

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

Wednesday, 01-May-2013 at 11 AM CDT (GMT-6)

Call Summary

Participants

Marko Ivancevic, PhD (Co-Chair)
Edward F. Jackson, PhD (Co-Chair)
Michael Boss, PhD
Thomas L. Chenevert, PhD
Patricia E. Cole, PhD, MD
Barbara Croft, PhD
Greg O. Cron, PhD
James R. Ewing, PhD
Alexander Guimaraes, MD, PhD

Martha Heckel
Hendrik Laue, PhD
Jiachao Liang, PhD
Chen Lin, PhD
Savannah Partridge, PhD
Thorsten Persigehl, MD
David E. Purdy, PhD
Brian J. Soher, PhD
Edward Somer, PhD
Daniel C. Sullivan, MD

Ying Tang, PhD
Zhiyue Jerry Wang, PhD
Ona Wu, PhD
Yuxiang Zhou, PhD

RSNA

Fiona Miller
Joe Koudelik
Madeleine McCoy

General discussion:

Future Tech Ctte projects (Dr Jackson)

- Four proposed projects were discussed and will be submitted for Steering Committee review
 1. Development of a tool to evaluate software using synthetic DCE-MRI data (DRO) and statistical analysis
 2. DCE-MRI phantom study to evaluate the impact of parallel imaging and B1 inhomogeneities at different MR field strengths and for at least three vendors
 3. Development and initial testing of the DW-MRI ADC Phantom
 4. Software development for analysis of QIBA DW-MRI ADC Phantom data
- Additional details regarding project budgets are needed, but the total current estimate is approximately \$150k
- Once QIBA/RSNA budget details are better understood, project scopes will be more fully defined
- Dr. Jackson will follow up with all project PI's for updated budget estimates

QIBA/IMI QuIC-ConCePT in-person meeting at ISMRM (Dr Boss)

- Better understating regarding current QuIC-ConCePT clinical trials and phantom use was obtained
- The draft QIBA profile liver acquisition protocol was compared with the QuIC-ConCePT liver protocol and this is clearly an area of collaboration
- Comparisons were also made between the QuIC-ConCePT and QIBA ADC phantom designs
 - Completion of QIBA ADC phantom expected in 6-8 weeks

PDF-MRI Profile

- Greater industry perspective is needed regarding real-world Profile functionality and vendor-specific imaging protocol parameters (i.e., screen-shot capture details)
- Possible challenges to QIBA Profile use requires greater discussion; suggested as an agenda item for the May 14th PDF-MRI Tech Ctte breakout session

Next t-con: Wednesday, May 29th at 11AM (CDT)