

QIBA Contrast Enhanced Ultrasound (CEUS) Biomarker Committee (BC) Call

Friday, May 12, 2023; 11 AM CT

Call Summary

In attendance

Mike Averkiou, PhD (Co-Chair)	Zaiyang Long, PhD
Todd Erpelding, PhD (Co-Chair)	Nancy Obuchowski, PhD
Paul Carson, PhD	Michelle Robbin, MD
J. Brian Fowlkes, PhD	Nicolas Rognin, MSc, PhD
Paul Freiburger, PhD	Marissa Rae Shumaker, (PhD student)
Connor Krolak (PhD candidate)	

RSNA

Julie Lisiecki

Moderator: Dr. Averkiou

Discussion topics

- Review and approval of call summary from April 14, 2023
- [Profile template](#) group editing
- Clinical context

Profile updates

- Wordsmithing claims
- Trimmed the Executive summary
- Tailored Profile for longitudinal study users only
- Claims are derived from in vitro paper
- Include reference to paper (Invest Radiol. 2020 Oct;55(10):643-656)
- Issue is use of different software analysis packages – and what parameters to extract (source of variance)
 - Analysis software use needs to be standardized for more accurate comparisons
- Dr. Averkiou would appreciate input on the clinical context
- The term ‘actor’ may be confusing to those unfamiliar with the Profile – suggestion to start phasing out use of this term and just identify who needs to do what
- Included ultrasound imaging QA checklist to ensure use
- Dr. Averkiou will ask Dr. Obuchowski to proofread claims
- Recommendation to review the QIBA Process Committee [vetting requirements](#) prior to drafting the Checklist

For next call:

- Recommendations for assessment procedures, phantom time-intensity curves, and software analysis
- Plan to review BC members contributions re: parameter requirements and discuss the repeatability claim

Action items (some ongoing) – please strike any that are complete

- Dr. Averkiou to update the Profile draft and send to BC members for review and edits prior to the next call; those with expertise in specific areas asked to provide feedback where possible
- Suggestions for additional schematics may be sent to Connor Krolak: krolakc@uw.edu

Next scheduled call(s) will be as follows at 11 am CT, unless otherwise noted: [6/9, 7/14](#)

Participants are welcome to contact RSNA staff at qiba@rsna.org if their attendance is not reflected on meeting summaries.

Helpful Resources (QIBA wiki):

- [Profiles](#) | [QIBA Profile template](#) | [How to Write a QIBA Profile](#) | [Claim Guidance](#) | [US Shear Wave Speed Profile](#) | [Profile stages](#) | [vetting requirements](#)
- A [streamlined Profile for the QIBA CT Volumetry BC](#) is available on the wiki as an example with checklists
- The new [streamlined blank template](#) is available on the wiki; it is in a Microsoft OneDrive document

QIBA Process Committee: [Kevin O'Donnell, MASc](#) (Chair) | [Michael Boss, PhD](#) (Chair)

CEUS sign up form for Profile writing: <https://forms.gle/fHXUFkaHaGG2yEhP9>