

QIBA fMRI Technical Committee/Reproducibility Update

Wednesday, August 10, 2011; 11 AM CDT

Call Summary

In attendance

Jeffrey Petrella, MD (co-chair) James L. Reuss, PhD
Andrew Buckler, MS Laura Rigolo, MS
Ted DeYoe, PhD Daniel C. Sullivan, MD
Feroze Mohamed, PhD James T. Voyvodic, PhD
Jay J. Pillai, MD Domenico Zaca, PhD

RSNA

Joe Koudelik
Julie Lisiecki

QIBA fMRI Technical Committee/ Reproducibility Update Call Agenda

Reproducibility Project updates? (Jim V)

- QIBA Poster for RSNA – opportunity to present reproducibility results
- Other ideas?

Profile Draft Progress (Cathy and Feroze)

- Cathy will work on sections 1 & 2, Executive summary and Clinical Context and Claims
- Feroze will edit outline and include subheadings for section 3 – Profile Details (workflow document relevant here)
 - o *III. Profile Details*
 - *1. Subject Handling*
 - *2. Image Data Acquisition*
 - *3. Image Data Reconstruction*
 - *4. Image Analysis*

QIBA fMRI/DICOM WG 16 (Jim R)

- Review of Jim's DICOM working paper
 - List of potential objects

QIBA/RIC Activities (Jim V)

- What could we contribute to this effort in terms of data?
 - Can we contribute to the OIA use-case and key attributes document posted on the Wiki?

Next Steps

- Group to review DICOM function assessment document prepared by Dr. Reuss on QIBA Wiki before the next call:
http://qibawiki.rsna.org/images/d/db/Reuss-Proposal-DICOM-functional-assessment_07.27.2011.pdf
 - o Please share any feedback with Dr. Reuss, and be prepared to discuss on next call with a focus on inclusion of items that are not already in DICOM headers, important for clinical fMRI
 - o A future meeting of the group to be devoted to DICOM exclusively to prioritize areas that are most important for manufacturers
- Dr. DeYoe to confer with Dr. Voyvodic regarding required methods of data processing for publication
- fMRI poster for RSNA 2011 discussed – “making fMRI reproducible/ quantitative”
 - o Dr. Voyvodic to work on poster draft for next meeting
 - Focus on pictures, experiment results, figure in Dr. Voyvodic's paper demonstrating iterations
 - Tumor graphic: Show difference with and without tool use
 - Demonstrate importance of issue: Frame the problem and show how the group is addressing it
 - o Timeline: two month window; RSNA needs printed poster by mid-October
 - o Handout companion to poster proposed (8 ½ x 11):
 - Poster printed on front side with results on back with “refer to poster for URL and additional information”
- Dr. DeYoe to send a document sample to Dr. Mohamed to demonstrate prioritizing for Profile inclusion.
- Group to consider how best to contribute to the OIA (Open Image Archives) and the QIBA/ RIC (Radiology Informatics Ctte) Task Force efforts

Next Call:

Wednesday, **8/24/11** QIBA fMRI Tech Ctte Call (combined fMRI tech committee/reproducibility), 11 am CDT