

QIBA fMRI Reproducibility Work Group Call

Tuesday, August 7, 2012 at 11 AM CT

Call Summary

Participants

James Voyvodic, PhD (Chair)

Barbara Croft, MD

Ted DeYoe, PhD

Jeffrey Petrella, MD

Jay J. Pillai, MD

Laura Rigolo, MS

David Soltysik, PhD

RSNA

Julie Lisiecki

General Discussion

- Dr. Voyvodic noted that QIBA fMRI Reproducibility projects are soon coming to an end
 - Drs. Voyvodic and DeYoe collaborating on report details
- Dr. DeYoe is finishing up metanalysis of data with a new surface-based measurement
 - Taking combined datasets to generate combined numbers for metrics
 - Using MatLab and measurements of the visual cortex to capture variability and calculation of “surface normal”
 - These numbers will eventually be used for the claim metric
 - A model could be set up to calculate the average variability of boundary position for use with many applications
- For data archive, emphasized points:
 - Only use data that is relevant to the claim
 - Consider how data would impact FDA approval for devices or procedures
 - Note that the experiment will not have validity if reproducibility cannot be proven
 - Publications will also be important supporting information
 - Focus on “shell approach” described by Dr. DeYoe (MatLab measurements)
- Group also considering a public statement or position paper to preface the Profile regarding QIBA efforts, what the project data can be used for, etc.
- Dr. Pillai is working on his final project report
 - request for formatting guidance
- Dr. Petrella reminded the group to address each of their project deliverables in their written reports

Next steps

- Group to review data on the next call, **Tuesday, August 21st**.
- The Call for Papers that was forwarded by Dr. Reuss will be discussed on the next Technical Committee call
- Final project reports due to from Drs. DeYoe, Voyvodic, and Pillai

Next calls:

QIBA fMRI Technical Committee, **Wednesday, August 15, 2012 at 11 am CT**

QIBA fMRI Reproducibility Working Group, **Tuesday, August 21, 2012 at 11 am CT**