

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

Wednesday, August 3, 2016 at 11:00 AM (CDT)

### Call Summary

#### Participants

<i>Michael Boss, PhD (Co-Chair)</i>	Edward Jackson, PhD	Christopher (Chad) Quarles, PhD	Joe Koudelik
<i>John Kirsch, PhD (Co-Chair)</i>	Daniel Krainak, PhD	Walter Schneider, PhD	Susan Weinmann
Thomas Chenevert, PhD	Hendrik Laue, PhD	Mark Shiroishi, MD	
Caroline Chung, MD	Jiachao Liang, PhD	Ying Tang, PhD	
Amita Shukla Dave, PhD	Dariya Malyarenko, PhD	Ona Wu, PhD	
Bradley Erickson, MD, PhD	Elizabeth Mirowski, PhD	Junqian (Gordon) Xu, PhD	
Qiuyun Fan, PhD	Nancy Obuchowski, PhD	Robert Young MD	
Wei Huang, PhD	Lei Qin, PhD	Gudrun Zahlmann, PhD	

#### RSNA

*Moderator: Dr. Boss*

#### DWI TF Update (Dr. Boss)

- The DWI TF call scheduled for July 28 was cancelled due to storms resulting in a power outage at RSNA headquarters
- Work on Profile continues; Section 3 has been completed
- Language to be refined and feedback incorporated after Profile is reviewed internally
- The next DWI TF scheduled for August 11 to focus on Section 4 of the DWI Profile
- The DWI TF hopes to have a draft of its Profile ready to release for public comment in early September

#### DCE, DSC & DWI Profile Cross-Comparison

- The DCE TF has requested a cross-comparison with sister MR Profiles, focusing on Section 3 details and format
- All three of these TFs are close to completing a Profile draft to distribute for public comment
- The goal is to be as consistent as possible across Profiles
- DCE & DSC TF Co-Chairs provided latest Profile drafts to Dr. Boss for cross-comparison
- All three Profiles follow the latest Profile template format with regard to sections and subsections
- Consensus was reached in regard to removing “study coordinator” from the DCE Profile since this role may not be implemented in clinical practice
- Periodic QA procedures assigned to the Technologist (Actor) instead of a Coordinator, making the Profile applicable for both clinical trials and clinical practice
- Task force members are encouraged to discuss activity sequence/process workflow; the CT Profile is a good model to study key points of the entire workflow process
- Discussion on content to include in 3.1: Pre-delivery section; involves equipment such as scanners or phantoms and what features are necessary for achieving the Profile
- In the future, people may use pre-delivery information to inform scanner purchase for the purpose of quantitation / standardization of practices required for following the Profile
- Section 3.2: Installation was well-written across the three Profiles
- Discussion on 3.3: Period QA is concerned only with *whether* activities can be completed, not *how* that is accomplished
- The three Profiles are very similar in terms of content, but language slightly differs
- DCE, DSC & DWI TF leaders to work on alignment of their Profiles in terms of nomenclature and verbiage

- At least half of the next PDF-MRI BC call scheduled for August 17 to be allocated to continuation of cross-Profile comparison

#### **Other Business**

- Upcoming PDF Task Force Updates:
  - August 17 – DSC
  - August 31 – DCE
  - September 14 – DTI
  - September 28 - DWI

**Next PDF-MRI Biomarker Committee Call:** August 17, 2016 at 11 AM CDT (DSC TF update is scheduled)