

## QIBA fMRI Biomarker Committee (BC) Call

Wednesday, October 31, 2018 at 11 AM CT

### Call Summary

#### In attendance

*Jay Pillai, MD (Co-chair)*

*David Soltysik, PhD (Co-chair)*

Ping Hou, PhD

Ho-Ling (Anthony) Liu, PhD

Nancy Obuchowski, PhD

Flavius Raslau, MD

Kiran Talekar, MD

James Voyvodic, PhD

#### RSNA staff

Joe Koudelik

Susan Stanfa

#### Review of Previous Call Summary

- The 10.03.2018 call summary was approved as presented

#### Poster Preparation for RSNA 2018

- Poster feedback was discussed
- RSNA staff provided a list of active/core fMRI BC members to be included as authors
- The status of Profile v1.0 was noted and details regarding the site, hardware and image analysis conformance checklists were included
- The two separate head-motion DRO projects, associated figures and study conclusions were added
  - Discussion regarding the use of the Sample Standard Deviation of Motion (SSDM) metric; consistency between the two projects deemed necessary
- Print-ready poster to be sent to RSNA staff by Dr. Voyvodic on the afternoon of Oct 31

#### QIBA Working Meeting and Meet-the-Experts Sessions at RSNA 2018

- All are encouraged to RSVP for the [QIBA Working Meeting](#) on Wednesday, November 28<sup>th</sup>
- All are invited to volunteer for the poster [Meet-the-Expert](#) session times

#### Checklist

- The checklist had been circulated to core fMRI BC members to determine what is and is not feasible in terms of implementation within the guidelines of the fMRI v1.0 Profile
- Responses were tabulated from six clinical centers by the 10/31/18 deadline
- The following topics were discussed
  - BOLD map thresholding parameter and the following requirement: “shall identify a peak of fMRI activation in the vicinity of the motor cortex and set the threshold to 50% of the peak value. See Appendix F.”
  - Whether to remove contrast-to-noise (task-dependent) requirement: “shall calculate center-of-mass activation (CMA)”
  - Computing CMA requirement
- Discussions will continue during the Nov 14 fMRI BC call

**Next calls:**

- QIBA fMRI Bias TF call – Tuesday, November 6, 2018 at 1 PM CT
- QIBA fMRI Biomarker Committee call – Wednesday, November 14, 2018 at 11am CT

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RSNA Staff attempt to identify and capture all committee members participating on WebEx calls. However, **if multiple callers join simultaneously or call in without logging on to the WebEx, identification is not possible.** Call participants are welcome to contact RSNA staff at [QIBA@RSNA.org](mailto:QIBA@RSNA.org) if their attendance is not reflected on the call summaries.