

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

Monday, January 24, 2022, at 11 a.m. (CT)

Meeting Summary

In attendance

Hendrik Laue, PhD (Co-Chair)
Zahra Hosseini, PhD

Cristina Lavini, PhD
Nancy Obuchowski, PhD

Russell Rockne, PhD
Rianne van der Heijden, MD, PhD

RSNA staff

Joe Koudelik
Susan Stanfa

Topics Discussed:

- Progress on BC internal review and DCE Profile editing in reference to [Public Comment Resolutions Google Sheet](#)
- NIST phantom lending library update
- Presentation from Dr. Rockne re: [Repeatability of Tumor Perfusion Kinetics in Glioblastoma](#). Woodall, et al. *Neuro-Oncology Advances*. 2021; 3(1)
 - Cancer prediction models using MRI data based on quantitative DCE measurements
 - Repeatability of Ktrans in glioblastoma based on 29 patients using two different models (Tofts and Leaky)
 - QIN dataset is publicly available with [GBM Treatment Response data](#)

Action Items / Next Steps:

- Incorporation of test-retest data from Woodall, et al. study into the next DCE-MRI Profile version may be considered, but for now, it will be referenced in the current version
- [Public Comment Resolutions](#) to continue to be incorporated into the [DCE-MRI BC Profile](#); assignments for internal BC review were confirmed
 - Drs. Hosseini, Laue, and Lavini to work on technical aspects
 - Drs. Chung and Shiroishi to focus on clinical sections, including 2 and up to 3.8
 - The Comment Resolutions sheet is being updated by reviewers to track progress and completion
 - Consistency to be improved re: using either T1 or R1 mapping throughout the Profile
- The goal is to complete internal BC review by the end of the first week of February

Next meeting: Monday, February 14, 2022, at 11 a.m. (CT) [2nd & 4th Mondays of each month]

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