

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

Wednesday, October 13, 2021, at 11 a.m. (CT)

### Call Summary

#### Participants

Ona Wu, PhD (Co-Chair)

Bradley Erickson, MD, PhD (Co-chair)

Zhaoyang Fan, PhD

Nancy Obuchowski, PhD

Kathleen Schmainda, PhD

Yuxiang Zhou, PhD, DABR

#### RSNA

Julie Lisiecki

#### The following topics were discussed:

- Progress update on the DSC-MRI [white paper draft](#), which can be found in the group's [Google Drive](#)
- Discussion regarding the differences between repeatability and reproducibility
  - **Repeatability:** test/retest where nothing has changed, biologically or procedurally
  - **Reproducibility:** test/retest where an element has changed, e.g., different time different day, new equipment, different technical personnel, etc.
- Addition of a simplified claim with 85.9% as the cut point, which would indicate a “real change”
- Reference to Dr. Erickson's data: <http://qibadscdro.rnsa.org/home>

#### Action items

- Reminder to edit the white paper using “suggestion mode” to track edits and see changes
  - Drs. Erickson and Wu to meet with DSC-MRI BC members at the Dec. 1 QIBA Working Meeting to finalize white paper edits
  - Draft to be ready for submission to *Radiology* by the end of December 2021
- NIH/FDA combined definition of quantitative imaging biomarkers, the Biomarkers, EndpointS, and other Tools (BEST) Resource glossary to be included in the white paper
- If interested in participating in the OSUPI initiative (Open-Source Initiative for Perfusion Imaging) to review software; please email Dr. Schmainda: [kathleen@mcw.edu](mailto:kathleen@mcw.edu)

#### Reference:

[Consensus recommendations for a dynamic susceptibility contrast MRI protocol for use in high-grade gliomas](#)

**Next DSC-MRI BC Call:** Wednesday, November 10, 2021, at 11 a.m. CT

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