

QIBA fMRI Technical Committee Update
Wednesday, September 11, 2013 at 11 AM CT
Draft Call Summary

In attendance

Ted DeYoe, PhD (Co-Chair)

Feroze Mohamed, PhD

James Voyvodic, PhD

RSNA

Joe Koudelik

Cathy Elsinger, PhD (Co-Chair)

Jay J. Pillai, MD

Zhiyue Jerry Wang, PhD

Julie Lisiecki

Barbara Croft, PhD

Laura Rigolo, MS

Kirk Welker, MD

Andrew Kalnin, MD

David Soltysik, PhD

Project Proposal Update

The fMRI Technical Committee Project was ranked favorably in the initial QIBA Steering Committee review and prioritization process

No other update is available at this time.

Following up with IRBs

Dr. Wang indicated that IRB approval is not required by his institution for de-identified images.

- The e-mail from the IRB will be shared for the record.

DRO test sites encouraged to send IRB responses to Dr. DeYoe: deyoe@mcw.edu.

Consideration to be given to additional data cleaning methods

fBIRN and NIH also have “de-facing” programs, which may be useful in de-identification of data

2013 QIBA Kiosk Poster Planning

Dr. Elsinger volunteered to draft an outline for the poster layout with suggested content to include:

- Background leading to development of DRO
- Discussion to continue on Tuesday’s Bias Working Group call
 - different types of DROs available
 - where available and how to obtain empirical datasets
- Suggested title: “fMRI Data Processing Pipeline and Sources of Variance”
- Suggestion to include Dr. Mohamed’s updated document from the Profile in graphic format

The deadline for a print-ready-poster is November 1st.

Work to begin on preparation of empirical datasets

Drs. DeYoe and Voyvodic mentioned that they has some human data and know how to anonymize the datasets properly

Current DICOM “anonymized features” is not sufficient; many identifiers remain embedded in the data, which causes trouble with IRB review

Suggested work-around was to convert files from DICOM to NIFTI format

Volunteers that can help prepare additional anonymous datasets asked to contact Dr. Voyvodic:

jim.voyvodic@duke.edu.

Additional challenges with fMRI-specific tasks such as how to include “head motion” into a DRO must be addressed.

Action items:

Group to continue discussion of handling sources of variance (SOVs) on next fMRI Bias Working Group call

Volunteer DRO sites to send IRB statements to Dr. DeYoe: deyoe@mcw.edu.

Dr. Elsinger to draft outline of poster for RSNA 2013

Next calls:

QIBA fMRI Bias WG call - **Tuesday, September 17th**, at **10am CT**

QIBA fMRI tech committee call - **Wednesday, September 25th**, at **11am CT**

RSNA 2013 Annual Meeting - QIBA Technical Committees Working Meeting:

Wednesday, December 4th | 2:30pm – 5:00pm | Chicago, McCormick Place | Room: TBD

Please let us know whether you plan to attend by responding to the following

poll: <http://www.doodle.com/fwf76cegg78r75b>.

We appreciate your continued support and look forward to your participation - Thank You!