

QIBA Dynamic Susceptibility Contrast (DSC-MRI) Biomarker Committee (BC) Meeting

Wednesday, March 9, 2022, at 11 a.m. (CT)

Meeting Summary

Participants

Leland Hu, MD (Co-Chair)

Ona Wu, PhD (Co-Chair)

Ararat Chakhoyan, PhD

Lisa Cimino, RT

Wolter de Graaf, PhD

Kiran Dhakal, PhD

Zhaoyang Fan, PhD

Lucas McCullum, MS

Nancy Obuchowski, PhD

RSNA

Joe Koudelik

Susan Stanfa

The following topics were discussed:

- New members:
 - Ararat Chakhoyan, PhD: consultant in neuroscience and biomedical imaging; postdoctoral researcher in Zilkha Neurogenetic Institute at the University of Southern California
 - Lucas McCullum, MS: medical physicist in radiation oncology in the research department at Massachusetts General Hospital / Harvard Medical School
- DSC-MRI White paper in [Google Drive](#) [[Dr. Wu](#) can be contacted re: the latest draft version]
 - Progress update
 - Explanatory text in Clinical Interpretation section regarding longitudinal Claim thresholds for confidence interval and detectable change
 - Review and discussion of Assumptions for Profile Validity section
- Profile Update
 - Defining “normal” brain
 - Focus of Profile on clinical trials vs. routine clinical practice

Action items

- Due to a dearth of reproducibility data in the literature, groundwork is still needed to support the DSC-MRI Profile Claim values more strongly
- Dr. Hu to add double dose, low flip angle test-retest study on healthy volunteers to “Future Directions” section of the white paper
- Dr. Wu to send the link to the latest version of the white paper to Dr. Hu and he will merge his edits into it

Next DSC-MRI BC Meeting: Wednesday, April 13, 2022, at 11 a.m. CT

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