

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

Tuesday, July 25, 2023, at 1 pm (CT)

Meeting Summary

Participants

Michael Boss, PhD (Co-chair)

Dariya Malyarenko, PhD (Co-chair)

Amita Shukla Dave, PhD

Nandita deSouza, MD

Kevin Miller, MS

Nancy Obuchowski, PhD

Savannah Partridge, PhD

Rebecca Rakow-Penner, MD, PhD

Callie Weiant, JD

Lisa Wilmes, PhD

Jessica M. Winfield, PhD

Gudrun Zahlmann, PhD

RSNA

Joe Koudelik

Susan Stanfa

Discussion Topics

- QIBA Transition
- Update on literature review for scientific report (formerly referred to as the white paper)

Action Items:

QIBA transition update and DWI BC next steps

- Feasible BC deliverables need to be determined, as QIBA admin support and BCs will be dissolved in ~5 months
- In-process Profiles to be advanced to nearest stage and/or summary or white paper of the Profile to be published
- Once formed, the new RSNA Quantitative Imaging Committee (QUIC) may initially focus on 1-3 QIBs
- QIBA brand to remain following the dissolution of the current structure; process for approval of QIBA Profiles in 2024 and beyond to be determined by the QUIC
- QIBA Wiki will be accessible post-transition
- BC members are welcome to submit comments / questions about transition plans to the [Future Direction of QIBA Activities Form](#)
- Possible natural partnerships with societies, e.g., ISMRM, ASFNR, etc. to be considered
- QIBA volunteers to speak at upcoming conferences to continue to emphasize the importance of quantitative imaging, especially with more AI approaches being utilized for imaging acquisition and processing
- DWI BC tasks in order of priority:
 - Complete scientific report to submit for publication in the Fall
 - Adjust prostate Profile Claim
 - Address performing QA with room temperature ADC phantom in QA section of the DWI Profile
- Will most likely not be possible to adapt the Profile to the streamlined template within the next 5 months
- DWI to determine steps for ensuring continuing Profile development and clinical implementation

Next Steps:

- Write 2 – 3-page letter to QUIC, advocating for ADC as one of the 1 – 3 QIBs on which to focus
 - DWI BC accomplishments to be highlighted
 - Pathways to clinical impact and necessary resources to be defined
 - Aim for completion by September 30
- Meeting with Dr. Malyarenko, Obuchowski, Partridge, et al., to be scheduled to review prostate literature and confirm whether there are sufficient data to support Profile Claim adjustment
- Scientific report text to be edited and data to be organized in tables; to be circulated by September 30
- **Next DWI-MR BC Meeting:** August 22, 2023, at 1 p.m. CT [4th Tuesday of each month]