

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

Monday, October 9, 2023, at 11 a.m. (CT)

## Meeting Summary

### In attendance

Hendrik Laue, PhD (Co-chair)

James O'Connor, MD, PhD (Co-Chair)

Nima Ameli, MD

Michael Boss, PhD

Ararat Chakhoyan, PhD

Cristina Lavini, PhD

Nancy Obuchowski, PhD

### RSNA staff

Susan Stanfa

### Topics Discussed:

- [DCE-MRI Profile](#) contributor lists
- Repeatability study update
- QIBA Quantitative Imaging Data Warehouse (QIDW) retirement
- *Radiology* publication

### Action Items

- 2015 – September 2023 call attendance list to be used to help determine who should be recognized in the Profile
  - Those who have participated in earlier Profile efforts, but may not have been recently active will be included along with public comment submitters and groundwork project contributors
- Delays in the repeatability study were reported
  - Student was reassigned to a related but different aspect of DCE-MRI
  - Additional review to understand how different factors in the protocol e.g., field strength, vendor, model used, etc. impact repeatability; network analysis to be done to determine whether some differences are co-related
- Much NIBIB groundwork data is still stored in the Quantitative Imaging Data Warehouse (QIDW); some of those datasets have been linked to QIBA Profiles
  - As part of the transition of QIBA activities to the new RSNA Quantitative Imaging Committee (QUIC), the QIDW will be retired, effective December 15, 2023
  - Owners/uploaders of QIDW BC data have been asked to remove and/or copy and store Profile-supporting research data elsewhere as soon as possible, but no later than December 15, 2023
  - References/links to the QIDW in Profiles will need to be updated to a new storage location

### Next Steps:

- Dr. Laue to finish working on Profile references
- Dr. Laue to circulate (1) Current Profile contributors and (2) Past and notable contributor lists to core DCE-MRI BC members for review
- Revised repeatability study slides will be sent, and an update meeting will be scheduled by the end of the month
- Dr. Laue to copy the DCE-MRI BC QIDW data, set up a community in [Zenodo](#), and upload the data
  - Staff will forward the link to DCE-MRI BC members
- [MSK publication](#) to be used as a template for the summary of DCE-MRI Consensus Profile (stage 2) to be drafted
  - Dr. Obuchowski to contact CCF colleague, MSK BC Co-chair, and publication author, Dr. Xiaojuan Li for *Radiology* submission advice
  - If *Radiology* does not accept submission, *Imaging Cancer* would be another option
- The next DCE-MRI BC meeting will be held on **Monday, October 23, 2023, at 11:00 a.m. CT**
- DCE-MRI Profile v2.0 to be completed
- *Profile Editor* records decision and rationale (where needed) in the resolution spreadsheet when addressing Public Comment feedback
- Completed spreadsheet is submitted to RSNA staff for Wiki posting
- BC internal review, and BC vote-to-publish the Profile as Stage 2: Consensus followed by an MR CC vote