

QIBA fMRI Biomarker Committee (BC) Meeting

Wednesday, September 7, 2022, at 11 a.m. (CT)

Meeting Summary

In attendance

Feroze Mohamed, PhD (Co-chair)

David Saltysik, PhD (Co-chair)

Shruti Agarwal, PhD

Cathy Elsinger, PhD

Ichiro Ikuta, MD, MMSc

Erin Kelly, PhD

Ling (Anthony) Liu, PhD

Yuxiang Zhou, PhD

RSNA staff

Joe Koudelik

Susan Stanfa

Review of Previous Meeting Summary

- The 8.17.2022 meeting summary was approved as presented

Topics Discussed:

- Single peak cluster vs. Weighted Center of Mass of Activation (wCMA) post-processing software approaches
- Neurosurgeon requirements for pre-surgical planning regarding various ROI approaches
- Lack of standardization in current post-processing and thresholding approaches

Next Steps / Action Items:

- Rationale needed regarding the benefits on precision of each method (ROI clusters vs. anatomical based approaches)
- Dr. Voyvodic to provide explanation regarding the peak cluster algorithm/method for others to reproduce results
- New Profile Claim needed to support single peak cluster approach
- Surgeon confidence in approach, access to technology, and fMRI workflow remain issues in the community
- QIBA contribution will be an increase in precision and confidence regarding interpretation of results
- Profile to help produce better quantitative and repeatable fMRI maps across a wide range of scanners and imaging tasks
- Dr. Elsinger to share a recent radiologist poll publication for reference
- References in Section 4, Assessment Procedures, need cleaning

Next meeting: Wednesday, September 21, 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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