

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

Monday, November 12, 2018 at 11 AM (CT)

Call Summary

Participants

Hendrik Laue, PhD (Co-Chair)

Martin Büchert, PhD

Harrison Kim, PhD, MBA

Cristina Lavini, PhD

Chen Lin, PhD

Nancy Obuchowski, PhD

RSNA

Joe Koudelik

Susan Stanfa

Moderator: Dr. Laue

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

- Dr. Chung will be present to lead the DCE BC breakout session
- 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

DCE Profile Update (Dr. Laue)

- 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)
- Dr. Laue provided an overview of the process he used to include references with a citation manager tool; he offered to send exported papers to those who are interested
- Dr. Lavini noted that since the last call, she added text to Appendix B: Acquisition Protocol
- An overview of the Bane, et al. paper, "[Accuracy, repeatability, and interplatform reproducibility of T₁ quantification methods used for DCE-MRI: Results from a multicenter phantom study,](#)" was provided
- Remaining issues regarding B1-mapping were discussed
 - Using DREAM sequence to correct for B1-mapping
 - Different vendors commercialize different B1-mapping techniques
 - Whether both B1 shimming and B1-mapping is an optimal solution; shimming to be added to the Profile
 - Noted was that if the community demanded B1 corrections, vendors would provide; this was a market-driven mentality/action
- Dr. Laue requested input on the Profile from the group; all are welcome to post comments on the [Google Doc](#)
- Information regarding evaluation of software was added to sections 4.1: Assessment Procedure: R1/T1 Mapping accuracy and section 4.2: Assessment Procedure: Image Analysis Software
 - DROs can be downloaded from the QIDW for Section 4.2: Assessment Procedure, and links were provided
 - Staff to follow up with Dr. Laue, as data could be in a private folder; discussion on permissions needed
 - Dr. Laue to request DRO access from Dr. Jackson for Dr. Lavini

Next DCE BC Call: Monday, December 10, 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.