

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

Wednesday, 17-September-2014 at 11 AM CDT

DRAFT Call Summary

Participants

<i>Marko Ivancevic, PhD (Co-Chair)</i>	James Ewing, PhD	David Purdy, PhD	RSNA
<i>Mark Rosen, MD, PhD (Co-Chair)</i>	Dena Flamini, RT	Walter Schneider, PhD	Joe Koudelik
<i>Gudrun Zahlmann, PhD (Co-Chair)</i>	Jacob Fluckiger, PhD	Mark Shiroishi, MD	Julie Lisiecki
Rajpaul Attariwala, MD, PhD	Daniel Gembris, PhD	Daniel Sullivan, MD	
Daniel Barboriak, MD	Alex Guimaraes, MD, PhD	Brian Taylor, PhD	
David Bennett, PhD	Hendrik Laue, PhD	Ona Wu, PhD	
Michael Boss, PhD	Nancy Obuchowski, PhD	Dewen Yang, MD, PhD	
Amita Shukla Dave, PhD	Thorsten Persigehl, MD	Yuxiang Zhou, PhD	
Sarah Englander, PhD			

Agenda

1. DWI Profile Status (Dr. Boss)
2. Update on Compliance Efforts- specific identification / charges of outstanding items (Dr. Guimaraes)
3. Discussion of 1-2 additional beta testers for Dr. Laue's Round 3 software product.
Currently Drs. Jackson and Rosen have agreed. (Dr. Laue)
4. Discuss any update information needed for the Annual Report
Specific charges to those who need to provide the information to the co-chairs and a specific plan for who will update the annual report documents (Co-Chairs)
5. PDF-MRI TC poster for RSNA 2014 (Co-Chairs)

Discussion

DWI Profile Status (Dr. Boss)

- Minor testing on the polycarbonate shell phantoms will be completed by next Thursday; update for next call
 - Final design with injection-molded clear shell is a practical enhancement for scanning purposes
- Assembly of 10 ADC phantoms and distribution to scan sites is anticipated to be on schedule for the end of September:
 1. University of Wisconsin (Dr. Jackson)
 2. University of Pennsylvania (Dr. Rosen)
 3. University of Michigan (Dr. Chenevert)
 4. Harvard-Massachusetts General Hospital (Dr. Wu)
 5. University of Southern California (USC) – (Dr. Boyko)
 6. University Hospital of Cologne (Germany) - (Dr. Persigehl)
 7. Royal Marsden, Inst. of Cancer Research (UK)- (Dr. Collins)
 8. Beaujon University Hospital, Paris (France) - (Dr. Garteiser)
 9. University of Manchester (UK) - (Dr. Morris)
 10. NIST (Dr. Boss)
- Other interested participants included: Drs. Dave, Attariwala, Guimaraes, Bennett, and Zhao
 - Dr. Boss to follow up off-line
- A draft protocol for testing across sites is under preparation; questions may be directed to Dr. Boss: michael.boss@nist.gov
- Dr Boss to identify specific performance criteria for discussion on the next call.

Compliance Document (Dr. Guimaraes)

- A clean copy, sans appendices, has been distributed for group review
 - Dr. Guimaraes to follow up offline with Dr. Fluckiger (GE representative)
 - Drs. Guimaraes and Rosen to collaborate on a protocol for handling the phantom
 - Dr. Barboriak agreed to review DRO references
- Dr. Guimaraes is working on a compliance checklist tool for 'actors'
 - He may consult with Drs. Ewing and Persigehl for assistance with the compliance checklist
 - He can still be reached via the MGH e-mail; a new e-mail will be provided soon

Development of an automatic input image quality assessment for DCE---MRI data (Dr. Laue)

- Volunteer sites for beta testing software include:
 - University of Wisconsin (Dr. Jackson)
 - University of Pennsylvania (Dr. Rosen)
 - Duke University (Dr. Barboriak)
- Dr. Laue will upload a community user guide to Dropbox
- Comments from testers to be sent to Dr. Laue: Hendrik.Laue@mevis.fraunhofer.de

Annual Report (Co-Chairs)

- Tech Committee Co-Chairs agreed to follow up on the Annual Report off-line.

PDF-MRI Tech Ctte Poster for RSNA 2014 (Co-Chairs)

- The group is considering two posters; RSNA staff to confirm with co-chairs whether or not space is available
 - Dr. Ivancevic recommended that poster developers review the 2013 posters, available on the [wiki](#)
 - Various suggestions for organizing content were discussed: overall, hybrid, themes, etc.
 - Dr. Schneider also suggested a handout for each content area with links to additional information
 - Volunteers will be needed, and poster writing groups will be formed based on topical content
 - Posters are due to RSNA (for printing) by October 31st.
 - If a DWI posters is desired, Dr. Boss volunteered to cover the costs for the additional poster

Next t-con: QIBA PDF-MRI Tech Ctte Update T-Con, Wednesday, October 1, 2014 at 11am (CT)