

QIBA fMRI Biomarker Committee (BC) Call

Wednesday, April 4, 2018 at 11 AM CT

Call Summary

In attendance

Feroze Mohamed, PhD (Co-chair)

Jay Pillai, MD (Co-chair)

David Soltysik, PhD (Co-chair)

Ted DeYoe, PhD

Andrew Kalnin, MD

Nancy Obuchowski, PhD

James Reuss, PhD

Yunhong Shu, PhD

RSNA

Susan Stanfa

Review of Previous Call Summary

- The 03.21.18 call summary was approved as presented

QIBA Checklist: “fMRI Center of Mass Estimation for Pre-surgical Assessment (fMRI-CMA)”

- The acquisition hardware checklist was reviewed
- Reviewed Profile Claim
 - Discussion on statistical assumptions that underlie the fMRI Motor-Mapping Profile Claims
 - Dr. Soltysik presented simulated data to better understand precision-testing
 - Dr. Soltysik plans to create DROs with noise to test Claim performance
- Drs. Soltysik and Voyvodic’s validation checklists to be merged and any redundancies removed
- For the checklist, all Profile users need to be able to:
 - Download a set of DROs
 - Determine the center of mass of activation for each DRO
 - Calculate the within-subject standard deviation across subjects
 - Determine if the value meets the Profile Claim
- In efforts to avoid having two different validation procedures in the same document, Drs. Soltysik and Voyvodic to discuss which DROs should be used during the April 10 fMRI Bias TF t-con

Next calls:

- QIBA fMRI Bias TF call – Tuesday, April 10, 2018 at 1 PM CT
- QIBA fMRI Biomarker Committee call – Wednesday, April 18, 2018 at 11am CT

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