

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

Monday, August 31, 2020 at 11 am (CT)

Call Summary

In attendance

Caroline Chung, MD (Co-Chair) Todd Jensen, PhD
Hendrik Laue, PhD (Co-Chair) Nancy Obuchowski, PhD

RSNA staff

Susan Stanfa

Review of the [DCE-MRI Profile](#) continued

Appendix G: Software packages for analysing DCE-MRI

- A list of acceptable software packages is now included in this section; additional recommendations by BC members were reviewed
- The list will be moved to the [DCE-MRI Committee page](#) on the QIBA Wiki and a link to it will be added to this Appendix

Appendix E: Signal Linearity

Testing sequence for signal vs. Gadolinium (GD) concentration linearity subsection

- Some content to be brought back into the main body of the Profile and into appropriate context
- Dr. Laue to follow up with Dr. Lavini regarding these changes, and will copy Dr. Chung

Appendix H: Conformance Checklists

- Dr. Chung finalized all besides the image analysis tool checklist, which was reviewed with the group
- It was noted that only requirements needed to conform to Profile Claim should be included
- There was discussion on software capability of importing or generating B1 maps for a corrected T1 map for the MRI scanner model used
 - This cannot be made a requirement because it is not possible for all Profile users
 - It was agreed that this be retained, with a note that it is highly desirable but not a requirement
- Discussion re: whether “storage of processing parameters” and “storage of intermediate result images” should be left in as requirements, or whether to list parameters that should be recorded
- Headings deemed inapplicable were removed

Next Steps

- Dr. Chung to update, reformat, and add references to the Profile document; it will be circulated for final BC review on or around September 7
- The group will meet once more on September 14 before a BC vote-to-release for public comment is initiated
- Official public comment version of the DCE-MRI Profile to be submitted to RSNA Staff
- RSNA Staff will circulate an email to BC members with [voting privileges](#) to obtain approval that the content of the Profile meets the [criteria for the stage](#)
 - The email will contain a link to the [Ballot](#) and the Profile will be attached
 - The ballot period is typically ~2 weeks to allow time to review the full Profile text
 - An email will also be sent to BC members without voting privileges, to notify them that the Profile has entered the approval stages for public comment; an MR CC vote will follow

Next call: Monday, September 14, 2020 at 11:00 am (CT)

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