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

Call Summary

In attendance
Ted DeYoe, PhD (Co-Chair)  
Feroze Mohamed, PhD  
Daniel Sullivan, MD  

James Reuss, PhD (Co-Chair)  
Nancy Obuchowski, PhD  
James Voyvodic, PhD  

Edward Jackson, PhD  
Jay Pillai, MD  
Yuxiang Zhou, PhD  

Andrew Kalnin, MD  
David Soltysik, 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)
   o 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
   o After fixes are incorporated, the DROs will be uploaded to the QIDW, along with descriptive files re their creation and Matlab code
   o 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)
   o 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

   o Two posters are under consideration: a “results” poster for the DRO testing and a QIBA fMRI Profile poster, summarizing the group’s efforts
   o Complete poster content not needed for the RSNA April 8th abstract submission process

4. Profile development (Dr. Mohamed) – continuing work
   o Overview of compliance was discussed
   o 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