

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

Friday, February 12, 2021; 11 AM CT

Call Summary

## In attendance

Mike Averkiou, PhD (Co-Chair)

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

Paul Carson, PhD

Christian Greis, PhD

Connor Krolak

Reinhard Kubale, MD

Zaiyang Long, PhD

Ravi Managuli, PhD, RDMS

Nancy Obuchowski, PhD

Stephanie Wilson, MD

## RSNA

Joe Koudelik

Julie Lisiecki

**Moderator:** Dr. Averkiou

## Approval of 11.13.2020 call summary

- The last call summary was approved as presented.

## QIBA Profile – In progress

- Some help will be needed from Dr. Obuchowski for the single claim for the Profile
- Help is needed with the literature review, as there have been no updates since 2018
  - Quantification articles related to CEUS are sought to build subsequent details for the Profile
  - This should be a subset of the 200 CEUS-related references that apply to the Profile
- The first version of the Profile will be built on phantom data to standardize a protocol using the bolus technique
  - Clinical use must also be taken into consideration
- BC members briefly discussed the Executive Summary

## Task Forces:

- Task forces may be revised or expanded based on the Google spreadsheet data where volunteers signed up for specific sections of the Profile writing:

Executive Summary:	Clinical Context:	Claims:	Literature Review:
Dr. Averkiou Dr. Carson Dr. Fowlkes	Dr. Barr Dr. Sherwin Chan Dr. Greis Dr. Wilson	Dr. Averkiou Dr. Erpelding Dr. Obuchowski	Dr. Barr Dr. Duncan Dr. Erpelding Dr. Greis Dr. Long Connor Krolak

- All Task Forces are asked to identify one “point person” to lead each group and report to the BC on the next call, 3/12
- Much of the work of the Literature Review Task Force can be done via email exchanges
- Dr. Averkiou asked those working on literature review to provide a 1-2 sentence summary of the articles that would help to support the QIBA CEUS Profile in the Excel spreadsheet for ease of sorting

## Mendeley challenges discussed:

- Dr. Barr believes that Mendeley is discontinuing support and suggested the use of Endnote
  - He volunteered to categorize papers he has tracked in Endnote and to share them
  - Dr. Averkiou also uses Endnote and will forward Endnote references in Word
- Access to the CEUS library is still available and the categorized and tagged CEUS references need to be saved
- Dr. Averkiou asked Connor Krolak to provide Mendeley library support, to join the Literature Review Task Force, and to create an Excel spreadsheet that will be used to track the literature references and categorize references from the Mendeley library
  - Mr. Krolak will also add BC members on the 2/12 call to Mendeley, which allows up to 25 people with the free version; any inactive participants will be removed
  - Dr. Long offered her assistance with Mendeley
- Dr. Barr said that the International Contrast Ultrasound Society ([ICUS](#)) is tracking CEUS-related research and could be a good resource
- Dr. Greis is tracking CEUS-related research at Bracco and will share his list

- It was emphasized that more clinician volunteers, including oncologists with liver quantification experience, are needed

**Next Steps:**

- Discussion on the next call will include the Executive Summary, the Claims, and the Clinical Context
- Dr. Averkiou to invite BC members via email to get more diverse expertise on the next call
- Determining how to formulate the claim(s) and how to address phantom test-retest variability and deviation from consensus, with possible future correlation with flow in phantoms
- Help is needed with clarifying the claims, as well as clinical context; clinician input is vital

**Action items:**

- Dr. Averkiou to assign additional BC members to Profile writing task forces per preferences from the [Google form](#)
- CEUS BC SMEs are asked to attend more calls to provide their diverse expertise
- Participation from BC members with experience with the QIBA Profile-writing process is also crucial

The next scheduled QIBA ultrasound calls will be as follows at 11 am CT, unless otherwise noted:

<b>02/22</b>	Q1 Coordinating Ctte @ 1 pm CT
<b>03/12</b>	CEUS BC
<b>04/16</b>	CEUS BC

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](#)
- All Profile Editors are encouraged to join the QIBA Process Committee to learn about QIBA writing tips and processes and network with other Profile Editors to exchange best practices

**QIBA Process Committee:**

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