

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

Friday, September 9, 2022; 11 AM CT

Call Summary

In attendance

Mike Averkiou, PhD (Co-Chair)
Todd Erpelding, PhD (Co-Chair)
Paul Carson, PhD
Christian Greis, PhD
Connor Krolak

Reinhard Kubale, MD
Steve Metz, PhD
Nancy Obuchowski, PhD
Nicolas Rognin, MSc, PhD
Marissa Rae Shumaker

RSNA

Julie Lisiecki

Moderator: Dr. Averkiou

Discussion topics

- Review and approval of call summary from August 12, 2022
- CEUS protocol technical note updates
- Next meeting plan

Action items

Technical note publication

- “Recommendations for the Parameters and Imaging Settings for Contrast Enhanced Ultrasound (CEUS) Time-Intensity Analysis: A QIBA Technical Manuscript” is being formatted as a special report / letter to the editor and will be submitted to *Radiology*
 - *Radiology* special reports allow up to 30 authors to be listed (10-12 actual contributors estimated)
 - ORCID ID numbers and exact names from authors are needed
 - Summary statement can only be 30 words and a single sentence
 - Dr. Averkiou will circulate the technical note to co-authors once more for feedback and to collect author details prior to submission
 - References to be added for rise time; links provided:
 - https://en.wikipedia.org/wiki/Rise_time
 - <https://www.electrical4u.com/rise-time/>

Next meeting

- There will be no meeting in October due to two meetings that many members will likely be attending – [Society of Radiologists in Ultrasound \(SRU\)](#) and the [International Ultrasonics Symposium in Venice](#)
- The next meeting will be scheduled for November 11th and the BC will resume work on the Profile
- A [streamlined Profile for the QIBA CT Volumetry BC](#) is available on the wiki as an example, and it is only 32 pages total, including checklists
- The new [streamlined blank template](#) is also available on the wiki; it is in a Microsoft OneDrive document

Action items (ongoing)

- Dr. Averkiou to request ORCID ID numbers and exact names from potential authors
- New QIBA Profile Template to be used: focus on Checklist, streamlined introduction, and executive summary
- 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 will be as follows at 11 am CT, unless otherwise noted: [11/11 \(There will be no meeting in October due to conferences for ultrasound professionals.\)](#)

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

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