

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

Monday, May 22, 2023, at 11 a.m. (CT)

Meeting Summary

In attendance			RSNA staff
Hendrik Laue, PhD (Co-chair)	Caroline Chung, MD	Nancy Obuchowski, PhD	Susan Stanfa
James O'Connor, MD, PhD (Co-chair)	Cristina Lavini, PhD		

Topics Discussed:

- Remaining issues in the [Profile Resolution Sheet](#) with reference to the [current DCE-MRI Profile](#)
- Update on data compiled for the repeatability analysis

Action Items:

Comments for resolution

- Dr. Laue to determine whether the power injector has been approved by the FDA
- Images for artifact examples are needed
- Dr. Laue to ensure that all abbreviations are defined in the Profile when used the first time
- Table for R1 performance needed
- Dr. Chung to share EndNote reference library with Dr. Laue
- Dr. Laue to reach out to Mr. Martin regarding comment on flow compensation usage and/or obliquity in discussion of plane selection
- Dr. Laue to reach out to Dr. Barboriak re: R1 maps for prostate
- Dr. Laue to reference T1 paper from Andrey, et al. and correct prostate Claims

Update on repeatability analysis and publication

- This is the largest metanalysis on functional imaging data ever conducted
- Dr. O'Connor provided an update on the data compiled for the repeatability analysis
 - Once the last few data points are received, a reanalysis of the complete data will be done, and slides will be distributed
 - Dr. O'Connor to respond to questions from Drs. Barboriak and Yost, for access to ACRIN data in exchange for including ECOG-ACRIN in the Acknowledgements Section of this paper

Next Steps:

- The next DCE-MRI BC meeting will be held on **Monday, June 12, 2023, at 11:30 a.m. – 12:20 p.m. CT**
 - Dr. O'Connor to share final repeatability metanalysis results and to discuss plans for the corresponding publication
 - The start time will be shifted forward by 30 mins to accommodate key attendees
 - Slides will be circulated for review ~ 1 week in advance to allow attendees time to prepare feedback and questions
 - Goal is for Dr. O'Connor to finalize a clear plan of analysis and determine further steps need to be done, followed by presentation of the manuscript
- [DCE-MRI Profile v2.0](#) to be completed, followed by BC review, and vote-to-publish the Profile as Stage 2: Consensus followed by an MR CC vote

Participants are welcome to contact RSNA staff at QIBA@RSNA.org if their attendance is not reflected in meeting summaries.