

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

Wednesday, April 13, 2022; 2 PM CT

Call Summary

In attendance

David Fetzer, MD (Co-Chair)

Stephen McAleavey, PhD (Co-Chair)

Stephen Rosenzweig, PhD (Co-Chair)

Michael André, PhD

Richard Barr, MD, PhD

Paul Carson, PhD

Anil Chauhan, MD

Jun Chen, PhD

Todd Erpelding, PhD, MSE

Giovanna Ferraioli, MD

J. Brian Fowlkes, PhD

Kathy Nightingale, PhD

Kevin O'Donnell, MASC

Arinc Ozturk, MD

Mark Palmeri, MD, PhD

Gabriela Torres, PhD

Keith Wear, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Moderator: Dr. McAleavey

SWS BC Consensus Profile Ballot Update

- The BC vote-to-publish the revised Profile at the Consensus stage was successful.
- The ballot closed at EOB on Tuesday, April 12, 2022, with a majority ([12 votes](#)) in favor to release the Profile ([N=15](#)), with 0 “no” votes or abstentions.
- The next steps in the Profile review process are:
 1. to conduct a vote at the US Coordinating Committee level
 2. to post this updated version to the [Profiles QIBA Wiki page](#) along with the Public Comment resolution document.

The following were discussed:

- Revisions to the Profile based on BC Consensus voting feedback, e.g., vendor edits to appendices, changes of company affiliation
- Clarification of “shalls” (must do) vs. “shoulds” (recommended to do)
- Publication / advertising of the Profile as available for use once it reaches Technical Confirmation, including the GI community
- Technical Confirmation planning and vendor conformance statements
- Suggestions for two potential publications to be submitted to the *Journal of Ultrasound in Medicine (JUM)*:
 1. “How to” use the Profile and Checklist
 2. Why certain checklist items were included – to provide rationale to users to aid with understanding
- Politics of competing technologies in the clinical environment
- Update to the Society of Radiologists (SRU) in Ultrasound Liver Elastography Consensus Statement
- QIBA Profile focus on how to achieve technical performance and help users achieve consistent measurements

Action items (general):

- [Dr. Barr](#) offered to “pre-review” any proposed publications to aid with publication preparation
- [Dr. Carson](#) suggested that bias specifications be added to the next version of the Profile
- RSNA staff to distribute DICOM documents for comments to [Mr. O'Donnell](#) prior to June 1st
- All to bring an outline of ideas to the next call to discuss re: publications and let the co-chairs know if they are interested in being potential authors
- Vendors will use the SRU guidance to adjust machines to meet prescribed interpretation and decrease variability

Action items (Profile e-ballot):

- [Mr. O'Donnell](#) to proofread the checklist for “shalls” vs. “shoulds,” and make any needed adjustments
- Co-chairs to submit a [Public Comment Resolution document](#) for wiki posting
- RSNA staff to send e-ballot to US Coordinating Committee members
- Co-Chairs were advised to talk with [Dr. Timothy Hall](#) regarding next steps for Profile publication / promotion

Next Steps per *QIBA Process Committee*

- Circulate the resulting Profile & Checklist for formal CC approval (email ballot) – (Resolve any ballot comments)
- Publish as Stage 2: Consensus and move on to Stage 3: Technically Confirmed. (Feasibility test the new checklists.)
- Plan for Technical Confirmation will require at least 3 volunteer sites to fill out the checklist demonstrating feasibility of following the Profile (a Google form would be ideal)
 - Ideal situation (not always possible) would be to identify sites/ reps not involved with Profile development to obtain “unbiased,” real-world user feedback

Profile Approval Process: See voting and balloting process links: <http://qibawiki.rsna.org/index.php/Process>

Minor Profile updates do not require voting but must be documented appropriately for versioning

Next call – *Wednesday, May 11th at 2 pm CT {now 2nd Wednesdays of the month}*