

QIBA fMRI Biomarker Committee Call Summary
Wednesday, October 7 at 11 AM CT
Call Summary

In attendance

James Reuss, PhD (Co-Chair)
Thomas Chenevert, PhD
Feroze Mohamed, PhD

Jay Pillai, MD
David Soltysik, PhD

James Voyvodic, PhD
Zhiyue Jerry Wang, PhD

RSNA

Joe Koudelik
Susan Weinmann

Moderator: Dr. Reuss

Review of Previous Call Summary

- The September 23 call summary was approved as presented

QIBA fMRI BC Poster for RSNA 2015 (DUE 10/30) – Assignments (Dr. Reuss)

- To maintain topic uniformity across all posters, content should address each of the following:
 - Organizational structure updates, e.g., brief description of new Biomarker Committees, Task Forces (i.e., Profile writing groups) or new biomarkers being considered, etc.
 - Profile Development – status update (Dr. Mohamed)
 - Conformance procedure update (if applicable at current stage of Profile development)
 - Groundwork project status/results (Drs. Voyvodic, DeYoe and Pillai)
- Dr. Reuss will create a framework for the poster and will lead the development process
- Dr. Reuss will contact other possible contributors within the fMRI BC
- The focus of the 10/13 fMRI Bias TF will be on poster content
- A rough draft of the poster will be ready by the next fMRI BC call on 10/21

Update on Profile Development (Dr. Mohamed)

- Discussion on 3rd party QA guidelines ensued
 - The fBIRN study contains numbers on acceptable stability measurements over time
 - The recommendation is to verify regularly and confirm that scanner is well-functioning
 - ACR accreditation requires scanner evaluations to ensure equipment is up to standard; staff credentials are checked as well
 - QIBA Profile should provide guidance on QA standards, but not provide software
 - Stability measurements on scanners vary too widely among different vendors to be compared
 - It was recommended that the Profile should state what needs to be done to achieve conformance, but not how it should be done

NIBIB Year 5 Proposal Status (Drs. Voyvodic and Pillai)

- RSNA staff was notified on 9/30 that the NIBIB awarded a contract to RSNA for the support of QIBA activities, including round 5 projects
- Round 5 projects are being submitted to the federal contract officer for approval
- RSNA staff hope to hear from the contract officer in a week or two, then will send information to project PI institutions for approval
- The contract went into effect on 9/30/15

Further QIDW Feedback & Organization for fMRI DROs

- QIBA members to determine how the QIDW will be organized
- The decision on the base allotment of data that would be useful to those who want to duplicate results or test phantoms will depend upon the needs of QIBA members
- Whole brain T1 images, fMRI scans (with ~25 slices), and supporting reference details uploaded with each DRO created by Dr Voyvodic
- fMRI BC to decide what Rnd-4 DRO representative examples are most appropriate for uploading
- Feedback on the current usability of the QIDW was encouraged

New Business

- On October 1, RSNA staff distributed Dr. Obuchowski's suggestion for fMRI Bias group to compare observed activation to expected activation – discussion to occur on a future call
- Profile conformance statement needs to be discussed further

Next calls:

- QIBA fMRI Bias TF call - Tuesday, October 13 at 10am CT
- QIBA fMRI Biomarker Committee call - Wednesday, October 21 at 11am CT