

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

Wednesday, 03-September-2014 at 11 AM CDT

DRAFT Call Summary

### Participants

<i>Marko Ivancevic, PhD (Co-Chair)</i>	James Ewing, PhD	Walter Schneider, PhD	<b>RSNA</b>
<i>Mark Rosen, MD, PhD (Co-Chair)</i>	Dena Flamini, RT	Mark Shiroishi, MD	Fiona Miller
Rajpaul Attariwala, MD, PhD	Jacob Fluckiger, PhD	Daniel Sullivan, MD	Joe Koudelik
David Bennett, PhD	Daniel Gembris, PhD	Ying Tang, PhD	Madeleine McCoy
Michael Boss, PhD	Edward Jackson, PhD	Brian Taylor, PhD	
Thomas Chenevert, PhD	Daniel Krainak, PhD	Ona Wu, PhD	
Amita Shukla Dave, PhD	Hendrik Laue, PhD	Dewen Yang, MD, PhD	
Bradley Erickson, MD, PhD	Nancy Obuchowski, PhD	Hui Jing Yu, PhD	

### Discussion

#### Phase III Project Updates

- DW-MRI ADC Phantom
  - Dr. Boss discussed physical changes to the phantom
    - Mesh has been placed above and below the vials to control the proper amount of ice to enhance image quality
    - The length of the screws was changed to reduce error intrusion
    - Larger PVP vials have been substituted
  - Dr. Sullivan to talk offline with Dr. Boss regarding the possibility of generating more phantoms
    - Dr. Boss requested that Committee Members contact him if there is an interest in field testing
  - DWI Profile Status Update
    - Profile needs to be reorganized to better match the UPICT template
    - Dr. Boss to send Dr. Obuchowski the current Profile for statistical review
    - Dr. Boss to present the Profile on the Sept 17<sup>th</sup> TC call
- Software Development for Analysis of QIBA DW-MRI Phantom Data
  - Dr. Chenevert gave a brief demonstration of the step-by-step process of collecting DWI images, and analyzing the data to determine if the scan is QIBA-compliant
  - The final update will be after September 17<sup>th</sup> which is close to the Round-3 project deadline
- Tool Development to Evaluate Software Using Artificial DCE-MRI Data and Statistical Analysis
  - Dr. Laue's software is ready for Beta-testing before broader release
  - 3+ test sites needed; anyone interested to contact RSNA staff ( [jkoudelik@rsna.org](mailto:jkoudelik@rsna.org) ), or Tech Ctte Co-chairs for details
    - Dr. Rosen agreed to act as one Beta-test site and coordinate the remaining sites

**Next t-con:** QIBA PDF-MRI Tech Ctte Update T-Con, Wednesday, September 17, 2014 at 11am (CT)