

## QIBA fMRI Technical Committee Update

Wednesday, September 26, 2012 at 11 AM CT

Call Summary

### In attendance

***Ted DeYoe, PhD (Co-Chair)***

***Cathy Elsinger, PhD (Co-Chair)***

***Jeffrey Petrella, MD (Co-Chair)***

Harris Ahmad, MD

Paul L. Carson, PhD

Barbara Croft, MD

Andrew J. Kalnin, MD

Feroze Mohamed, PhD

Jay J. Pillai, MD

James L. Reuss, PhD

David Soltysik, PhD

Daniel C. Sullivan, MD

James T. Voyvodic, PhD

### RSNA

Joe Koudelik

Madeleine McCoy

## QIBA fMRI Technical Committee Call Agenda, Wednesday September 26, 2012 (11 AM CDT)

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### 1. NIH Grant Awarded to Universities of Iowa, Pennsylvania and Washington – Model for future submission (Advice on Process Dan?)

-The National Institutes of Health/National Cancer Institute (NCI) has awarded a five-year research project grant to identify harmonized reconstruction parameters for each currently-produced PET/CT scanner for use in clinical trials. The Society of Nuclear Medicine and Molecular Imaging's (SNMMI) Clinical Trials Network (CTN) will serve as an administrative coordinating body for the Image Reconstruction Harmonization Grant, which was awarded in August to the Universities of Iowa, Pennsylvania and Washington. "Our goal with the grant is to identify a set of reconstruction parameters specific to each of the PET/CT scanner models currently in production that will result in images that will have quantitatively identical image properties." (John Sunderland)

- <http://grants.nih.gov/grants/guide/pa-files/PAR-10-169.html>

### 2. Posters for RSNA – review of template draft (Ted)

- **Deadline:** Hard-copy posters are due by Thursday, November 1, 2012 to RSNA Headquarters so that staff may coordinate shipment to the McCormick Place Convention Center.

### 3. Profile Development

- Profile writers meeting scheduled 9/14 – next meeting scheduled in October.
- Both QIBA CT Volumetry Technical Committee has released its Tumor Volume Change Profile (v2.2) and QIBA Perfusion, Diffusion and Flow-MRI Technical Committee have released DCE-MRI Quantification Profile (v1.0) for dissemination and implementation
- Discussion of most notable sources of variance.
- Pick up from page 14 of profile/comments?

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## Discussion

### NIH Grant Awarded to Universities of Iowa, Pennsylvania and Washington – Model for future submission

- Dr. Sullivan briefly described the process of how these three institutions worked together in obtaining a R01 grant.
  - It was suggested that Dr. Kinahan (U Washington) be invited to the QIBA fMRI Tech Cttee to discuss this process.
- Dr. Elsinger encouraged the committee to investigate various funding opportunities beyond NIBIB.
  - Dr. Sullivan suggested reaching out to Dr. Lawrence Clarke could provide more information on R01 funding.  
<http://grants.nih.gov/grants/guide/pa-files/PAR-12-286.html>  
<http://grants.nih.gov/grants/funding/r01.htm>

### Posters for RSNA 2012

- Draft poster layout discussed; Drs. DeYoe, Pillai, and Voyvodic to develop content for three column based on current projects
  - Goal would be to discuss three different reproducibility issues, possibly organizing by topic, such as visual and motor.
  - Focus would be on the frame of reference of the data collected and the future strategies.
  - Possible content overlapping between Drs. DeYoe and Voyvodic may enable the first column to be an overall statement for both projects.
- Hard copy of the poster is **due to RSNA by November 1<sup>st</sup>**.

### Profile Development

- The QIBA fMRI Tech Cttee face-to-face meeting at RSNA 2012 will be on Wednesday, November 28, 2012 3-5pm (CT).
- Tentative agenda will be a line-by-line read through of the fMRI Profile.
  - CT Volumetry and DCE-MRI Profiles for reference at: [http://rsna.org/QIBA\\_Protocols\\_and\\_Profiles.aspx](http://rsna.org/QIBA_Protocols_and_Profiles.aspx)
  - The QIBA fMRI Profile discussion included:
    - Claim language
    - Data-vision mapping
    - Consistency across paradigms
    - Sources of variance
- End of October 2012 targeted for first draft of QIBA fMRI Profile

### Next Steps:

- Drs. DeYoe, Pillai, and Voyvodic to develop poster content for **RSNA 2012**
- Dr. Elsinger to request Dr. Kinahan to join a future t-con to discuss the multi-institutional R01 grant
- Agenda topic for next t-con will be to continue discussion of sources of variance—Dr. Mohamed to discuss variance table
- New time for the Standing fMRI Reproducibility t-con—Doodle Poll to be sent by RSNA Staff—10/2 t-con cancelled.

### Next Meetings

- Next QIBA fMRI Technical Committee, **Wednesday, October 10<sup>th</sup>, at 11am CT**