

QIBA fMRI Bias Work Group Call
Tuesday, May 28, 2013 at 10 AM CT
DRAFT Call Summary

Participants

James Voyvodic, PhD (chair)
Barbara Croft, PhD
Ted DeYoe, PhD
Erich Huang, PhD

Feroze Mohamed, PhD
Daniel Sullivan, MD
Yong Zhou, PhD

RSNA

Joe Koudelik
Madeleine McCoy

Agenda: Follow-up from the QIBA Annual Meeting for next steps regarding bias and linearity issues in the context of future QIBA fMRI projects.

Discussion:

- Survey of data processing methods/ approaches currently being used to run synthetic data was suggested; Dr. DeYoe to spearhead this effort
- A central core project could be established to generate standardized DRO datasets in DICOM format
- A step-by-step document of project accomplishments to be developed
- fMRI Digital Reference Object
 - Phase I - Generating and uploading images the QIDW archive
 - Phase II - Analyzing data to address Profile technical gaps
 - Dr. DeYoe volunteered to lead an effort to generate DRO data and outline potential variables
 - Drs. Elsinger, Reuss, Rigolo and Mr. Buckler to perform data analysis
- Doodle poll suggested to be sent to the ctte to gauge participant interest
 - Who will be prepared to download datasets and activation maps
 - Volunteers needed to download DRO DICOM datasets, run through their individualized analysis pipeline to generate activation maps, and re-upload maps for a centralized analysis

Next steps:

- Drs. Voyvodic and DeYoe to discuss data upload logistics (QIDW) and specify which data parameters are to be manipulated

Next calls:

- QIBA fMRI Technical Committee, *Wednesday, June 5, 2013 at 11 am CT*
- QIBA fMRI Bias Working Group, *Tuesday, June 11, 2013 at 10 am CT*