

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

Friday, August 19, 2016; 11 AM CT

Draft Call Summary

In attendance

Tim J. Hall, PhD (Co-Chair)
Brian Garra, MD (Co-Chair)
Andy Milkowski, MS (Co-Chair)
Michael André, PhD
Brian Anthony, PhD
Paul Carson, PhD
Jun Chen, PhD
Shigao Chen, PhD
Yuling Chen, PhD

Elaine Collins, RDMS
David Cosgrove, MD
Manish Dhyani, MD
Todd Erpelding, PhD, MSE
Steven Fick, PhD
Joel Gay, MSc
Al Gee
Alpana Harisinghani, MD
Mike MacDonald, PhD

Kathy Nightingale, PhD
Mark Palmeri, MD, PhD
Nicolas Rognin, MSc, PhD
Suraj Serai, PhD
Matthew Urban, PhD
Michael Wang, PhD, MASC
Keith Wear, PhD
Hua Xie, PhD

RSNA

Joe Koudelik
Julie Lisiecki

Moderator: Dr. Hall

Ultrasound Round 6 QIBA Projects Selected

- Two projects have been selected for US, pending final approval from the NIBIB Contract Officer:
 - US SWS:** Establishing Acceptable Variance Limits for Healthy, F1 and \geq F2 Fibrosis Shear Wave Speed Values Across Systems and Between Operators for the QIBA Profile, Dr. Dhyani
 - VPF:** Examination of Flow Phantom as Reference Standard for Validation of Ultrasound Volume Blood Flow Measurement, Dr. Kripfgans
- The research regarding MRE – related US measurements will continue with assistance from Mayo, as this is vital to the group effort
 - Mayo is willing to aid the research effort with support of a small number of phantoms to determine the feasibility of calibrating scanners at higher frequencies
 - To continue moving the US research forward in other areas of the body, which may be much stiffer than the liver, a calibration at higher frequencies is needed
 - A range between 200 – 500 Hz in 50 – 100 Hz increments is under consideration, to be tested by Dr. J. Chen

Phantom Tracking

- A set of phantoms were sent to France and were measured by Dr. Souchon
- Phase II phantoms were sent to Dr. J. Chen at Mayo from Dr. Hall at U-Wisconsin
- Dr. Hall to contact Mr. Julian Lee at Alpinion Medical Systems (Washington State) for phantom retrieval and data that should be sent to Mayo
- Dr. André also has a set of MRE phantoms (if needed) from Phase I at UCSD
- Dr. Hall would like Phase I phantoms and the second set of Phase II phantoms to be sent to Dr. J. Chen at Mayo for elastic and softer measurements

QIBA Working Meeting and Breakout Groups at RSNA 2016

- A formal announcement will be distributed; however, active QIBA team members are invited to save the date for **Wednesday, November 30th** from ~2:30 – 5:30 pm; Rooms TBD

Dashboard Updates

- The “dashboard” is a tracking spreadsheet maintained by each modality’s Scientific Liaison
- Dr. Carson will be updating the dashboard on each BC call to keep track of the group’s accomplishments and project progress
- Please send him any relevant updates: pcarson@umich.edu. Thank you.

SEPTEMBER US WebEx / Conference Schedule	
WebEx: Sept 02: Systems / Phantom Task Force Sept 09: Clinical Task Force Sept 16: US SWS BC Sept 23: CEUS BC Sept 30: (no call or alternate for Bubble Conference)	Conferences/ Meetings: Sept 8-9, 2016: Bubble Meeting, Chicago, IL Sept 10, 2016: Basic CEUS Training 101: Bubble Meeting, Chicago, IL Sept 18 – 21, 2016: 2016 IEEE International Ultrasonics Symposium (IUS) – Tours, France