

## 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 21<sup>st</sup>**.
- The Call for Papers that was forwarded by Dr. Reuss will be discussed on the next Technical Committee call
- Final project reports due 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**