

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

Wednesday, February 8, 2023, at 11 a.m. (CT)

## Meeting Summary

### Participants

Leland Hu, MD (Co-chair)

Michael Boss, PhD

Shanshan Jiang, MD, PhD

### RSNA

Susan Stanfa

Mark Shiroishi, MD (Co-chair)

Lisa Cimino, RT

Sina Nazemi, MD

Ona Wu, PhD (Co-Chair)

### The following topics were discussed:

- Progress update on DSC-MRI White paper draft to be submitted to *Radiology*

### Action items

- To reduce word count to meet *Radiology* submission guidelines, Dr. Wu moved technical detail to a supplementary document
  - **Dr. Shiroishi to review the supplementary material and follow up with Dr. Fan, who was going to co-register images from another case**
  - **Example figures with smaller, potentially more reproducible ROIs sent by Dr. Hu will be included, as well as a more detailed discussion of alternate methods for normalization**
- Discussion re: figure illustrating workflow, showing ROI placements and how to find the ROI in normal appearing white matter or in the tumor enhancement region
  - Dr. Erickson indicated his preference for the 4 cm<sup>2</sup> ROI approach
- The workflow and normalization method in Section 4.7 Assessment Procedure to be updated for consistency with methods used in Prah paper, upon which the Profile Claim is based
  - Clarification to be added re: the ROI approach, noting multiple normalization methods
  - An additional round of public comment not required for minor amendments to Profile that do not impact Claim
  - Edits can be made to Profiles between stages; **the Process Cmte is working on nomenclature for versioning**
    - **Keeping track of Profile revisions for transparency to be discussed and Dr. Boss will follow up with the DSC-MRI BC**
  - Discussion re: documenting Profile revisions and the associated rationale
    - The change log had been omitted from the streamlined Profile template to reduce Profile length and in response to feedback from the user community
    - Suggestion to add comments re: latest updates to an additional tab of the DSC-MRI Consensus Comments Resolution Google Sheet instead
    - Staff to follow up with DSC leaders to confirm their editing privileges for the public comment resolutions Google Sheet used during the consensus process
    - Decision made to retain the change log in the stage 2 consensus DSC-MRI Profile
- **Dr. Shiroishi to finish summary statement, fix references section, and add key words**
- Once the draft is completed, Dr. Shiroishi to send updated version of the white paper to Drs. Hu and Wu for review; it will then be forwarded to all co-authors for approval

**Next DSC-MRI BC Meeting:** Wednesday, March 8, 2023, at 11 a.m. CT

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Participants are welcome to contact RSNA staff at [giba@rsna.org](mailto:giba@rsna.org) if their attendance is not reflected in meeting summaries.