

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

Wednesday, 11-July-2012 at 11 AM CDT (GMT-5)

## Draft Call Summary

### Participants

Gudrun Zahlmann, PhD (Co-chair)  
Michael Boss, PhD  
Orest Boyko, MD  
Andrew Buckler, MS  
Thomas Chenevert, PhD  
Caroline Chung, MD

Patricia E. Cole, PhD, MD  
Daniel Gembris, PhD  
Donna Hartfeil, BSN  
Thorsten Persigehl, MD  
David E. Purdy, PhD  
Mark Rosen, MD, PhD  
Rohit Sood, MD, PhD

Daniel Sullivan, MD  
Ying Tang, PhD  
Brandon Witcher, PhD

### RSNA

Joe Koudelik  
Julie Lisiecki

### General Discussion

- DWI profile status (Michael Boss, Tom Chenevert)
  - Volunteers identified for organ specific DWI literature searches
  - Additional volunteers needed for unfilled organ systems to help divide the effort
  - Test-retest data/details also deemed useful as was identifying an ideal metric for ADC
  - A means to handle statistical data might be addressed by the RSNA Metrology Workgroup efforts underway
  - Feedback concerning literature search parameters welcome; reminder that literature must support the Profile Claim language
  - Specific search parameters to be documented and wiki posted for reference
  - Dr Tang offered to assist with lung searches
  - Dr Boyko offered to assist with head and neck searches
  - Innovative Medicines Initiative (IMI) discussed
    - <http://www.imi.europa.eu/content/quic-concept>
    - Dr Sullivan and Mr Buckler to provide PDF Co-chairs guidance for reaching out to IMI
- Compliance testing (Dr Rosen)
  - Dr Rosen's multi-site test-retest trial protocol to provide multi-vendor key-parameter technical details
  - Scanner "sequence cards" needed for all vendor systems participating; key issues to be identified, while remaining as general as possible
  - Dr Rosen plans to finalize the test-retest imaging manual and forward to potential scan sites
  - Dr Persigehl offered to provide Siemens parameters for Dr Purdy to review
- Update on phantom data
  - Scanning of DCE-MRI Phantom V2 underway
  - Drs Rosen sent initial scan data to Dr Jackson for analysis
  - Initial results acquired for the VirtualScopics analysis software update; Dr Jackson to provide update on next group call

### Next steps:

- RSNA Staff to post the latest version of the Test-retest Protocol and the Imaging Manual to the QIBA Wiki
- DWI change metrics needed for the DWI Profile; Drs. Rosen and Chenevert to follow-up off-line
- Next call scheduled for Wednesday, July 25<sup>th</sup>, 2012 at 11 AM (CT)