

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

Wednesday, May 25, 2016 at 11 AM (CDT)

Draft Call Summary

### Participants

*Michael Boss, PhD (Co-Chair)*

*John Kirsch, PhD (Co-Chair)*

Dafna Ben Bashat, PhD

Thomas Chenevert, PhD

Caroline Chung, MD

Vadivel Devaraju, PhD

Timothy Dondlinger

James Ewing, PhD

Jacob Fluckiger, PhD

Daniel Gembris, PhD

Alexander Guimaraes, MD, PhD

Guang Jia, PhD

Daniel Krainak, PhD

Hendrik Laue, PhD

Jiachao Liang, PhD

Chen Lin, PhD

Dariya Malyarenko, PhD

Krishna Nayak, PhD

Nancy Obuchowski, PhD

Ying Tang, PhD

Brian Taylor, PhD

Jihong Wang, PhD

Junqian (Gordon) Xu, PhD

Qing Yuan, PhD

### RSNA

Joe Koudelik

Susan Weinmann

*Moderator: Dr. Boss*

### Proposed Schedule for Updates

- Rotating TF updates on PDF BC calls have been re-established
- The goal is to maintain momentum within the TFs
- RSNA staff to note scheduled TF updates on meeting invitations and reminders
- Upcoming PDF Task Force Updates:
  - June 8 – DSC
  - June 22 – DCE
  - July 6 – DTI
- Updates may include:
  - Profile writing activities
  - Groundwork projects
  - Literature searches

### ISMRM 2016 Update (Dr. Boss)

- Drs. Sullivan and Jackson gave a QIBA presentation during the plenary session
  - The QIBA structure and efforts of its groups were presented
  - Quantitative efforts of other groups were discussed
- There were many talks on the topic of quantitative imaging
- New phantoms and manufacturers were presented
  - An ASL phantom is under development by Gold Standard Phantoms
- Those interested in participating in the Quantitative Magnetic Resonance (qMRI) Study Group may email Dr. Boss ([michael.boss@nist.gov](mailto:michael.boss@nist.gov))

### **DWI Profile Update (Dr. Boss)**

- The Profile has been converted to the revised template format
- The open/closed issues feature has been utilized in order to track progress
- The claim in section 2 was adjusted to focus exclusively on brain and breast
  - Questions regarding ADC calculation and ROI were addressed
  - Literature from which Claims were derived is cited above each Claim
- Significant updates have been made to section 3
- Section 4 to be drafted and appendices to be addressed
  - Specific vendor protocols to be indicated in Appendix X
- There is insufficient relevant literature on SMS/Multiband imaging at this time for inclusion in this version of the Profile
- Private DICOM tags to be included regarding common performance parameters
- The DWI Profile v1.0 will be out for public review in mid-to-late June 2016

### **Other Business**

- Dr. Hans Peeters is the new Philips representative, a member of the MR Vendor Task Force, and has interacted with the DCE TF group and answered their questionnaire for MRI vendors on B1 mapping

**Next PDF-MRI Biomarker Committee Call:** June 8, 2016 at 11 AM CDT (DSC TF update is scheduled)