

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

Friday, December 13, 2019; 11 AM CT

### Call Summary

#### In attendance

Mike Averkiou, PhD (Co-Chair)

Todd Erpelding, PhD (Co-Chair)

Paul Carson, PhD

Nancy Obuchowski, PhD

Thierry Rognard

Nicolas Rognin, MSc, PhD

Douglas Stone, PhD

Theresa Tuthill, PhD

Stephanie Wilson, MD

#### RSNA

Joe Koudelik

Julie Lisiecki

**Moderator:** Dr. Averkiou

#### Approval of 10.11.2019 call summary

- The summary was approved as presented

#### RSNA 2019 Update (Dr. Erpelding)

- New QI biomarkers, including attenuation coefficient, backscatter coefficient and speed of sound for liver fat quantification, were discussed during the US breakout session
- There was a brief breakout session update for the SWS and VBF BCs

#### Manuscript Update (Dr. Averkiou)

- The first manuscript focusing on a variability study is well underway, with many sections already written
- Dr. Averkiou asked for BC input on figures he would like to include in the manuscript
- It is not yet ready for review by the BC, as it is still in rough draft form
- Dr. Erpelding suggested anonymizing scanners in the results, though the scanners can be listed in the materials and methods.

#### Next project

- Amplitude normalization across systems will be the next focus for the BC
- The goal of this standardization is to determine a reference intensity for a reference microbubble concentration and implement it either directly in the system or in the linearization software.

#### VueBox access in North America (Dr. Wilson)

- Dr. Wilson spoke with Bracco reps at RSNA 2019 regarding the need to make VueBox available in North America.
- There is a “chicken-egg” problem in that Bracco may think that the North American market is not yet ready, as progress has not been demonstrated sufficiently; however, sufficient progress cannot be made without access to VueBox, compounding the frustration of physicians
- The compelling need for VueBox is the versatility that it provides users to look at multiple systems from a clinical view
- Dr. Averkiou expressed the concern that quantification is still not the norm in the field and that QIBA CEUS BC members must champion quantitation and become spokespersons for various QIBA efforts
- Mr. Rognard to draft an email, creating the necessary connection for Drs. Averkiou and Wilson with appropriate Bracco leadership

#### Next steps:

- The process of drafting the CEUS Profile will begin
  - Mr. Rognard to draft an email to Bracco European contacts regarding the possibility of making VueBox available in North America, with copy to Drs. Averkiou and Wilson
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The next scheduled QIBA ultrasound calls will be as follows at 11 am CT:

<b>01/10</b>	CEUS BC
<b>02/07</b>	SWS BC
<b>02/14</b>	CEUS BC
<b>02/--</b>	US Coordinating Committee, Q1, <b>TBD</b>

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