

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

Friday, June 12, 2020; 11 AM CT

Draft Call Summary

In attendance

Mike Averkiou, PhD (Co-Chair)

Paul Carson, PhD

Sherwin Chan, MD, PhD

Wui Chong, MD

Christian Greis, PhD

George Kapodistrias, PhD

Reinhard Kubale, MD

Andy Milkowski, MS

Nancy Obuchowski, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Moderator: Dr. Averkiou

Approval of 05.08.2020 call summary

- The summary was approved as presented

Phantom Study Manuscript Updates

- Dr. Averkiou submitted the manuscript to *Investigative Radiology* for its special issue on contrast media, to be published in October and is currently inspecting the proofs
 - Investigative Radiology* was selected due to the research nature of the manuscript; *Radiology* tends to focus on more clinically relevant topics
- Dr. Averkiou shared some highlights from the paper, including promising repeatability results on different scanners that represent multiple permutations of systems and software
- He will distribute the paper to the BC once the proofs are edited
- Though the paper focuses on in vitro studies, it may help to guide claim development for the CEUS Profile

QIBA Profile – In progress

- Drs Averkiou and Barr to follow up with Drs. Chung and Laue regarding the QIBA DCE-MRI Profile as a CEUS guide
- Dr. Averkiou has started compiling Profile sections but needs help with clarifying the claims
 - More help is needed with clinical context in particular, and clinician input is vital
- The Executive Summary has been drafted; all are asked to provide feedback
 - The focus will be on bolus transit (wash-in and washout), for liver lesions
- A proposed placeholder title is, “CEUS Bolus Quantification”
 - Future versions of the Profile may include other clinical applications, e.g., neonatal brain evaluation, kidney, prostate, breast cancer, inflammatory bowel disease, etc.
 - There may be regulatory aspects that will need to be considered in future discussions
- Collaborative drafting of the Profile was emphasized, as there is a need for diverse expertise
 - Dr. Averkiou emphasized that no contribution is too small, and he is happy to put into words the ideas that others may wish to contribute
- RSNA Staff has created a [Google form](#) for interested BC members to sign up to co/author Profile sections
- All are asked to think about the claims before the next call, as they will inform the rest of the Profile
 - Volunteers are needed to complete the literature search

Action items:

- All are asked to sign up for drafting Profile sections using the [Google form](#)
- All are asked to consider directions for the claims, to be discussed on the next call – and to forward suggestions to the co-chairs: Drs. [Averkiou](#), [Barr](#), and [Erpelding](#)
- Drs. Averkiou and Barr to follow up with Drs. [Chung](#) and [Laue](#), Co-Chairs of the DCE-MRI BC

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

07/03	RSNA holiday – no calls	08/07	SWS BC
07/10	CEUS BC	08/14	CEUS BC
07/24	SWS BC – TBD	Aug	US Qtr 3 Coordinating Cttee – TBD

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:

- Examples of **Profiles** can be found on the QIBA Wiki here: <http://qibawiki.rsna.org/index.php/Profiles>
- Link to the **US Shear Wave Speed Profile** – which recently completed public comment: http://qibawiki.rsna.org/images/b/b7/QIBA_US_SWS_Profile_10.21.19.pdf
- **QIBA Profile template:** http://qibawiki.rsna.org/index.php/QIBA_Profile_Template
- **How to Write a QIBA Profile:** http://qibawiki.rsna.org/index.php/How_to_Write_a_Profile
- **Claim Guidance:** http://qibawiki.rsna.org/index.php/Claim_Guidance
- 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

Contact information for QIBA Process Committee Leaders:

- Kevin O'Donnell, MSc (Chair): Kodonnell@MRU.MEDICAL.CANON
- Michael Boss, PhD (Co-Chair): mboss@acr.org