

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

Friday, June 9, 2017; 11 AM CT

Call Summary

In attendance			RSNA
Mike Averkiou, PhD (Co-Chair)	Kenneth Hoyt, PhD	Nancy Obuchowski, PhD	Joe Koudelik
Paul Carson, PhD	Hui Jiang, PhD	Lihong Pan, PhD	Julie Lisiecki
Shigao Chen, PhD	Kirstin LaConte	Thierry Rognard	
Todd Erpelding, PhD, MSE	Zaiyang Long, PhD	Theresa Tuthill, PhD	
Ged Harrison, BS	Andy Milkowski, MS	Nikolay Tzaribachev, MD	

Moderator: Dr. Averkiou

CEUS Task Force (TF) Updates (Dr. Averkiou)

- A summary of recent TF calls was provided by Dr. Averkiou via email distribution; work continues offline

Literature Search / Profile

- Recipients of Mendeley invitations need to check “spam” or “junk” folders and accept invitations to participate
- Members can add papers; all are asked to categorize and tag items as they are added
- Volunteers were recruited to review collected literature and provide an update to the group on the next call (July 14):
 - Ged Harrison (GE)
 - Kirstin LaConte (GE)
 - Zaiyang Long (Mayo)
- [Sara Keller](#) at UW is serving as the [Mendeley](#) “librarian” for the CEUS citation listings and PDF articles
- It is recommended that new participants watch short video tutorials (2-3 minutes each) on www.mendeley.com.
 - Anyone interested in joining the Mendeley group can email RSNA Staff at jlisiecki@rsna.org
 - Maximum of 25 members allowed within this group

Clinical

- The first clinical application for the Profile will be the liver, and phantom data will be used
 - *For more detail, please see Dr. Averkiou’s notes on the [QIBA wiki](#)*
- It is important to establish that all are using the same analysis software first
- *VueBox* from Bracco has been recommended for this purpose, as it can be used across platforms; however, “how” to do this with the group is yet to be determined
 - *VueBox* is currently used only for phantom, not clinical analysis
 - A collaboration agreement is in the works to extend 2 licenses for phantom research

Basic Science

- Basic Science is functioning in a supporting role presently; group members may write a white paper to garner support for their efforts
- Dr. Averkiou to invite participation from the [European Federation of Societies for Ultrasound in Medicine and Biology](#) (EFSUMB); suggested was Christoph Dietrich, Past EFSUMB President

DCE-MRI Collaboration

- Dr. Tzaribachev mentioned that collaboration with [QIBA DCE-MRI](#) might prove helpful with respect to the group’s dynamic range questions and determining how parameters are extracted and measurements are performed
- He intends to follow up with Dr. Laue regarding this topic and will report back findings

Action Items:

- Dr. Tzaribachev to follow up with Dr. Laue regarding DCE-MRI protocol applications and possible comparable parameters between the two modalities
- Volunteers for the Literature Review to report back to the group with their findings on the next call (July 14)
- Drs. Averkiou and Hoyt to report back to the group regarding initial results from phantom studies (July 14)

Ultrasound CEUS BC QIBA wiki page: http://qibawiki.rsna.org/index.php/Ultrasound_CEUS_BC

WebEx Calls:

- **July 07: SWS BC**
 - **July 14: CEUS BC**
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- **Aug 04: SWS BC**
 - **Aug 11: CEUS BC**
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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.