

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

Wednesday, 23-January-2013 at 11 AM CST (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
Andrew J. Buckler, MS
Ryan Chamberlain, PhD

Thomas L. Chenevert, PhD
Patricia E. Cole, PhD, MD
Barbara Croft, PhD
Greg O. Cron, PhD, MsC
Dena Flamini, RT
Daniel Gembris, PhD
Alexander Guimaraes, MD, PhD
Thanh B. Nguyen, MD
David E. Purdy, PhD

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

RSNA

Joe Koudelik
Madeleine McCoy

General Discussion

Follow up review and discussion of the Duke T1 mapping DRO report (Dr. Barboriak)

- Recommendations for presenting report data to software vendors participants was discussed. The utility of study participant un/blinding will be made once feedback from the study participants has been received.
- Identifying participants or technical aspects of software used may add value to the analysis performance phase.
- Mr. Buckler cautioned to keep participants anonymous in efforts to decrease any potential barriers among industrial partners for such QIBA efforts in the future.
- It was suggested to have a list of participating software companies that have passed (attained Profile compliance) posted eventually to the QIBA WIKI
- Compliance, as the “endgame”, will be discussed at the QIBA Steering Committee meeting in further detail on Thursday, 1/31/13. QIBA needs to establish an approach and control such policies.
- The final decision re: distribution and posting names on WIKI will need to be confirmed.

Phase II test-retest clinical trial update - ACRIN 6701 (Dr. Rosen)

- The goal is to have 30 patients across 6 centers each utilizing at least 3 major MRI vendors involved.
- The protocol is not designed to identify differences between vendors, but to test system repeatability.
- Two DCE-MRI phantoms are at MD Anderson and are ready for shipping
- One DCE-MRI phantom to be shipped to Dr. Persigehl in Cologne, Germany
- Dr. Boss to assist with shipping procedure
- Dena Flamini to be main contact for shipping to/from ACRIN
- The next ACRIN t-con will include logistics of the Phantom shipping; Dr. Rosen encouraged interested committee members to join the ACRIN t-cons.

DWI profile and the collaboration efforts with QIBA PDF – IMI QuiC-ConCePT (Dr. Boss)

- The latest version of the DWI Profile claim was distributed for feedback
- Dr. Boss requests text contributions regarding the statement on bias and linearity to be sent directly to him.
- The claim work is in progress and Mr. Buckler suggests using the Metrology Claim Template as a reference.

Next Steps:

- RSNA Staff to post the DWI outline to the QIBA WIKI
- Next t-con: Wednesday, February 6, 2013 at 11 am (CST)