

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

Wednesday, 20-March-2013 at 11 AM CDT (GMT-6)

Call Summary

Participants

Marko Ivancevic, PhD (Co-chair)
Gudrun Zahlmann, PhD (Co-chair)
Michael Boss, PhD
Martin Buechert, PhD
Thomas L. Chenevert, PhD
Caroline Chung, MD
Greg O. Cron, PhD
James R. Ewing, PhD

Daniel Gembris, PhD
Alexander Guimaraes, MD, PhD
Jayashree Kalpathy-Cramer, PhD
Gregory Karczmar, PhD
Jiachao Liang, PhD
Estanislao Oubel, PhD
David E. Purdy, PhD
Mark Rosen, MD, PhD
Daniel C. Sullivan, MD

Ying Tang, PhD
Ona Wu, PhD
Yong Zhou, PhD

RSNA

Fiona Miller
Joe Koudelik
Madeleine McCoy

DWI Profile Update (Dr Boss)

- Liver literature review will be used to guide liver protocol section of Profile; tentatively planned to encompass both 1.5T and 3T systems despite lack of good literature
- Suggestion made to focus Profile on 1.5T and 3T systems across multiple organ systems (ie, a generalizable abdominal Profile format)
- Collaborations with IMI expected to produce lung protocol and repeatability/reproducibility data useful for general Profile
- Potential to build off Profile into sections based on (1) abdomen, (2) pelvic, (3) whole body and (4) breast; with associated organ system protocols

QIBA Profile Compliance

- How best to integrate Dr Rosen's ACRIN test/retest trial results into QIBA Compliance discussed
- Differences between compliance and site qualification raised
- Need to develop and implement a set of objective measures to assess Profile Compliance

Next Steps:

- Dr Boss to begin drafting imaging protocol section of Profile, emulating the DCE-MRI Profile style
- Drs. Bachir, Guimaraes and Rosen to collaborate and lead the effort on drafting the liver section of the Profile; a liver protocol is the first step, expected to be completed by April 30, 2013
- QIBA IMI T-Con to be held on March 22nd at 1pm (CT) to further discuss the timeline and F2F meeting at ISMRM for the DWI collaboration with IMI.
- Next t-con: Wednesday, April 3, 2013 at 11 AM (CT)