

QIBA fMRI Technical Committee Update

Wednesday, April 25, 2012 at 11 AM CT

Call Summary

In attendance

Cathy Elsinger, PhD (Co-Chair)

Ted DeYoe, PhD

Feroze Mohamed, PhD

James Reuss, PhD

David Soltysik, PhD

Daniel Sullivan, MD

Domenico Zaca, PhD

RSNA

Joe Koudelik

Madeleine McCoy

QIBA fMRI Technical Committee Call Agenda, April 25, 2012

1. Workflow Matrix/Polling

- Dr. Reuss plans to revise the poll to clarify training and post processing positions; feedback welcome
 - Distribution via Wiki and possibly to ASFNR membership
 - Goal to have agreement on multiple language paradigms for inclusion by 4/25 meeting

2. QIBA Annual Meeting

- Topics for discussion in breakout session will include:
 - Profile work – current outline
 - Year 3 funding for fMRI projects
 - Knowledge gaps and topic priorities
 - Must identify strategically what 2-3 proposals might cover
 - Will need to apply for funding in the short-term
 - Need summaries of currently funded projects, what we will have learned from current work and how will info satisfy current knowledge gaps, or is continuation required?

3. Profile Development - Sources of Variance Summary (March 2012)

(Section Focus 1.3 - 4/11 meeting) continue discussion

1. Subject/Patient Handling
 - 1.3 *Subject selection (fMRI appropriate)*
 - 1.5. Paradigm library specification (patient/context appropriate)
 - 1.6. Subject ability assessment
 - 1.7 Paradigm task training
 - 1.8 Measurement/collection of performance characteristics
 - 1.10 Subject positioning in the scanner

Discussion

1. Workflow Matrix/Polling (Dr Reuss)

- Dr. Petrella distributed the poll at the recent ASNR meeting and received 500+ responses
- Questions included (1) Number of fMRI scans performed clinically and (2) Number of respondents who knew that their scanners were fMRI capable
- Dr. Petrella will tabulate the results and present to the ctte
- Distribution via QIBA Wiki and Dr. Reuss to contact ASFNR leadership to request e-distribution to membership

2. QIBA Annual Meeting

- Topics for discussion in breakout session will include:
 - Profile work – current outline
 - Year 3 funding for fMRI projects

- Knowledge gaps and topic priorities

3. Profile Development - Section Focus 1.3 discussed (Subject/Patient Handling)

- 1.3 *Subject selection (fMRI appropriate)*
- 1.5. Paradigm library specification (patient/context appropriate)
- Ctte focus to be on motor tasks 1st, language tasks 2nd

Action Items:

1. Dr. Mohamed will update profile sections 1.3 and 1.5 based on discussion
2. Next agenda will include section 1.5 outline as starting point for continued discussion/completion

Next Meetings

- QIBA fMRI Reproducibility WG, *Tuesday, May 1st at 11 am CT*
- QIBA fMRI Technical Committee, *Wednesday, May 9th at 11 am CT*