

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

Wednesday, 29-May-2013 at 11 AM CDT (GMT-6)

## Call Summary

### Participants

Marko Ivancevic, PhD (Co-Chair)  
Edward F. Jackson, PhD (Co-Chair)  
Gudrun Zahlmann, PhD (Co-Chair)  
Daniel P. Barboriak, MD  
Michael Boss, PhD  
Orest B. Boyko, MD  
Thomas L. Chenevert, PhD  
Caroline Chung, MD  
Patricia E. Cole, PhD, MD  
Barbara Croft, PhD

Greg O. Cron, PhD  
Daniel Gembris, PhD  
Martha Heckel  
Gregory Karczmar, PhD  
Michael Knopp, MD, PhD  
Daniel M. Krainak, PhD  
Thanh B. Nguyen, MD  
Savannah Partridge, PhD  
David E. Purdy, PhD  
Mark Rosen, MD, PhD  
Brian J. Soher, PhD

Daniel C. Sullivan, MD  
Ying Tang, PhD  
Zhiyue Jerry Wang, PhD  
Ona Wu, PhD  
Yong Zhou, PhD  
Yuxiang Zhou, PhD

### RSNA

Joe Koudelik  
Madeleine McCoy

### General discussion:

Brief review of the QIBA Annual and Steering Committee Meetings, May 13-15 (Dr Jackson)

- Groundwork projects were discussed at the Steering Committee Meeting and a preliminary ranking was performed
  - Next steps will include prioritization of projects across all Tech Cttes for anticipated Q4 funding
- The PDF-MRI Tech Ctte breakout session focused on Profile development and included an overview of compliance
  - Compliance re: DCE-MRI Profile deemed useful in feeding the DWI Profile compliance section
  - Compliance discussions to continue on upcoming PDF-MRI Tech Ctte bi-weekly t-cons

### DWI Profile Update (Dr. Boss)

- Five anatomic regions have been selected to focus on for the protocol: Abdomen, Brain, Breast, Pelvic, Head & Neck and Whole Body
- Selection of regions of interest (ROIs) has shown dependence on organ systems
- There was no agreement on how ROI's are to be selected and further investigation is needed
- Dr. Boss requested feedback re: ROI selection details from committee members with expertise in these specific areas:
  - Dr. Partridge volunteered for Breast
  - Dr. Rosen volunteered for Liver, Prostate and Head & Neck
  - IMI feedback focused on fully manual ROI image selection procedures; new analysis software currently under development with greater automated functionality
- Dr. Boss to query vendors on how they handle image post-processing via direct email requests to contacts at Siemens, Philips and GE

### Action Items

- IMI Colleagues are meeting at the end of June; agenda items are welcome
- RSNA Staff to wiki post latest version of the DWI Profile
- Dr. Boss to circulate vendor request email wording re: image post-processing procedures which will include specific questions
  - Dr. Boss to follow-up directly with Drs. Jackson (GE), Ivancevic (Philips) and Purdy (Siemens)
- Flesh-out ROI selection procedures on next TC call
- Compliance discussion to resume on future t-cons

**Next t-con:** Wednesday, June 12<sup>th</sup> at 11AM (CDT)