

QIBA Diffusion-Weighted Imaging (DWI) MR Biomarker Committee (BC) Meeting

Wednesday, September 27, 2023, at 1 pm (CT)

Meeting Summary

Participants

Michael Boss, PhD (Co-chair)

Dariya Malyarenko, PhD (Co-chair)

Daniel Margolis, MD (Co-chair)

Thomas Chenevert, PhD

Amita Shukla Dave, PhD

Brigid McDonald, PhD

Kevin Miller, MS

Nancy Obuchowski, PhD

Lisa Wilmes, PhD

Jessica Winfield, PhD

RSNA

Susan Stanfa

Discussion Topics

- Letter to RSNA Quantitative Imaging Committee (QUIC)

Action Items:

- Review of letter to QUIC, involving efforts by Drs. Boss and Malyarenko (academics) and Drs. deSouza and Margolis (clinicians) which includes the following aspects:
 - Interest in continuing DWI BC activities under the auspices of RSNA
 - ADC advocated for as one of the 1 – 3 QIBs on which QUIC could focus
 - Focus on translatability and increased rigor of ADC as a result of DWI BC Profile efforts
 - BC establishment of formal conformance certification options for the Profile to support broad use and adoption of Profile
 - To further the clinical impact of DWI, the goal of the QIBA DWI Biomarker Committee has been to ensure the clinical adoption of ADC in clinical trials and clinical practice
 - Reference to Dave, et al 2019 paper, “Quantitative imaging biomarkers alliance (QIBA) recommendations for improved precision of DWI and DCE-MRI derived biomarkers in multicenter oncology trials,” which yielded over 250 citations
 - Establishment of technical parameters and operating characteristics for prostate MRI (PI-RADS)
 - Intent to parlay the success of QIBA to develop a CPT code for quantitative DWI as has been done for MR elastography

Next Steps:

- Latest version of letter to QUIC to be circulated for BC feedback to Dr. Boss by Sept. 29, as goal is to finalize letter by Sept. 30
 - Board@rsna.org email may be used to directly reach out to the RSNA BOD
- Latest version of Special Report to be circulated for BC edits/comments to Dr. Malyarenko by Oct. 10
 - Dr. Malyarenko to schedule 2-hour, offline meeting to discuss BC feedback and to make assignments
- **Next DWI-MR BC Meeting:** Tuesday, October 24, 2023, at 1 p.m. CT [4th Tuesday of each month]

Participants are welcome to contact RSNA staff at giba@rsna.org if their attendance is not reflected in meeting summaries.