QIBA fMRI Biomarker Committee (BC) Call
Wednesday, July 25, 2018 at 11 AM CT

Call Summary

In attendance
- Feroze Mohamed, PhD (Co-chair)
- Ping Hou, PhD
- Uma Ranjan, MSc, PhD
- RSNA staff
- Joe Koudelik
- Jay Pillai, MD (Co-chair)
- Andrew Kalnin, MD
- Jim Voyvodic, PhD
- Susan Stanfa
- David Soltyšik, PhD (Co-chair)
- Anthony Liu, PhD
- Jerry Wang, PhD
- Shruti Agarwal, PhD
- Nancy Obuchowski, PhD
- Yuxiang Zhou, PhD, DABR
- Cathy Elsinger, PhD

Review of Previous Call Summary
- The 07.11.18 call summary was approved as presented

Announcements
- New fMRI BC member, Dr. Anthony Liu from MD Anderson, introduced himself and explained his interest in fMRI for pre-surgical mapping

fMRI Motor-Mapping Profile 1.0 Update
- Dr. Elsinger reviewed edits made to the Profile and explained the process used to address public comments
  - Many comments were simple suggestions or wording changes
  - It was proposed that more complex feedback be discussed as a group during a line-by-line comment review

Distribution of the Checklist
- Staff first distributed the check list to core fMRI BC members on July 16 and distributed revised documents on July 17
  - “Core fMRI BC membership” includes those who have participated in one or more t-cons over the previous 6 months
- The September 19 fMRI BC t-con will be devoted to discussing checklist issues as reported by reviewers
- The October 15 deadline allows at least 3 months for feedback from core fMRI BC members

fMRI Language-Mapping Profile 2.0 Planning
- First step is to establish specific Claims relating to quantifiability and reproducibility; focus and methodology to be determined
- The co-registration issue in both Profile 1.0 and 2.0 was discussed
  - Optimal and acceptable methods need to be specified in 1.0
  - Discussion occurred regarding Dr. Liu’s paper, which suggests verifying co-registration without recommending a procedure, as procedures themselves are not always completely reliable
    - Suggestion to use information in headers regarding where images will be used
    - Recommendation to visually inspect and manually realign to be included in Profiles 1.0 and 2.0
  - Dr. Elsinger volunteered to draft Profile text (section 3.8.2) re: an agnostic co-registration process
  - Suggestion to add discussion on different approaches to Section 3.8.1: Image Processing
o Tables to contain “Shall language” specifications for co-registration, geometrical distortion and susceptibility void

- After Dr. Mohamed reconvenes with Dr. Reuss to request ownership of the Google fMRI Drive, which serves as a repository for fMRI-related literature and Profiles, he will send out access invitations to core members
- Literature review volunteers are needed

Next calls:
- QIBA fMRI Bias TF call – Tuesday, July 31, 2018 at 1 PM CT
- QIBA fMRI Biomarker Committee call – Wednesday, August 8, 2018 at 11am CT

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