

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

Friday, February 10, 2023; 11 AM CT

Call Summary

In attendance

Mike Averkiou, PhD (Co-Chair)

Richard G. Barr, MD, PhD (Co-Chair)

Todd Erpelding, PhD (Co-Chair)

Paul Carson, PhD

Paul Freiburger, PhD

Christian Greis, PhD

Connor Krolak

Stefanie Y. Lee, MD, FRCPC

Zaiyang Long, PhD

Nancy Obuchowski, PhD

Michelle Robbin, MD

Nicolas Rognin, MSc, PhD

Marissa Rae Shumaker

Stephanie Wilson, MD

James Wiskin, PhD

Heng Zhao, MS, PhD

RSNA

Julie Lisecki

Moderator: Dr. Averkiou

Discussion topics

- Review and approval of call summary from January 13, 2023
- CEUS protocol technical note update
- [Profile template](#)

Technical Note

- Drs. Averkiou, Barr, and Wilson are reformatting the technical note for resubmission to [Investigative Radiology](#)
- Positioning this note as a reference standard will improve the chances of it being accepted
- Agreed that it was a good idea to outline guideline procedures for clinicians

Profile

- Scanner parameter requirements were discussed for physicians and sonographers
- All to follow up with suggested edits to Dr. [Averkiou](#) by March 3rd for discussion on the next call
- Recommendation to review the QIBA Process Committee [vetting requirements](#) prior to drafting the Checklist

Table of CEUS Quantification Software (Companies)

- Dr. Averkiou asked company representatives to update the table as follows and add details to appendices:

Dr. Greis	VueBox
Connor	Philips
Dr. Erpelding	Canon
Dr. Zhao	GE
Dr. Freiburger	Siemens
need representative	Fujifilm
need representative	Samsung (Dr. Barr to reach out)

Next meeting

- 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 table within the Profile template and send to BC members for review and contribution regarding actors and parameters prior to the next call
- [Industry representatives](#) to update quantification software table
- [Connor](#) to lead the effort in coordinating updates for the Profile section on physician / sonographer actor requirements table
- [Dr. Averkiou](#) to send assignments a week before the next call for completion to experts
- Suggestions for additional schematics may be sent to Connor Krolak: krolakc@uw.edu
- **Endnote:** For reference details in Endnote and Excel formats, please email Connor Krolak at: krolakc@uw.edu
- Drs. Barr and Wilson to draft a press release to advocate for the use of US contrast in light of CT contrast shortages and emphasize that CEUS can be used effectively for many of the same applications
- Dr. Fowlkes to work on an announcement advocating for CEUS via AIUM channels
- RSNA staff to link to / share these press releases once available via QIBA LinkedIn and the wiki

Next scheduled call(s) will be as follows at 11 am CT, unless otherwise noted: [3/10; 4/14](#)

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

Task Forces for Technical Note Review

Table 1, contrast agents	Imaging settings (Industry experts)	Perfusion Quantification software
Christian Greis, PhD	Todd Erpelding, PhD	Paul Carson, PhD
Connor Krolak	Ged Harrison, BS	Todd Erpelding, PhD
Zaiyang Long, PhD	Nasr Makni, PhD	Nasr Makni, PhD
	Heng Zhao, MS, PhD	Bino Varghese, PhD
		Stephanie Wilson, MD

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