

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

Friday, December 10, 2021; 11 AM CT

### Call Summary

#### In attendance

Mike Averkiou, PhD (Co-Chair)  
Todd Erpelding, PhD (Co-Chair)  
Paul Carson, PhD  
J. Brian Fowlkes, PhD  
Paul Freiburger, PhD

Christian Greis, PhD  
Connor Krolak  
Zaiyang Long, PhD  
Ying Luan, PhD  
Nancy Obuchowski, PhD

Michelle Robbin, MD  
Nicolas Rognin, MSc, PhD  
Judy H. Squires, MD  
Bino Varghese, PhD  
Heng Zhao, MS, PhD

#### RSNA

Julie Lisiecki

**Moderator:** Dr. Averkiou

#### Discussion topics

- Impressions and updates from the RSNA and Acoustical Society meetings
- Need for quality imaging with documentation, reproducibility, and quantification
- Technical note for scanner vendors and software developers to provide QIBA recommendations
- Use of log-normal distribution equations for curve-fitting
- The need for compelling data regarding use of an articulated arm, e.g., cost-benefit analysis to onboard technologists / sonographers for clinical scanning

#### 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 under consideration (TBD) for the technical note, as well as wiki posting
- 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 2: [maverk@uw.edu](mailto: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](mailto:krolakc@uw.edu)

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**Next scheduled calls** will be as follows at 11 am CT, unless otherwise noted: 1/14; 2/11

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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](mailto: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, MSc (Chair): [KODonnell@MRU.MEDICAL.CANON](mailto:KODonnell@MRU.MEDICAL.CANON) | Michael Boss, PhD (Chair): [mboss@acr.org](mailto:mboss@acr.org)