

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

Monday, June 10, 2019 at 11 AM (CT)

Call Summary

Participants

Hendrik Laue, PhD (Co-Chair)

Michael Boss, PhD

Thomas Chenevert, PhD

Cristina Lavini, PhD

Nancy Obuchowski, PhD

RSNA

Joe Koudelik

Susan Stanfa

Moderator: Dr. Laue

2019 QIBA Annual Meeting (June 12 – 13 at RSNA HQ in Oak Brook, IL)

- Due to budget and space limitations, invitation to this meeting is limited

DCE Profile Update (Dr. Laue)

- Discussion on B1-mapping correction continued from previous DCE BC calls
 - Inquiries have been submitted to vendor representatives to find out whether they plan to utilize B1-mapping correction within their analysis software
 - Recommendation to be very specific if B1-mapping correction were to be included in the Profile
 - Call between Dr. Nayak and vendor (Philips?) suggested
 - Dr. Laue to organize an offline call with Drs. Lavini and Nayak
- “Should” and “Shall” language have been revised in various tables
- Dr. Laue resolved most of Section 2.1: Clinical Interpretation; clinical imaging requirements for the brain are needed from Dr. Chung
- Recommendation made for a line-by-line review of the Profile to determine the amount of work that needs to be done prior to a vote-to-release the Profile for public comment
- DCE BC members were encouraged to review and comment on the [Profile](#), with significant focus on Profile Activities Sections 3.1 - 3.14
- Discussion re: checklists to be completed; Dr. Laue has been adapting the CT Volumetry Profile checklist for the DCE Profile
 - Suggestion to reference the checklist early in the Profile
 - “Radiologist” checklist was retitled to, “Image Analysis” check list
 - All performance requirements in the main Profile text should be represented in checklist
- Recommendation regarding a R1/T1 phantom is still needed; hope to provide guidance in the Profile via specifications and a manual on how to build a phantom
- The Profile is very close to being ready for public comment
 - Specification tables throughout the body and appendices to be finalized
 - If possible, unresolved comments/highlighted text will be removed and changes incorporated
 - In efforts to advance the Profile to a BC “vote-to-release” for public comment, recommendation to include any issues that cannot be resolved in the “Open Issues” log
 - T1 phantom accessibility issue to be discussed during MR QIBA Annual Meeting breakout sessions
- Discussion re: need for equipment vendor liaison; suggestion to contact Drs. Nayak and Kirsch

Next DCE BC Call: Monday, June 24, 2019 at 11 AM CT

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