QIBA fMRI Technical Committee Agenda & Call Summary
Wednesday, March 26th, 2014 at 11 AM CT

Call Summary

In attendance
- Zhiyue Jerry Wang, PhD
- Cathy Elsinger, PhD (Co-Chair)
- Kirk Welker, MD
- Edward Jackson, PhD
- Yuxiang Zhou, PhD
- Jay Pillai, MD
- James Reuss, PhD
- RSNA
- David Soltysek, PhD
- Joe Koudelik
- James Voyvodic, PhD
- Madeleine McCoy

General Announcements:

1. **2014 QIBA Annual Meeting**, May 21-22, 2014 at the Hyatt Regency Crystal City in Arlington, VA – we will not have a face to face breakout session of the fMRI TC.
   
   a. Jerry to present our status report on behalf of co-chairs

2. **Reminder - RSNA Call for Abstracts Online Submission** site closes at 12 Noon Central (Chicago) Time on April 9, 2014. [http://abstract.rsna.org/](http://abstract.rsna.org/) - All QIBA Technical Committees are encouraged to submit RSNA abstracts (i.e., posters, presentations, etc.) based on funded and non-funded project results and overall committee efforts to-date

3. **!!Time to Plan Round 4 Projects** - so that we are better positioned to start on time in October. **First draft concepts of proposals are needed by April 7, 2014**, so that we can meet the schedule outlined below. Ted and Jim to circulate draft update on DRO, etc. to the group before the 3/26 technical committee call


<table>
<thead>
<tr>
<th>Feb – March 2014</th>
<th>TCs discuss Profile gaps and projects needed to address them</th>
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<tr>
<td><strong>COB, April 7, 2014</strong></td>
<td>Concepts due to RSNA. RSNA staff collates and sends to SC by April 11, for discussion on Apr 17, 2014 SC t-con</td>
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| April 17, 2014 | SC discusses concepts for Go/No Go decision
TCs are advised as to which concepts should be developed further |
| **COB, May 12, 2014** | Revised concepts submitted to RSNA. RSNA collates and sends to SC by May14, for discussion at May 20, 2014 f-2-f SC Meeting |
| May 20, 2014 | SC votes on initial prioritizations.
Questions, need for clarifications provided to TCs |
| **COB, July 7, 2014** | Final project proposals submitted to RSNA.
RSNA staff collates and sends to SC by July 11, for discussion and final decisions on July 17, 2014 SC t-con |
| July 17, 2014 | SC makes final project selections/funding decisions
Notifications sent to Project PIs |
| Sept 2, 2014/as soon as Yr2 funding approved by NHLBI | Submit Subcontracts to NHLBI for COA |

4. **QIBA/NIBIB Round-3 Funded Project Updates** --
   - IRB updates
   - DRO format questionnaire version 5
   - DRO project descriptor file
   - DRO template development – status – Dummy DRO sent to Duke
   - QIDW – next steps
Discussion
2014 QIBA Annual Meeting

- Dr. Zhiyue Jerry Wang will provide the TC status report on Day 2. Dr. Elsinger to prepare a brief slide set and work with Dr. Wang re information, progress, overview and status.

RSNA Call for Abstracts Online Submission

- The committee was encouraged to submit and reminded of the April 9th abstract deadline

Face to Face fMRI Meeting at ASNR

- A Doodle Poll has been circulated for a f2f meeting of fMRI TC members attending ASNR
- Dr. Voyvodic recommended a f2f retreat where more TC members would be able to attend
  - An alternative suggestion was a ½ day video teleconference
  - Dr. Elsinger will work with RSNA Staff to identify a possible date during the following times:
    - Last week of April 2014
    - First two weeks of May
    - First week in June

DICOM WG 16 activity

- Dr. Reuss updated the group re the DICOM Work Group 16 convention and recent subcommittee actions.
- Dr. Jackson will follow-up with Dr. Reuss regarding the ISMRM and SQMR groups re feedback for the DICOM Work Group 16 proposal.

Round 4 Projects

- First draft high-level concepts of project proposals are due by April 7, 2014.
- Aim 1:
  - Basis for comparing fMRI methods
  - Characterize/redevelopment of DRO
  - Quality assurance network
- Phase 2:
  - Round-4 work to add more complicated sources of variability to the DROs to better understand bias and precision as related to the Profile claim
- Year 2:
  - Expand endpoint analysis by (1) comparing phantom results to acquire ground truth and (2) comparing clinical interpretation
  - Interpretation of DRO imaging site feedback on analyzing sources of variance
- Aim 3:
  - Addressing Neurovascular Uncoupling (NVU) issues in context of the DROs to address head motion
  - Determining how best to evaluate sources of variance and clinical endpoints
- DRO Project Discussions
- Year 2 priorities to build off of the Year 1 project framework
- Neurovascular Uncoupling Software Analysis
- Compare lists of potential sources of variance

Action Items

- The group was encouraged to respond to the Doodle Poll for an fMRI f2f at the ASNR this year
- Dr. Elsinger will read through the Profile to identify open issues needing further discussion.
- Suggestion to review the QIBA fMRI Poster from the RSNA 2013 Annual Meeting to lay out potential sources of variance.
- Discussions and prioritization of projects to continue on the fMRI Bias t-con, April 1st at 10am (CT). (Dr. Elsinger will not be available but will speak with Drs. DeYoe and Voyvodic for an update.)

Next calls:
- QIBA fMRI Bias WG call - Tuesday, April 1st, at 10am CT
- QIBA fMRI tech committee call - Wednesday, April 9th, at 11am CT