

QIBA Dynamic Contrast-Enhanced (DCE) MRI Biomarker Committee (BC) Call

Monday, September 16, 2019 at 11 a.m. (CT)

Call Summary

Participants

<i>Hendrik Laue, PhD (Co-Chair)</i>	Dena Flamini, RT	Chen Lin, PhD	RSNA Joe Koudelik
David Bennett, PhD	Hyunki (Harrison) Kim, PhD, MBA	Ho-Ling (Anthony) Liu, PhD	Susan Stanfa
Michael Boss, PhD	Cristina Lavini, PhD	Nancy Obuchowski, PhD	

Moderator: Dr. Laue

QIBA Events During 2019 RSNA Annual Meeting

- A broader, high-level perspective regarding the importance of quantitative imaging (QI) is the goal for 2019 QIBA Kiosk posters
- The 2019 posters are modality-based, rather than BC based; it was noted that with 8 MR BCs, representing all activities/efforts on one poster may be challenging
- Posters with less text and more images (clean space) highlighting specific use cases for QI (both clinical and research) to be developed
- Potential DCE-MRI contributions were discussed
 - In efforts to present a more visually-appealing (rather than text-heavy) poster, including Claim definitions images and graphs was encouraged
 - A small graphic illustrating MR Profile progress to be included
 - BC co-chairs are asked to submit 1 – 2 snapshots of activity from the past year and MR CC leaders will work on layout and captions, to give a good sense of current state across MR BCs
 - Dr. Boss requested that content be submitted to all 4 MR CC Co-chairs by the end of October to allow time for the poster to be reviewed by the full MR CC membership
 - RSNA staff will print, ship, and install the poster if a print-ready PowerPoint file is received by Friday, Nov. 8th, 2019
- In efforts to coordinate content, collaboration between the DCE-MRI and DSC-MRI BCs was encouraged

NIST Phantom-Lending Library

- Dr. Russek at NIST has a small number of NIST-owned MR system phantoms to lend out
- Dr. Boss to inquired about the launch/availability timeline and learned that the phantoms should be available to lend by the end of Sept.
- It was noted that these diffusion phantoms are applicable to the DCE-MRI BC, as they can be used to assess B1 homogeneity
- NIST to conduct quality-control on the phantoms each time they are returned
- Dr. Boss awaits additional details from NIST and will forward them to DCE-MRI BC Co-chairs

Public Comments Resolution QIBA Wiki Page

- The purpose of the [Comment Resolution](#) QIBA Wiki page is to allow public comment submitters to access details on how their feedback was addressed, i.e., incorporated into the subsequent draft (Consensus Profile)
- The [Public comment process](#) QIBA Wiki page contains guidelines, as well as the Google Sheets [comment resolution template](#) provided by the Process Committee (Mr. O'Donnell)
- Instructions on classifying comments were provided: accepted, rejected, resolved, under discussion
- Statuses to be used to track status on each comment (e.g., TBD, Ok, Discuss, TODO)
- Once all public comments are addressed and the document is in its terminal stage, BC Co-Chairs to submit the document to staff for public posting on the [Comment Resolution](#) QIBA Wiki page

DCE-MRI Profile Claim Definition 3T for Prostate

- Test-retest data on prostate repeatability at 3T was obtained; discussion on proposed Claims:
 - General kinetic model (GKM) and individual Arterial Input Function (AIF)
 - Extended (eGKM) and individual AIF
 - GKM and averaged and peak corrected AIF
- Statistical aspects of Claim development were discussed
- Dr. Obuchowski offered to conduct a meta-analysis if the underlying assumption is the same
- In efforts to maintain momentum, it was recommended that despite open issues, the Profile be released for public comment

Reminder:

- Please [RSVP for the Dec. 4 QIBA Working Meeting](#) during the 2019 RSNA Annual Meeting
- Please [sign up for the RSNA 2019 MTE Sessions](#) at the QIBA Kiosk:
 - Type in your name next to the presentation time slot that works for you (we encourage that each 30-minute time slot is filled by at least one committee member)
 - Simply close out of the document (there is no save button and changes will automatically save)

NEW! Visit the QIBA Citations EndNote Library! Details can be found on the [QIBA Wiki Education page](#)

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