# QIBA Dynamic Contrast-Enhanced (DCE) MRI Biomarker Committee (BC) Call
Monday, August 17, 2020 at 11 am (CT)
*Call Summary*

| In attendance | | | RSNA staff |
|---|---|---|---|
| *Caroline Chung, MD (Co-Chair)* | Hyunki (Harrison) Kim, PhD, MBA | Krishna Nayak, PhD | Joe Koudelik |
| *Hendrik Laue, PhD (Co-Chair)* | Cristina Lavini, PhD | Nancy Obuchowski, PhD | Susan Stanfa |
| Michael Boss, PhD | Annelise Malkus, PhD | Mark Shiroishi, MD | |

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

*Section 3.12:*
- Discussion re: a subsection titled "Storage," added by Dr. Fedorov to replace the "Floating Point" section in Appendix
    - DCE-MRI BC members agreed to rename this subsection to, "Image Analysis Results"

*Section 3.14: Image Interpretation*
- Recent updates were reviewed
- Dr. Shiroishi to search for and add head and neck references; prostate references need to be added as well

*Appendices* (some have been renamed)
*Appendix C: Detailed description of Image Analysis – Methods to be used*
- D: Determine a vascular input function
    - DCE references on reproducibility to be added
    - A population averaged VIF using values derived from previous studies; common VIF include the Weinman function
        - However, it is not recommended in the Profile, as it does not take into account the initial VIF peak
        - Consensus to include Weinman function for now, and wait to receive public comments on this issue
- F: Identify the region or regions of interest: Dr. Shiroishi to add a few sentences related to variability in ROI segmentation

*Appendix E: Signal Linearity*
Testing sequence for signal vs. Gadolinium (GD) concentration linearity subsection
- Discussion re: whether length of text should be reduced or omitted
- Consensus that this technical detail needed to be moved from the body of the Profile to an Appendix
    - This detail may be helpful for those to reference for additional information, however, supporting references need to be included
    - Dr. Lavini offered to identify references supporting scanner sequence instability
- The BC hopes to receive public comment feedback related to this subsection

*Appendix F: Vendor specific B1+ Mapping information for 3 Tesla (and higher)*
- Minor edits were made

*Appendix G: Software packages for analysing DCE-MRI*
- Dr. Laue added a list of software packages and BC members were encouraged to add additional recommendations
- The list will be moved to the [DCE-MRI Committee page](#) on the QIBA Wiki and a link to the Wiki will be added to this Appendix

*Appendix H: Conformance Checklists*
- Dr. Chung made updates and BC members will be asked to review the tasks for feasibility

**Next Steps**
- Dr. Chung to update and reformat the Profile document for final BC review by the Aug. 31 call
- 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, August 31, 2020 at 11:00 am (CT)

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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](mailto:QIBA@RSNA.org)  if their attendance is not reflected on the call summaries.