

## QIBA fMRI Biomarker Committee (BC) Call

Wednesday, December 13, 2017 at 11 AM CT

Call Summary

### In attendance

*Jay Pillai, MD (Co-chair)*

*James Reuss, PhD (Co-chair)*

Feroze Mohamed, PhD

Nancy Obuchowski, PhD

Flavius Raslau, MD

David Soltysik, PhD

James Voyvodic, PhD

### RSNA

Joe Koudelik

Susan Weinmann

### Review of Previous Call Summary

- The 11.15.2017 call summary was approved as presented

### 2017 RSNA Annual Meeting / QIBA Working Meeting

- Dr. Pillai reported that during the fMRI breakout session, there was general discussion regarding next steps for the fMRI BC
  - Drs. Pillai, DeYoe, Elsinger, Welker and Storrs were in attendance
  - Dr. Elsinger acted as scribe; a summary is being prepared
  - Focus of the discussion was on Profile 1.0, specifically regarding the lack of public comments received, how to obtain greater involvement from ASFNR and how to get more feedback from industry representatives

### Profile 2.0 Update

- There was discussion on the status of ASFNR recommendations for language tasks
- Need to focus on developing a clear Claim
- A suggestion was made to survey neurosurgeons regarding clinical relevance and performance specifications of Profile 2.0
- A 2.0 literature review progress update was provided
  - Lateralization and localization of language for Claims discussed
  - Discussion on use of machine learning to address a variety of different thresholds
- Dr. Kathy Price's review of language and models was added to the Google Drive fMRI Profile 2.0 work area
  - Discussion on how the content is relevant for Profile 2.0, concerning what is essential to pre-surgical mapping
  - Additional exploration of the specificity of paradigms is needed, as it would be useful to know how each paradigm performs and which areas of the brain are being targeted
  - To access the fMRI Profile 2.0 work area, which includes literature searches and articles, please visit the following Google Drive folder:  
<https://drive.google.com/drive/folders/0B6So9x1DSqdaZG1NbG5IbHNCU3c?usp=sharing>

## Profile 1.0 Status Update

- Round-5 DRO project measurement approach differences were discussed and the manuscript of results is being drafted by Drs. Pillai and Voyvodic
- Dr. Mohamed to forward his site DRO activation maps to Dr. Voyvodic
- Discussion on how to pursue the Profile Technical Confirmation stage and how to get target sites involved in clinical trials
- RSNA staff to send out reminder for Profile 1.0 public comment deadline; public comment closes on Dec 31
- Profile feasibility-testing across sites during the Technical Confirmation Profile stage to be discussed
- The next fMRI BC call is January 10; agenda to include discussion of the next Profile stage

## Call for Volunteers: fMRI BC Co-Chair Post

- Drs. Reuss and DeYoe to step down as co-chairs in January 2018
- Drs. Mohammed and Soltysik were suggested as possible new fMRI BC co-chairs, as they have contributed considerable time and effort over the past several years
- Drs. Pillai and Elsinger sent recommendations to MR CC co-chairs and a selection will be made soon
- The aim is to increase participation and enthusiasm in the fMRI BC efforts

## Next calls:

- QIBA fMRI Bias TF call – Tuesday, December 19, 2017 at 1 PM CT
- QIBA fMRI Biomarker Committee call – Wednesday, January 10, 2018 at 11am CT [[RSNA offices closed on Dec. 27](#)]

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