  
Kathy Nightingale, PhD

Nancy Obuchowski, PhD  
Mark Palmeri, MD, PhD  
Stephen Rosenzweig, PhD  
Remi Souchon, PhD  
Marijean Trew  
Michael Wang, PhD, MASC  
Keith Wear, PhD

#### RSNA

Joe Koudelik  
Julie Lisiecki

Moderator: Dr. Hall

#### Review of November 6<sup>th</sup> US SWS BC call notes

- Notes were approved as written

#### Profile for US SWS

- The Profile Writing Group may try to convene independently before the holidays
- Section authors need to be identified to help convert current Profile text to the revised template
- Claims will be outlined in a separate guidance document
- The group is trying to uncover the underlying bias that cannot be resolved solely with phantoms
- SSI will work with Dr. Palmeri's simulated data to provide additional information needed for the Profile
- Drs. Cosgrove and Samir advocated publishing the SWS Profile before moving on to another biomarker
- Draft Profile slated to be ready by the April QIBA annual meeting

#### Updates from RSNA 2015

- The QIBA posters and breakout sessions were well-attended
- Manufacturers were well-represented at all of the QIBA US meetings
- Dr. Hall helped to lead the Volume Blood Flow (VBF) group
- Additional biomarkers (besides VBF) under consideration by the QIBA Ultrasound Coordinating Committee:
  - Thyroid Elasticity (based on shear wave speed, expanding beyond the liver)
  - Contrast (CEUS)
    - If this were to go forward with aid from Pharma, the focus could be inflammatory bowel disease
- Possible federal funding resources for additional biomarkers may be available, but these are yet to be confirmed by Dr. Garra

#### Phase II Phantom Studies

- New participants from INSERM and Echosens (France) and Germany will be added to the phantom study.
- Additional analysis for Phase II will need to be updated, utilizing Dr. Palmeri's simulation data
- Manufacturers will likely want to do their own analysis of sources of variance

#### Action item

- RSNA Staff to add Ms. Trew for the next US Coordinating Committee Call, for Wednesday, January 20<sup>th</sup> at 1:30 pm CT

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#### Meetings:

[RSNA 2015: November 29 – December 4<sup>th</sup>](#)

January QIBA Ultrasound Calls (Fridays, 11 am CT):

- Jan 8: US SWS Systems / Phantom Task Force
- Jan 15: US SWS Clinical Task Force
- *Jan 20: US Coordinating Committee Call, 1:30 pm CT*
- Jan 22: US SWS Biomarker Committee
- Jan 27: f2f meeting in Chicago (*QIBA Steering Committee only*)

#### **2016 - 2017 US Conferences**

- January 21 – 22, 2016: Bubble Conference: European Symposium of Ultrasound Contrast Imaging – The Netherlands

#### **February (Fridays, 11 am CT):**

- Feb 12: US SWS Systems / Phantom Task Force
- Feb 19: US SWS Clinical Task Force
- Feb 26: US SWS Biomarker Committee