

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

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

Meeting Summary

Participants

Leland Hu, MD (Co-Chair)

Mark Shiroishi, MD (Co-Chair)

Ona Wu, PhD (Co-Chair)

Michael Boss, PhD

Lisa Cimino, RT

Kiran Dhakal, PhD

Bradley Erickson, MD, PhD

Nancy Obuchowski, PhD

Jacob (Bram) Stolk, PhD, MBA

Yuxiang Zhou, PhD, DABR

RSNA

Joe Koudelik

Susan Stanfa

The following topics were discussed:

- Announcement of Dr. Hu as a third Co-chair alongside Drs. Shiroishi and Wu, effective Feb. 1, 2022
- Updated version of [DSC-MRI White paper](#) in [Google Drive](#)
 - Progress update
 - Remaining issues for discussion, including limitations, next steps in Profile development, figures to add

Action items

- Dr. Stolk to provide a DSC-MRI BC update to QSIC
- The white paper title was updated to “The QIBA Profile for Dynamic Susceptibility Contrast MRI-Based Quantitative Imaging Biomarkers for Multi-Center Neuro-oncology Trials”
- White paper assignments:
 - Dr. Hu to add explanatory text to clinical interpretation section regarding longitudinal Claim thresholds for confidence interval and detectable change
 - Drs. Erickson and Hu to address/edit software discrepancy
 - Dr. Shiroishi to work on introduction regarding longitudinal vs cross sectional use/claims, create QIBA profile stages/levels of development workflow figure, reference [clinical trials.gov](https://clinicaltrials.gov) to determine number of trials that focus on rCBV for brain tumor imaging trials
 - Dr. Obuchowski to edit QIB section re: terminology about reproducibility and what it means to be a QIB; Dr. Wu to send her a Word version of the white paper
 - Expect to submit draft to *Radiology* by end of February 2022
 - Drs. Shiroishi, Hu and Erickson to provide content re: future directions
- Dr. Zhou suggested discussing technical aspects of phantom use during the March 9 meeting

Next DSC-MRI BC Meeting: Wednesday, March 9, 2022, at 11 a.m. CT

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