

QIBA fMRI Biomarker Committee (BC) Call

Wednesday, April 5, 2017 at 11 AM CT

Call Summary

In attendance

Ted DeYoe, PhD (Co-Chair)

James Reuss, PhD (Co-Chair)

Thomas Chenevert, PhD

Feroze Mohamed, PhD

Nancy Obuchowski, PhD

Jay Pillai, MD

David Soltysik, PhD

James Voyvodic, PhD

Zhiyue Jerry Wang, PhD

RSNA

Joe Koudelik

Susan Weinmann

Review of Previous Call Summary

- The 3.22.2017 call summary was approved as presented

fMRI Profile v1.0 draft (All)

- To support concurrent access and editing, the fMRI Profile v1.0 is on Google docs at:
https://docs.google.com/document/d/1M8XywlKVYSI9_SXfmvkPzVdnunVTXHwc3CdnqFTsCw/edit?usp=sharing
- Vote-to-release e-ballot, sent out to eight fMRI BC eligible voters, closed with 6 “Yes” and 1 “No”, thus approving Profile release
- Next step is the MR CC e-ballot vote-to-release process
- Discussion continued on Section 4: Assessment Procedures
 - New subsections added that include training and preparation needed for actors
 - Discussion on Dr. DeYoe comments added to Section 4.4 Assessment Procedure: Image Analyst / Physicist / Neuroscientist
 - Specific language to be addressed: “The analyst should undergo documented training by a radiologist/neuroscientist having qualifications conforming to the requirements of this Profile in terms of anatomical location and statistical threshold technique(s) used to select activation target(s)...”
 - Issue: in many centers / institutions, staff who develop and support image analysis end up training the physician, not the other way around
 - Subsection to be modified
 - ACR Accreditation in 4.2 Assessment Procedure: Technologist, to be verified regarding fMRI quality
 - Additional details needed regarding MR pulse sequence requirements
- Actors featured in Profile (Table 1) to be limited only to those who are germane to carrying out Claim; if not part of the assessment process, detail should be removed
- Assessment of performance criteria needed to assess the ability of each actor to produce activation maps

Next calls:

- QIBA fMRI Bias TF call - Tuesday, April 25 at 10am CT
- QIBA fMRI Biomarker Committee call – Wednesday, April 19 at 11am CT