

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

Wednesday, 19-September-2012 at 11 AM CDT (GMT-5)

DRAFT Call Summary

Participants

Edward F. Jackson, PhD (Co-chair)
Gudrun Zahlmann, PhD (Co-chair)
Daniel P. Barboriak, MD
Michael Boss, PhD
Orest B. Boyko, MD
Martin Buechert, PhD
Thomas L. Chenevert, PhD
Caroline Chung, MD
Patricia E. Cole, PhD, MD

Barbara Croft, PhD
James R. Ewing, PhD
Daniel Gembris, PhD
Maryellen L. Giger, PhD
Alexander Guimaraes, MD, PhD
Jayashree Kalpathy-Cramer, PhD
Hendrik Laue, PhD
Chen Lin, PhD
Estanislao Oubel, PhD
Savannah Partridge, PhD

Mark Rosen, MD, PhD
Daniel C. Sullivan, MD
Ying Tang, PhD
Ona Wu, PhD

RSNA

Joe Koudelik
Madeleine McCoy

General Discussion

- Update on DRO Synthetic Data Project (Dr. Barboriak)
 - The Round-1 software evaluation report was described in more detail for newcomers to the PDF-MRI Tech Ctte.
 - More detailed definitions concerning the DRO being tested needed, i.e., what the software packages were actually analyzing.
 - Additional data from Dr. Jackson to be incorporated and a final draft will be submitted to the committee for review and feedback.
 - Study participants will be contacted to confirm their software anonymity and whether they would agree to having their company name made public, i.e., included within a manuscript
- QIBA Technical Committee Poster for the 2012 RSNA Annual Meeting
 - The 2012 poster will be divided into 3 columns and each NIBIB Funded Project will be summarized.
 - Dr. Barboriak will provide a summary from the DRO report and will include illustrations.
 - Dr. Jackson will provide DCE-MRI phantom and phantom data analysis summary
 - Dr. Rosen will work with ACRIN to confirm logo use for the Test/Retest Project and will include analysis, images and a project outline.
 - The draft poster will be ready for review on the October 3rd t-con.
 - Dr. Guimaraes to modify and send a 3 column format of the 2011 poster to the project leaders as a template.
 - The deadline for submitting the poster to RSNA HQ is November 1st.
- DCE-MRI v2.0 Profile Compliance Work Group
 - To date, 13 volunteers are listed to participate in the work group to discuss Profile compliance. The inaugural t-con will be Tuesday, September 25th at 9am (CT).
- QIBA Metrology Workgroup Discussion
 - Several members of the PDF-MRI Technical Committee are also participating in the QIBA Metrology Workshop scheduled for October in Washington, DC.

- As a participant in the Terminology Workgroup, Dr. Guimaraes is currently working on the definitions of “agreement” and “reliability.” Feedback to Dr. Guimaraes was encouraged.
 - Dr. Sullivan provided a brief overview of the QIBA Metrology Workshop and the need for each Technical Committee to provide specific study design challenge/issue for Workshop discussion. These topics will be an agenda item for the October 3rd PDF-MRI Tech Ctte t-con.
- Update on DWI Profile Effort (Dr. Boss)
 - Dr. Boss continues to update the literature review spreadsheet.
 - The goal is to complete the listing by next week.
 - The complete update will be given on the October 3rd t-con.
 - Assignments now include one person per organ and Dr. Boss will cover gaps if needed.
 - Dr. Guimaraes to share information with Dr. Boss including:
 - Changes to the profile format from the decisions made during the Profile Editors t-cons and the Metrology Workshop.
 - There was a suggestion to devote half of an upcoming t-con to finalize ideas of inclusions and field strength conclusions.

Next steps:

- Next call scheduled for Wednesday, October 3, 2012, at 11 AM (CT)
 - Agenda topics to include, the QIBA Metrology study design challenge/issue and the DWI Profile Update.
- Dr. Guimaraes to send the 2011 Poster to the NIBIB project leaders.
- The compliance work group t-con will be 9/25/12 at 9am (CT).
- RSNA Staff to coordinate a t-con between PDF-MRI Tech Ctte Members and Metrology Participants.