

QIBA fMRI Biomarker Committee (BC) Meeting

Wednesday, November 15, 2023, at 11 a.m. (CT)

Meeting Summary

In attendance

Feroze Mohamed, PhD (Co-chair)

Jay Pillai, MD (Co-chair)

David Soltysik, PhD (Co-chair)

Ichiro Ikuta, MD, MMSc

Andrew Kalnin, MD

Anthony Liu, PhD

Judd Storrs, PhD

James Voyvodic, PhD

RSNA staff

Susan Stanfa

Review of Previous Meeting Summary:

- The 11.01.2023 meeting summary was approved as presented

Discussion Topics

- Studies to be published or written
- QIBA fMRI Language-Mapping Profile 2.0
- Future fMRI Profile Writing Group meetings

Action Items

- Journal suggestions for Dr. Voyvodic's reproducibility and QA study: [Journal of Neuroradiology](#), [Scientific Reports](#), [Journal of Neuroimaging](#)
- Considering writing papers on: (1) multisite comparison that found wider disparity in performing registration than anticipated and (2) head motion correction method
- While the fMRI Profile will be refined and finalized, BC members decided that it will remain in its current Profile development stage, i.e., it will not be disseminated for public comment
- Efforts will focus on the Special Report and drafting the Methods section to include derivation of Claims
 - Details on groundwork studies, e.g., motor-mapping reproducibility study, multisite comparison, main reproducibility, etc. and how to achieve Claims to be included

Next Steps

- Dr. Voyvodic to review multisite study data and contact staff to schedule an offline call to be self-hosted
 - Intention is to finish this paper prior to completing the Special Report, as it applies to one of the limitations related to performing clinical fMRI cited in the paper
- The next fMRI BC meeting will be held on **Wednesday, December 6, 2023, at 11:00 a.m. CT**, in the meantime:
 - Dr. Voyvodic to work on the reproducibility and QA study papers and Dr. Soltysik to provide feedback
 - Staff to circulate the latest version of the Profile and Dr. Storrs to conduct line-by-line review
- QIBA Wiki to remain accessible beyond the QIBA-QUIC transition; once finalized, the Profile will be posted on fMRI Committee page
- The last RSNA staff-supported meeting will be held on Wednesday, December 20
 - fMRI efforts to continue as an independent Profile-writing group after Dec. 22; Dr. Mohamed to look into hosting calls through his institutional Zoom account
 - Calls will initially continue on a bi-weekly basis until the Special Report is completed, after which frequency may be reduced to monthly

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 \(South Building\)](#).