QIBA fMRI Biomarker Committee (BC) Call
Wednesday, April 5, 2017 at 11 AM CT
Call Summary

In attendance

Ted DeYoe, PhD (Co-Chair)  Feroze Mohamed, PhD  David Soltysik, PhD  Joe Koudelik
James Reuss, PhD (Co-Chair)  Nancy Obuchowski, PhD  James Voyvodic, PhD  Susan Weinmann
Thomas Chenevert, PhD  Jay Pillai, MD  Zhiyue Jerry Wang, PhD

RSNA

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/1M8XywKvYs9J_SXfmvkPzVdnunVtxHwc3DnhqFTrsCw/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