

QIBA fMRI Biomarker Committee Call Summary
Wednesday, February 25, 2015 at 11 AM CT
Call Summary

In attendance

Ted DeYoe, PhD (Co-Chair)

James Reuss, PhD (Co-Chair)

Edward Jackson, PhD

Andrew Kalnin, MD

Feroze Mohamed, PhD

Nancy Obuchowski, PhD

Jay Pillai, MD

David Soltysik, PhD

Daniel Sullivan, MD

James Voyvodic, PhD

Yuxiang Zhou, PhD

RSNA

Joe Koudelik

Julie Lisiecki

General Announcements:

- Review and approval of previous call summary

Old Business:

1. DRO Project update (Drs. DeYoe and Voyvodic)
 - Once testing of new DRO set is complete, post processing via MCW software will be conducted and results will be sent to Drs. Voyvodic and Soltysik to identify potential fixes
 - After fixes are incorporated, the DROs will be uploaded to the QIDW, along with descriptive files re their creation and Matlab code
 - Users of the DROs will be “blind” testers, without knowledge of ground truth
 - Materials for reconstruction of DROs including scripts representing ‘ground truth’ will be archived and stored on the QIDW when validation and updates are completed
 - Special access permission for the QIDW will have to be programmed
2. Oral presentations for [ASFNR 2015](#) (Dr. Reuss)
 - Dr. DeYoe will be the main presenter at ASFNR, with co-presenters, Drs. Reuss and Elsinger.
 - Assistance with slides is requested; figures from recent posters will be used
 - Continued discussion planned for fMRI Bias call on March 3rd
3. RSNA 2015 poster: Both QIBA Kiosk and general abstract submission? Deadline: April 8th at Noon (CDT).
 - Two posters are under consideration: a “results” poster for the DRO testing and a QIBA fMRI Profile poster, summarizing the group’s efforts
 - Complete poster content not needed for the RSNA April 8th abstract submission process
4. Profile development (Dr. Mohamed) – continuing work
 - Overview of compliance was discussed
 - Threshold definition can be difficult – determining what is in compliance vs. what is not
 - It was recommended that the group consult with Dr. Obuchowski and Mr. Buckler
 - The CT Volumetry BC is presently designing a field test that addresses precision and bias
 - Algorithm challenges are under consideration for compliance testing

Action Items:

- Drs. DeYoe, Elsinger, and Mohamed to talk offline regarding Profile updates
- Dr. DeYoe to follow up with Dr. Pillai offline regarding graded levels of NVU data collected

Next calls:

- QIBA fMRI Bias TF call – Tuesday, March 3rd at 10 am CT
- QIBA fMRI Biomarker Committee call – Wednesday, March 11th at 11 am CT