QIBA Perfusion, Diffusion and Flow – MRI Technical Committee Update Call
Wednesday, 03-September-2014 at 11 AM CDT
DRAFT Call Summary

Participants
Marko Ivancevic, PhD (Co-Chair)    James Ewing, PhD    Walter Schneider, PhD    RSNA
Mark Rosen, MD, PhD (Co-Chair)    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
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 17th 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 17th 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), 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)