

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

Monday, October 11, 2021, at 11 a.m. (CT)

Call Summary

In attendance

Hendrik Laue, PhD (Co-Chair)

Zahra Hosseini, PhD

Cristina Lavini, PhD

Nancy Obuchowski, PhD

Mark Shiroishi, MD

RSNA staff

Joe Koudelik

Julie Lisiecki

RSNA Staff attempt to capture all committee members participating on Zoom calls. However, if attendees join only by phone, or do not use a recognizable name, identification is not possible. Participants are welcome to contact RSNA staff at QIBA@RSNA.org if their attendance is not reflected on the call summaries.

DCE-MRI Profile Public Comments Continued to be Addressed

- The [Public Comment Resolutions Sheet](#) was discussed
- DCE-MRI BC members are welcome to work on edits to the [Profile](#) currently in progress

Note: below comments correspond to the [Stage 1: Public Comment version of the DCE-MRI Profile](#) posted on the [Profiles page](#) of the QIBA Wiki

- Increasing number of slices in 3D resolution increases resolution and quality while reducing artifacts
 - Suggestion to generalize statement regarding covering the anatomy of interest
- Region of interest (ROI), spatial resolution suggestion to be considered; could be tumor (narrow) or whole brain, depending on the study
- Sufficient number of slices for the ROI needed while also maintaining the spatial and temporal resolution

Next Steps / Action Items:

- Dr. Laue to follow up with Dr. Andrews regarding:
 - Pixel spacing re: whether T1 VFA measurement should be at same sequence and parameter as dynamic
 - Prostate table re: comment on flow compensation usage and or/obliquity in discussion of plane selection
- Dr. Chung to be consulted re: prostate field strength: 1.5T or 3.0T; brain is 1.5T

Next call: Monday, October 25, 2021, at 11 a.m. (CT) [2nd & 4th Mondays of each month]