

QIBA fMRI Reproducibility Work Group Update
Tuesday, June 7, 2011 at 11 AM CDT

Call Summary

In attendance

James Voyvodic, PhD (Chair)
Ted DeYoe, PhD
Feroze Mohamed, PhD

RSNA

Joe Koudelik

General Discussion Items

- Workflow topics and progress discussed
- SPM, FSL, AFNI analysis algorithms discussed; many sites utilizing fMRI, but clinicians remain skeptical of FDA approved software
- Dr Voyvodic submitting results of quantitative reproducibility study for publication (independent of QIBA activities)
- Laterality Index requires more clarity at a later date
- Cross-normalization methods discussed
- Dr DeYoe to begin signal analysis on his datasets utilizing AMPLE thresholding
- If possible, Dr Voyvodic to send c-code to Dr DeYoe so analysis can be done in a identical manner

Next Steps

- Continuation of fMRI reproducibility issues to discuss on the next group call
- Dr DeYoe to implement Dr Voyvodic's published algorithm in his dataset analysis
 - Dr Voyvodic to send c-code to Dr DeYoe if possible
- Next call scheduled for Tuesday, June 21st, at 11 am CDT