

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

Wednesday, May 11, 2022; 2 PM CT

Call Summary

### In attendance

David Fetzer, MD (Co-Chair)

Stephen McAleavey, PhD (Co-Chair)

Jun Chen, PhD

Todd Erpelding, PhD, MSE

J. Brian Fowlkes, PhD

Nancy Obuchowski, PhD

Kevin O'Donnell, MASc

Arinc Ozturk, MD

Mark Palmeri, MD, PhD

Michael Wang, PhD, MASc

Keith Wear, PhD

### RSNA

Joe Koudelik

Julie Lisiecki

**Moderator:** Dr. Fetzer

### VOTE PASSED: US CC Consensus Ballot

- The US Coordinating Committee (CC) vote-to-publish the revised Profile at the Consensus stage was successful.
- The ballot closed at EOB on Tuesday, May 3 with a majority (**11 votes**) in favor to release the Profile (**N=19**), with 0 “no” votes or abstentions.
- The Consensus Profile and Checklist have been posted to the [Profiles QIBA Wiki page](#).
- The Public Comment resolution document is still needed for wiki posting.

### The following were discussed:

- Publication / advertising of the [Profile](#) as available for use
- Technical Confirmation planning, aka Profile feasibility testing
- 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

### Action items (general/ongoing):

- Co-chairs to submit a [Public Comment Resolution document](#) for wiki posting
- Co-chairs to prepare a manuscript outline for the next call and ask for volunteers to draft sections
- Minor revisions to the Profile based on feedback, e.g., vendor edits to appendices, changes of company affiliation
- Vendors will use the SRU guidance to adjust machines to meet prescribed interpretation and decrease variability
- A second manuscript to be considered with clinical insights after feasibility testing observations are compiled
- Include reference to [Dr. Palmeri’s manuscript in JUM, January 2021](#)

### Action items (feasibility testing):

- [Dr. Fetzer](#) to add suggested site opinion columns to the checklist for feasibility testing:
  1. Did you conform? (y/n)
  2. Do you think this is feasible / practical on a regular basis? (y/n)
  3. Site feedback for all “No” responses
- RSNA staff to send checklist with opinion columns to BC and invite anyone interested to participate in feasibility testing
- Dr. McAleavey to reach out to network colleagues at Rochester General
- Dr. Ozturk to reach out to network colleagues in Boston

### Next Steps per QIBA Process Committee

- Plan for Technical Confirmation (Stage 3) will require at least 3 volunteer sites to fill out the checklist demonstrating feasibility of following the Profile (a Google form would be ideal)
- Process links: <http://qibawiki.rsna.org/index.php/Process>

**Next call** – *Wednesday, June 8<sup>th</sup> at 2 pm CT* {2<sup>nd</sup> Wednesdays of the month}

## *Additional detailed notes provided by Dr. McAleavey*

Next steps:

- Profile is posted to QIBA Wiki
- SMCa needs to complete comment resolution

Technical conformance:

- Need at least 3 volunteers
  - Read the checklist and do it
    - If can't figure it out – fix checklist
    - If “you really think we can do that” – get comments and fix list
    - Take notes – points of confusion, “what’s the point of this,” suggestions, etc.
    - Extra columns:
      - Did you conform? (Y/N)? If no, why?
      - Would you do this on a regular basis? (Y/N)? If no, why?
    - David will fix up checklist with these columns and share (via Julie?)

Paper:

- Options
  1. Here's profile and reasoning behind it
    - How the committee has modeled the physics
    - Experiments, groundwork studies & results
    - Why the decisions were made as they were
    - Still testing to be done
  - Here's the profile and how to run it
- Notes from discussion:
  - Probably better to hold off on the “hot to run it” paper (2) until we get feedback from technical confirmation sites
  - Proceed with outline for paper (1) and share with group for next call