

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

Tuesday, November 14, 2023, at 1 pm (CT)

Meeting Summary

Participants

Michael Boss, PhD (Co-chair)

Dariya Malyarenko, PhD (Co-chair)

Daniel Margolis, MD (Co-chair)

Trevor Andrews, PhD

Thomas Chenevert, PhD

Amita Shukla Dave, PhD

Nandita deSouza, MD

Kevin Miller, MS

Nancy Obuchowski, PhD

Mark Shiroishi, MD

Callie Weiant, JD

Lisa Wilmes, PhD

Jessica M. Winfield, PhD

RSNA

Joe Koudelik

Susan Stanfa

Discussion Topics

- “The QIBA Profile for MR Diffusion-Weighted Imaging of the Apparent Diffusion Coefficient (ADC) as a Quantitative Imaging Biomarker” Special Report Update
- Letter from DWI BC to RSNA Quantitative Imaging Committee (QUIC)
- Announcement from CaliberMRI

Action Items:

- Revisions were made to the Special Report following its original submission; Dr. Boss to resubmit after making final adjustments
- Dr. Margolis to send a OneDrive link to collect digital signatures from DWI BC leaders and Dr. deSouza, then the letter to QUIC will be submitted to qiba@rsna.org, and staff will forward it to QUIC Leaders
- CaliberMRI, in partnership with RSNA, serves as an authorized provider of QIBA Conformance Certification for the DWI BC’s ADC Profile
 - To support broader Profile adoption and implementation, CaliberMRI to offer free RSNA/QIBA conformance certification to DWI BC member sites through December 2023
 - Interested sites should contact kmiller@qmri.com and/or cweiant@qmri.com

Next Steps:

- **Next DWI-MR BC Meeting:** Tuesday, December 19, 2023, at 1 p.m. CT
 - QSIC’s QIBA Concept, Status Summary and Outlook document on activities of 17 BCs across all four QIBA modalities to be reviewed
 - Highlights the impact of QIBA efforts since its 2007 inception
 - Discussion on DWI BC efforts after Dec. 22
 - Plan for meeting admin support, document distribution, etc.
 - Adoption of streamlined Profile template and revisions
 - Section 4 to be updated to include use of ambient temperature phantom, which would reduce burden on implementation sites and enable compatibility of the breast phantom with the Profile
 - Claims to be updated to reflect recent literature review and metanalysis: wCV of prostate Claim to be decreased, increasing its utility
 - Dr. Mami lima is interested in continuing collaboration with QIBA Japan

QI Sessions and Activities at RSNA 2023

- *2023 QI Symposium: Sponsored by QIBA: Quantitative Imaging in the Era of Artificial Intelligence: Opportunities and Needs*, Wednesday, November 29, 2023, from 2 to 4 pm CT at McCormick Place. [Room E253AB \(East Building / Lakeside Center\)](#).
- *Building a Quantitative Imaging Research Study*, Tuesday, November 28, 2023, from 11:00 am to 12:00 pm CT at McCormick Place. [Room S405 \(South Building\)](#).