

QIBA fMRI Biomarker Committee (BC) Call

Wednesday, September 1, 2021, at 11 a.m. (CT)

Call Summary

In attendance

Jay Pillai, MD (Co-chair)

David Soltysik, PhD (Co-chair)

Shruti Agarwal, PhD

Cathy Elsinger, PhD

Ichiro Ikuta, MD, MMSc

Anthony Liu, PhD

Judd Storrs, PhD

Yuxiang Zhou, PhD, DABR

RSNA staff

Joe Koudelik

Susan Stanfa

RSNA Staff attempt to identify and capture all committee members participating on Zoom calls. However, **if attendees join only by phone, or do not use a recognizable name, identification is not possible**. Participants are welcome to contact RSNA staff at QIBA@RSNA.org if their attendance is not reflected on the call summaries.

Review of Previous Call Summary

- The 08.18.2021 call summary was approved as presented

fMRI Language-Mapping Profile v2.0 Profile

- Dr. Liu has performed a comparison of the current fMRI Profile to the Process Committee streamlined template
- No content from the current version of the fMRI Language-Mapping program was removed; information was simply reordered:
 - Section 1: The Executive Summary was condensed, Section 2 Clinical Context and Claims was shortened, and they were merged into this single section
 - Section 2: Conformance contains standard language re: how to conform to the Profile, e.g., participating staff and equipment (“Actors”) shall meet each checklist requirement assigned to them in Section 3
 - Section 3: Checklists were moved to the front of the document so that end users will be able to locate requirements more easily
 - Consensus is needed re: actors and their responsibilities
 - Not all checklists in the template will apply to all BCs
 - Suggestion to consider alignment with CPT codes, where applicable
 - Physicists and physicians to be separated
 - Section 4: Assessment Procedures remains in the same place
 - Appendices: Discussions, subsections, interpretation text and imaging protocol specifications, i.e., details not required for achieving the Profile Claim, were relocated from the body of the document to the appendices
- The main priority will be to establish checklists with appropriate actors for each task; discussion re: the extent of items to include
 - For Profile usability and a greater chance of implementation, the QIBA Process Committee recommends that checklists include only requirements necessary for achieving Claims, with unrequired items located in the appendix
 - A contrasting view was that unrequired items should remain in the checklist, solely for the purpose of standardization
 - Lessons learned from feasibility site feedback on fMRI Motor-mapping Profile checklist items should be considered when developing Language-Mapping Profile checklists; respondents had indicated for each task:
 - When they did not have the capability to complete a task and why, e.g., access to specific software
 - When they had the capability to complete a task and were willing to do so
 - When they had the capability to complete a task but would not be willing to perform it in their routine work and why, e.g., time limitations
- To ensure version control, collaboration on a single working Google Doc was recommended

Next steps:

- Staff to distribute the Profile template and following assignment information:
 - Drs. Agarwal and Pillai – Section 1.2.1, Assumption 1: fMRI neuro-vascular-coupling and 2: Functional specificity; Section 3.5 Physician Checklist
 - Dr. Storrs – Section 3.6 Physicist Checklist
 - Dr. Liu – Section 3.7 Technologist Checklist
 - Dr. Elsinger – Section 3.8 Image Analyst Checklist
 - Dr. Soltysik – Appendix 4 Periodic QA: text discussed during the Aug. 18 meeting to be inserted
- Assigned sections will be discussed during the next meeting on Sept. 15

Next call: Wednesday, September 15, 2021, at 11 a.m. CT (1st & 3rd weeks of each month)