

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

Friday, March 13, 2020; 11 AM CT

Call Summary

In attendance

Mike Averkiou, PhD (Co-Chair)
Paul Carson, PhD
Sherwin Chan, MD, PhD
Christian Greis, PhD

George Kapodistrias, PhD
Reinhard Kubale, MD
Nancy Obuchowski, PhD
Kevin O'Donnell, MASC

Douglas Stone, PhD
Theresa Tuthill, PhD
Stephanie Wilson, MD

RSNA

Joe Koudelik
Julie Lisiecki

Moderator: Dr. Averkiou

Approval of 01.10.2020 call summary

- The summary was approved as presented

Draft Variability Manuscript Update (Dr. Averkiou)

- Dr. Averkiou has submitted the manuscript to *Investigative Radiology* for its special issue on contrast media
- Likelihood of acceptance is greater due to the specific subject matter, and this is a good platform to promote the work of the BC
- Although deemed interesting, slight revisions are needed per the editor

Introduction to QIBA Profiles (Mr. O'Donnell)

- Mr. O'Donnell, QIBA Process Committee Chair, introduced QIBA Profile writing process and resources made available to BC members
- A lead author, or Profile Editor is recommended, though sections can be assigned to BC members to distribute the workload
- Groundwork and literature must support the Profile performance claims
- Writing the claims is the most challenging element of authoring a Profile
- Writing in active voice is recommended, along with the proper use of "shall" language for requirements
 - It is particularly important to use active voice with "shall" language to be clear as to who does what when
 - It is recommended that "shall" language be used in the requirement tables, making it easier to find these items quickly
- 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
- Profile Editors are always welcome to contact the QIBA Process Committee Co-Chairs for advice (see contact information below)
- The [QIBA CT-Advanced Disease Profile](#) was suggested as a helpful example
- 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

Contact information for QIBA Process Committee Leaders:

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

QIBA CEUS Profile Update

- Profile to focus on four areas: protocol, image acquisition, curve fitting and four standard measurement parameters, with bolus wash-in and wash-out measurements for liver lesions
- A narrower focus has been established for this initial Profile to assist with clinical performance assumptions; less supporting data would be needed as well
- A clinical expert will need to write the clinical context portion
- It was suggested that the Profile be drafted in such a way as though the Profile would be clinically confirmed in the future based on educated guesses and data collection, with data being translated into 95% confidence limits
- Team authoring is encouraged and welcome since subject matter expertise will be needed

Next steps:

- Drafting the CEUS Profile will begin with assistance from Drs. Carson and Garra

The next scheduled QIBA ultrasound calls will be as follows at 11 am CT:

04/03	SWS BC
04/10	CEUS BC
05/01	SWS BC
05/08	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 if their attendance is not reflected on the call summaries.