

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

Friday, October 28, 2016; 11 AM CT

Draft Call Summary

In attendance

Michalakis (Mike) A. Averkiou, PhD (Co-Chair)

Paul Carson, PhD

David Cosgrove, MD

Todd Erpelding, PhD, MSE

Tim Hall, PhD

Ken Hoyt, PhD

Christina Kalli, MSc

Ravi Managuli, PhD

Nancy Obuchowski, PhD

Vladimir Reiser, PhD

Theresa Tuthill, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Moderator: Dr. Averkiou

CEUS Task Forces (Dr. Averkiou)

- Several volunteers have signed up for the proposed task forces, including engaged commercial vendors
- Doodle Poll will remain open for new participants to join: <http://doodle.com/poll/33h5td6dpgdict7f>
- Task forces will work via email initially and will report to the BC with progress updates on the monthly WebEx call

CEUS BC Poster for RSNA 2016

- The group reviewed poster content prepared by Dr. Hoyt
- All are asked to volunteer for Meet-the-Expert poster sessions at RSNA 2016; Please RSVP via the [Google Form link](#)

Literature Search / Profile

- Dr. Hall suggested that the group consider using [Mendeley](#), a collaborative resource for researchers, including citation management, ability to comment, share, annotate, highlight, etc.
- Dr. Mark Palmeri at Duke established the QIBA US SWS Mendeley community; CEUS BC co-chairs were encouraged to get in touch with Dr. Palmeri for further details
- Dr. Hall also suggested that CEUS BC leaders review the [QIBA Profile templates](#) on the [QIBA wiki](#) and confer with Process Committee Leadership ([Mr. O'Donnell](#)) with any questions they may have
- Profile outlining may begin in parallel with data collection

Software Under Consideration

- For CEUS experimental groundwork, a common software package would be helpful to researchers
- It will be important for clinical implementation and standardization of processes to compare performances of commercial packages, as well as to select a software package that works on multiple systems with multiple tasks
- Bracco's Q-Box was recommended; Philips' Q-Lab may also be an option
- BC members plan to work with multiple phantoms at approximately 24 sites to test systems and begin collecting data

Phantom Considerations

- VCF offers many opportunities to study tube and flow (narrow vessel) issues
- A suitable physical phantom was suggested to be utilized at a few select imaging sites for system calibration purposes

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

US WebEx / Conference Schedule

- **Nov 11:** **US Coordinating Committee @ 11:00 am CT (Friday) – NO Clinical TF**
- **Nov 18:** US SWS BC (Dr. Garra)
- **Nov 25:** CEUS-BC *No call – RSNA 2016 prep*
- **Dec 09:** **US SWS BC (Dr. Hall) – Last call of the year! RSNA 2016 and the holidays / Winter Break**
- **Jan 27:** CEUS BC – First call for 2017

- **Nov 27 – Dec 2:** [RSNA 2016, Chicago, IL - 102nd Meeting](#)
- **Nov 28 – Dec 2:** [172nd Meeting of the Acoustical Society of America, Honolulu, HI](#) – The 5th Joint meeting of the Acoustical Society of America and the Acoustical Society of Japan
- **Dec 7–9, 2016:** [British Medical Ultrasound Society 48th Annual Scientific Meeting](#), York Racecourse, York, UK

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