QIBA Contrast Enhanced Ultrasound (CEUS) Biomarker Committee (BC)
Friday, July 29, 2016; 11 AM CT
Call Summary

In attendance
Michalakis (Mike) A. Averkiou, PhD (Co-Chair)  Timothy J. Hall, PhD  Nancy Obuchowski, PhD  Fiona Miller
Richard Barr, MD, PhD, (Co-Chair)  Christine Kalli, MSc  Vladimir Reiser, PhD  Susan Weinmann
Thierry Bettinger, PhD  Kirstin Laconte  Maria Luigia Storto, MD
Paul Carson, PhD  Mary (Beth) McCarville  Theresa Tuthill, PhD
David Cosgrove, MD  Andy Milkowski, MS  Stephanie Wilson, MD
Christian Greis, PhD

Moderator: Dr. Barr

CEUS Task Forces (Dr. Barr)
- Discussion on proposed task forces and their functions
  - Literature Review
    - Use Mendeley to facilitate collaboration and gather articles
    - Crucial for identifying knowledge gaps and establishing next steps for phantom study
  - Contrast Agent (gather and maintain information on agents)
  - Contrast Specific Software (detail all available software)
  - Acquisition Parameters (define acquisition parameters and suggested settings)
  - Quantification (describe and list methods of quantification with advantages and disadvantages)
  - Signal Output (list what is the output signal from various vendors)

  - TFs will be charged with identifying what’s available, the current status, and gaps
  - Vendor participation will be especially critical for TF 2, 3 and 6.

  - Experimental TFs (proposed by Dr. Averkiou):
    - Clinical focus team (clinical requirements of measurements)
    - Imaging systems requirements (which systems, what software release, parameters, etc.)
    - Data management (format, sharing, archiving, etc.)
    - Quantification analysis software (Vuebox, QLAB, QStation, etc.)
    - Ultrasound physics (attenuation, shadowing, beamforming, nonlinear propagation artifact)
    - Bolus kinetics physics (indicator dilution, models, parameters, curve fitting, arterial input function, correlation with clinical parameters)

Phantom Project Update (Dr. Averkiou)
- Dr. Averkiou to begin to look at data in September
- Phantom design may be modified as more information is gathered through a literature review

Action items
- Drs. Barr, Averkiou and Hoyt to provide a comprehensive list of CEUS TFs
- RSNA staff to create Doodle poll with final list of task forces for enlistment of volunteers
- Dr. Barr to reach out to vendors and pharmaceutical companies to identify contacts at each organization from whom crucial information can be obtained for Profile purposes
- RSNA Staff to suggest available time slots for set rotation once the list of task forces is finalized

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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.