

## QIBA fMRI Technical Committee/Reproducibility Update

Wednesday, August 24, 2011; 11 AM CDT

Call Summary

### In attendance

Cathy Elsginer, PhD (co-chair)

Jeffrey Petrella, MD (co-chair)

Ted DeYoe, PhD

Feroze Mohamed, PhD

James L. Reuss, PhD

Laura Rigolo, MS

### RSNA

Julie Lisiecki

## QIBA fMRI Technical Committee/ Reproducibility Update Call Agenda

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### Reproducibility Poster for RSNA (Jim V)

- "making fMRI reproducible/ quantitative"
- Draft to circulate?
- Timeline: two month window; RSNA needs printed poster by mid-October
- Handout companion to poster proposed (8 ½ x 11)

### Profile Draft Progress (Cathy and Feroze)

- Will circulate updated outline and initial draft sections for feedback this week

### 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?

### QIBA fMRI/DICOM WG 16 (Jim R)

- Review DICOM function assessment document prepared by Dr. Reuss located on WIKI:  
[http://qibawiki.rsna.org/images/d/db/Reuss-Proposal-DICOM-functional-assessment\\_07.27.2011.pdf](http://qibawiki.rsna.org/images/d/db/Reuss-Proposal-DICOM-functional-assessment_07.27.2011.pdf)
- Inclusion of items that are not already in DICOM headers, important for clinical fMRI
- Schedule future meeting of the group to be devoted to DICOM exclusively to prioritize areas that are most important for manufacturers

### Discussion:

- Discussion of what is a biomarker in fMRI, and how biomarkers are distinguished from images.
- Further discussion on how to use images with quantitative methodology, Consideration of a workflow survey to engage RSNA attendees in poster area

### Next Steps

- RSNA staff to post revised DICOM function assessment document prepared by Dr. Reuss on QIBA WIKI
- Group to send comments to Dr. Reuss for incorporation prior to next call
- Dr. DeYoe to confer with Dr. Voyvodic regarding reproducibility segment for RSNA 2011 poster
- Dr. Elsing to edit the poster template from RSNA 2010; to get input from Dr. Voyvodic for reproducibility section (figures from the face-to-face meeting)
  - *Group to consider:* "Should we show how a quantitative imaging biomarker is used in fMRI?"
  - How to include workflow in an easy-to-read manner on the poster?
- Dr. Mohamed will continue to work on Table of Contents and filling in Profile
- Dr. Elsing will continue to work on workflow document – steps with relevant headings (possibly use 3 rows)
- Drs. Elsing and Mohamed to confer regarding rephrasing headers
- Handout companion to poster proposed (8 ½ x 11):
  - Poster information printed on front side with results on back with reference to full poster for URL and additional information that *will include workflow standards*

### Next Calls

- Wednesday, **9/7/2011** QIBA fMRI Tech Ctte Call, 11 am CDT
- Tuesday, **9/13/2011**, QIBA fMRI Reproducibility Call, 11 am CDT