

## QIBA Perfusion, Diffusion and Flow – MRI Biomarker Committee Update Call

Wednesday, 5 August 2015 at 11 AM (CT)

### Call Summary

#### Participants

*John Kirsch (Co-Chair)*

Harsh Agarwal, PhD

David Bennett, PhD

Joseph Borrello

Orest Boyko, MD

Thomas Chenevert, PhD

Amita Dave, PhD

Bradley Erickson, MD, PhD

Jacob Fluckiger, PhD

John Garber, MBA

Daniel Gembris, PhD

Edward Jackson, PhD

Sachin Jambwalikar, PhD

Hendrik Laue, PhD

Dariya Malyarenko, PhD

Nancy Obuchowski, PhD

Eric Perlman, MD

David Purdy, PhD

Walter Schneider, PhD

Ying Tang, PhD

Brian Taylor, PhD

Jihong Wang, PhD (JHW)

Ona Wu, PhD

Junqian (Gordon) Xu, PhD

Gudrun Zahlmann, PhD

Yuxiang Zhou, PhD

#### RSNA

Joe Koudelik

Susan Weinmann

*Moderators: Drs. Kirsch & Jackson*

#### DSC TF Update (Dr. Wu)

- Literature search process is underway
- Zotero is being used as research tool
- Volunteer readers are requested
- The last meeting was May 28
- Dr. Wu to follow up with Dr. Zhou re: help with vetting relevant articles

#### DTI TF Update (Dr. Schneider)

- In the process of phantom-testing
- A discussion ensued on how critical vendor input is to profiles – Dr. Schneider was asked about his experience with vendors
- fMRI BC / DTI TF Collaboration
  - Further discussion needs to take place on how fMRI can factor into DTI work and if so, when that would happen
  - The DTI TF is still in early phases of development
  - Dr. Jackson is serving as the liaison between the fMRI BC and the DTI TF

#### Round 4 Project Update

- MR-related projects (Dr. Barboriak, Jackson and Voyvodic) are on schedule to be completed by the August 31, 2015 deadline
- In effort to avoid jeopardizing Round-5 project funding, Round-4 project extensions will not be allowed

#### Round 5 Project Update

- The proposal for Round-5 funding was submitted by QIBA to NIBIB on July 14
- News is anticipated by late August/ early September
- The Steering Committee met on July 18 and reviewed project prioritization
- Two projects from the PDF-MRI BC and one from the fMRI BC appear to be within the fundable range
- Project PIs were reminded to re-examine their overall budgets in attempts to fund additional projects

#### Vendor Representation and Profile Development

- A discussion ensued regarding vendor involvement in the profile development and testing process and how to best utilize limited resources (e.g., limited vendor availability across multiple modalities)
- It is predicted that vendor efforts will shift from supporting profile development to development of conformance standards and maintaining performance of scanners

- It was stated that vendor input to the development of profiles has been valuable for both biomarker committees and vendor
- There was discussion regarding the collaboration of MR vendor representatives
- RSNA staff to provide list of MR vendors with email addresses

#### **General Announcements/Discussion**

- Dr. Jackson mentioned that a Proton Density Fat Fraction (PDFF) TF will be initiated soon. Dr. Chenevert will be transitioning into the MR Scientific Liaison position since Dr. Jackson has taken on the role of QIBA Chair (Dr Eric Perlman will be assisting as Vice-Chair)
- Dr. Schneider announced a recently-published article about his work in “Discovery Magazine,” titled: “Seeing the Brain’s Broken Cables.” It can be found at: <http://discovermagazine.com/2015/sept/16-broken-cables>.
- There was discussion regarding cancelling the next regularly scheduled call and reconvening on September 2 – information will be distributed to committee members when this is confirmed
- The next call will include a DWI TF update, contingent upon whether information is available to present

**Next PDF-MRI Biomarker Committee Call:** September 2 at 11 AM CT [Dr. Boss to moderate]