

QIBA fMRI Biomarker Committee (BC) Meeting

Wednesday, October 5, 2022, at 11 a.m. (CT)

Meeting Summary

In attendance

Feroze Mohamed, PhD (Co-chair)

Jay Pillai, MD (Co-chair)

David Soltysik, PhD (Co-chair)

Shruti Agarwal, PhD

Andrew Kalnin, MD

Ho-Ling (Anthony) Liu, PhD

Nancy Obuchowski, PhD

Kiran Talekar, MD

James Voyvodic, PhD

Francisco Zamorano, PhD

RSNA staff

Susan Stanfa

Review of Previous Meeting Summary:

- The 9.21.2022 meeting summary was approved as presented

Topics Discussed:

- Review of changes made to the Profile since the last fMRI BC meeting on Sept. 21
- Section 3.9: Image analysis checklist: Weighted Center of Mass of Activation (wCMA) or peak
- Appendix A: Activity Requirements

Next Steps / Action Items:

- Section 3.9: Image analysis checklist was edited to state “shall compute weighted laterality index for a pair (left and right) of language ROIs”
- Additional details related to the Section 3 Activity Requirements were added to Appendix A
- Discussion regarding whether the Appendices should include (1) all information in Section 3 plus additional details or (2) only additional details; there were concerns about repetition and alignment
- Dr. Voyvodic to provide for inclusion in Appendix, examples of Laterality Index calculations as well as calculations for locations of activations in clusters
- Updates made to Appendix A: Activity Requirements were reviewed
 - A.2: Product Validation Specification table
 - A.3: Staff Qualification Specification table – Actors were updated
 - A.4: Periodic Quality Assurance (QA) – Specifications were added to the table
 - A.5: Protocol Design Specification Table
 - A.6: Subject Task Handling – Dr. Soltysik requested BC member assistance in adding discussion
 - A.7: Image Acquisition – Dr. Soltysik requested BC member assistance in adding text
 - A.8: Image Quality Assurance - Distortion of EPI, Magnetic Susceptibility, and Field Inhomogeneities were added to an existing paragraph
 - Additional discussion needed re: Profile Claims holding when a patient has severe magnetic susceptibility artifacts or field inhomogeneities
- The deadline for a completed draft is the RSNA Annual Meeting; three fMRI BC meetings remain

Next meeting: Wednesday, October 19, 2022, at 11 a.m. CT (1st & 3rd weeks of each month)

Join Zoom Meeting: <https://rsna-org.zoom.us/j/87552084926?pwd=eU9MWGV6a3JWRHlkZ0wzdEZsK3JoQT09>

Meeting ID: 875 5208 4926

Passcode: fMRI

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