

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

Friday, January 14, 2022; 11 AM CT

Call Summary

In attendance

Mike Averkiou, PhD (Co-Chair)
Paul Carson, PhD
Melanie P. Caserta, MD
Sherwin S. Chan, MD, PhD
J. Brian Fowlkes, PhD
Paul Freiburger, PhD

Christian Greis, PhD
Gerard (Ged) Harrison, BS
Connor Krolak
Zaiyang Long, PhD
Michelle Robbin, MD
Judy H. Squires, MD

Douglas Stone, PhD
Giovanni Valbusa, BS
Bino Varghese, PhD
Stephanie Wilson, MD
James Wiskin, PhD
Heng Zhao, MS, PhD

RSNA

Julie Lisiecki

Moderator: Dr. Averkiou

Discussion topics

- BC reviewer comments regarding the technical note (QIBA recommendations for scanner vendors and software developers)
- QIBA volume flow phantom repurposing for use as a QIBA CEUS phantom

Meetings

- [The European Symposium on Ultrasound Contrast Imaging \(Rotterdam\)](#) January 20-21, 2022 {changed to virtual}

Action items (including ongoing)

- Future letter to the editor is planned for the technical note, as well as wiki posting; need to tailor the document to the audience as specifically as possible
- Dr. Carson requested future discussion regarding whether the QIBA volume flow phantom will also suffice or can be modified to suffice as a QIBA CEUS phantom. It's going to be hard enough for service engineers and other QA providers to maintain a single flow phantom. For future amplitude normalization, would the background liquid need to have significant attenuation?
- Recommendation that all companies use log-normal distribution equations for curve-fitting and extract at least the 4 standardized QIBA parameters (RT, MTT, AUC, PI)
- Dr. Averkiou asked BC members to edit collectively and provide feedback on version 3: maverk@uw.edu
- Dr. Averkiou to invite specific colleagues to upcoming calls based on their expertise for planned topics
- New QIBA Profile Template to be used: focus on Checklist, with streamlined introduction and executive summary
- CEUS BC SMEs are asked to get more involved with the Profile activities
- **Endnote:** For reference details in Endnote and Excel formats, please email Connor Krolak at: krolakc@uw.edu

Next scheduled calls will be as follows at 11 am CT, unless otherwise noted: [2/11](#); [3/11](#); [4/8](#); [5/13](#)

RSNA Staff attempt to identify and capture all committee members participating on WebEx calls. However, if multiple callers join simultaneously or call in without logging on to the WebEx, identification is not possible. Call participants are welcome to contact RSNA staff at QIBA@RSNA.org if their attendance is not reflected on the call summaries.

Helpful Resources (QIBA wiki):

- [Profiles](#) | [QIBA Profile template](#) | [How to Write a QIBA Profile](#) | [Claim Guidance](#) | [US Shear Wave Speed Profile](#)

QIBA Process Committee:

Kevin O'Donnell, MASc (Chair): KODonnell@MRU.MEDICAL.CANON | Michael Boss, PhD (Chair): mboss@acr.org