

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

Wednesday, October 12, 2022, at 11 a.m. (CT)

Meeting Summary

Participants

Ona Wu, PhD (Co-Chair)
Lisa Cimino, RT

Zhaoyang Fan, PhD
Sina Nazemi, MD

RSNA

Susan Stanfa

The following topics were discussed:

- DSC-MRI BC updates added to Dashboard, e.g., manuscripts (finalizing edits in White paper and DSC phantom paper), presentations, [link](#) to Dr. Erickson's DROs
- Review of DSC-MRI White paper draft to be submitted to *Radiology*
- Developing a cross-sectional Claim in the DSC-MRI Profile for clinical implementation

Action items

- Steps for including a cross-sectional Claim in the DSC-MRI Profile for clinical implementation
 - Individual clinical patient data are needed to determine the standard deviation of AUC-TN (rCBV) values within an individual ROI in a single patient to:
 - Estimate within a subject a truly abnormal AUC-TN value with respect to contralateral hemisphere as well as in the enhancing tumor
 - Determine amount of change in rCBV values needed to be 95% confident of true abnormality
 - Repeatability precision value would need to be determined
 - To determine true change, the variability in the values among the voxels from a single scan and a single subject would need to be known
 - Dr. Shiroishi to request original spreadsheets from Dr. Schmainda to determine what the minimum volume should be, e.g., x voxel
 - Dr. Wu to download [The Cancer Imaging Archive \(TCIA\)](#) datasets to determine whether there are clinical DSC data with pre- and post-GABA T1
- Staff to provide DSC-MRI roster with attendance details for White Paper Acknowledgments section
- White Paper to be circulated among co-authors once references are finalized and word count is reduced (target date is by Oct. 31)

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

Zoom link: <https://rsna-org.zoom.us/j/89423374513?pwd=UXJMMmZIRm45UzY5amxNNFNKNUNjZz09>

Meeting ID: **894 2337 4513** | Passcode: **DSC**

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