

QIBA fMRI Biomarker Committee Call Summary
Wednesday, August 12, 2015 at 11 AM CT
Call Summary

In attendance

Ted DeYoe, PhD (Co-Chair)

James Reuss, PhD (Co-Chair)

Thomas Chenevert, PhD

Edward Jackson, PhD

Andrew Kalnin, MD

Dariya Malyarenko, PhD

Jedidiah (Jed) Mathis

Nancy Obuchowski, PhD

Jay Pillai, MD

David Soltysik, PhD

James Voyvodic, PhD

Zhiyue Jerry Wang, PhD

RSNA

Susan Weinmann

Moderator: Dr. Reuss

Review of Previous Call Summary

- The July 29 call summary was approved as presented

Round 4 Project Status Update (Drs. DeYoe, Voyvodic and Pillai)

- The fMRI DRO multi-site project will be finished on schedule
- It was reported that there was an increase in activation volume to datasets with motion in comparison to datasets without motion
- Dr. DeYoe's correlation analysis revealed robust center of mass measurements to head motion
- Several versions of the analysis have been re-run
- The maximum amplitude of head motion that can occur while still meeting the Profile claim is being investigated
- A neurovascular uncoupling (NVU)-DRO is being created using Dr. Pillai's data
 - Dr. DeYoe explained the process of creating the simulation
 - Although this endeavor was somewhat successful, its application and use is still being determined
 - Dr. Pillai will upload DRO data to the QIDW
 - Drs. DeYoe and Pillai will have further discussion offline
- Dr. Pillai will complete his work by the end of next week and will submit notes for the progress report

NIBIB Year 5 Proposal: Budget Feedback (Drs. Voyvodic and Pillai)

- Nothing new to report at this time

Profile Development

- Discussion on the Profile will resume at the next fMRI BC call on August 26 at 11 am CT

QIDW Feedback (Drs. Jackson et al)

- Feedback was received from fMRI BC members regarding the QIDW
 - One significant issue was space limitations
 - Dr. Jackson reported that while storage has been expanded several times, he will approach RSNA Informatics Staff if additional space is needed
 - The QIDW needs to be more publicly visible
 - Current priorities include determining how to appropriately de-identify data and organize data, i.e., file structures
 - Additional discussion needed regarding matching data to the target audiences including: QIBA members, fMRI BC members, and interested members outside of QIBA

Other Business

- Dr. Jackson suggested that the QIDW may be considered as a significant component of this year's general QIBA poster
- Dr. Chenevert announced that his tenure as the MR Scientific Liaison has begun and that he and Dr. Malyarenko have been working together to attend as many MR calls as possible

Next calls:

- QIBA fMRI Bias TF call - Tuesday, August 18 at 10am CT ([To focus on DRO progress and bias results](#))
- QIBA fMRI Biomarker Committee call - Wednesday, August 26 at 11am CT ([To focus on Profile](#))