

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

Monday, October 1, 2018 at 11 AM (CT)

Call Summary

Participants

Hendrik Laue, PhD (Co-Chair)

Thomas Chenevert, PhD

Andrey Fedorov, PhD

Dena Flamini, RT (R)(MR)(M)

Harrison Kim, PhD, MBA

Cristina Lavini, PhD

Chen Lin, PhD

Nancy Obuchowski,

Gudrun Zahlmann, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Moderators: Dr. Laue

QIBA Working Meeting and Meet-the-Experts Sessions at RSNA 2018

- All are encouraged to RSVP for the [QIBA Working Meeting](#) on Wednesday, November 28th.
- All are invited to volunteer for the poster [Meet-the-Expert](#) session times

Poster Preparation for RSNA 2018

- DCE-MRI will be sharing a poster with the DSC-MRI Biomarker Committee
- Due to the growing number of BCs, 5 posters have been allocated among the 8 MR BCs for 2018
- Dr. Nayak produced a recent poster which may have useful content for the DCE-MRI BC poster

DCE Profile Update

- Topics discussed included:
 - Conformance section
 - Audience for the Profile (Study Coordinator vs. Researcher vs. Medical Physicist)
 - Increased efforts to finish the Profile and to shorten the document, which is presently 64 pages in length
 - Skipping error propagation and lack of test/retest data issues in favor of working on the claim
 - Checklist
 - Phantom recommendation will be based on Profile audience
- Dr. Laue reviewed open issues in the Profile
 - Section 3.0 (site conformance) was mentioned
 - Signal linearity was discussed
 - Use of a phantom to calibrate scanner measurements was discussed
 - Sections will be assigned to BC members for review
 - The lack of published test-retest study data limits the current Claim scope to older technology and the original QIBA-funded DCE phantom
 - Limitations in Claims to be stated with additional information in the discussion section on image interpretation
 - Dr. Laue to follow up with Dr. Obuchowski
 - In addition, there is no region of interest (ROI) number for tumor measurement
 - Not many sites are using DCE as the imaging endpoint for clinical trials
 - The Profile will focus on clinical research and clinical care
 - Dr. Zahlmann agreed to review the Profile and provide her comments
 - Dr. Laue to work on updating open and closed issues, as well as refining the Executive Summary

- DCE BC members encouraged to review and comment on Profile at:
<https://docs.google.com/document/d/1in76va1Q96tVX97RWLHHqimOHxCeDsMqh98na8pwOb8/edit?usp=sharing>
 - Please note: Google Doc is being used for its collaborative properties and versioning control; please make comments directly on the document (as opposed to downloading Profile to one's local computer and emailing)

Next DCE BC Call: Monday, October 15, 2018 at 11 AM CT

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.