

**QIBA fMRI Technical Committee Update**  
Wednesday, December 21, 2011 at 11 AM CST  
Call Summary

**In attendance**

Cathy Elsinger, PhD (Co-Chair)  
Jeffrey Petrella, MD (Co-Chair)  
Paul L. Carson, PhD  
Ted DeYoe, PhD  
Jay J. Pillai, MD

James L. Reuss, PhD  
Daniel Sullivan, MD  
James Voyvodic, PhD  
Domenico Zaca, PhD

**RSNA**

Julie Lisiecki

**QIBA fMRI Technical Committee Call Agenda**

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**General Items:**

- Progress on current funded projects, on target (JV, TD, JP)
- Dr. Pillai has accomplished mapping and is doing data analysis for 19 patients
  - o submitted manuscript for review to a journal
  - o will distribute final article to the group once minor edits are complete
- Drs. Voyvodic and DeYoe are collaborating on the AMPLE method and how it works in the visual cortex
  - o Ironing out differences between vision and motor/ language areas
  - o Drs. Voyvodic, Reuss, and DeYoe would prefer another time for the fMRI Reproducibility calls
    - RSNA staff will circulate a Doodle poll with several proposed times

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

- Waiting for feedback on document before initiating further activities

**RSNA Meeting Summary**

- Profile to focus on mapping of motor regions to start
- Refine claims (establish a 'range' of acceptable measure for each readout; are we happy with current readouts; accuracy – specificity readouts?)
- Continue to work on completing sections/editing of current draft
- Face-to-Face working meeting at ASFNR (Orlando – March) to work on profile draft under consideration
  - o Dr. Elsinger to follow up regarding space availability

**ASFNR – present poster from RSNA 2011**

- Dr. Reuss to draft an abstract to submit
  - o Dr. Reuss suggested surveying the participants at ASFNR for specific feedback on Profile questions
  - o Dr. Carson suggested a presentation with interactive phone -polling options
- Society for Brain Mapping and Therapeutics is another possible meeting venue for Profile feedback (June 2-4<sup>th</sup>, Toronto)

**Further Discussion**

- Re-examine what is most relevant clinically for pre-surgical planning, e.g. readouts
- What would be required in readouts by a neurosurgeon? – Map / assessment/ interpretation are all key components.
- Dr. Voyvodic proposes to revise the Profile claim to reflect an end product with more practical applications.
- Dr. Elsinger suggested adding information about: peak, hot spots, signal changes, specificity, statistics
  - o Suggested to begin with the specific steps for one area, e.g., motor mapping
- Dr. Petrella mentioned that variability coming from a radiologist's interpretation must be considered
  - o Group proposed to do a small-scale intra-reader assessment within the fMRI Tech Cttee – will assess 4-5 fMRI cases datasets anonymously as a test of what is the best map and to see how they differ and to isolate interpretive aspect; to analyze results as a group at ASFNR

**Next Steps**

- Dr. Elsinger to add Executive Summary to Profile draft and RSNA staff to post to WIKI / distribute for review
- Group to discuss intra-reader technical committee project further on next call
- RSNA Staff to identify a new time for fMRI Reproducibility calls via Doodle poll

**Next Calls**

- QIBA fMRI Technical Committee, **Wednesday, January 4, 2012** at 11 am CST (*reminder will be sent 1/3*)
- QIBA fMRI Reproducibility WG, *TBD via Doodle poll*