

QIBA PDF–MRI (DWI) and IMI QuIC-ConCePT Next Steps T-con

Tuesday, 03-September-2013 at 1 PM CDT

Call Summary

Participants

Gudrun Zahlmann, PhD (Co-moderator)
John Waterton, PhD (Co-moderator)
Michael Boss, PhD
Thomas L. Chenevert, PhD
Patricia Cole, MD, PhD
Marko Ivancevic, PhD
Edward Jackson, PhD

Alan Jackson, MD, PhD
Yan Liu, PhD
Ralph Sinkus, PhD

RSNA

Joe Koudelik
Madeleine McCoy

General Discussion

Phantom Collaboration Overview

- Dr Boss provided an update regarding the QIBA ADC phantom being 3-D printed at NIST
- Next steps in PVP development reviewed
- Ni-, Mn-, NaCl- doped PVP effects on ADC instability presented
- Various ADC measurement techniques (including ROI) discussed
- Dr Boss will reprint and water test the phantom by mid-September, then ship to Dr Alan Jackson (University of Manchester) for initial site testing; feedback from Dr Jackson will be critical for designing future phantom modifications
- Shipping order proposed:
 1. University of Manchester...contact: Alan Jackson, MD, PhD
 2. Institute of Cancer Research & Royal Marsden NHS Trust (ICR)...contact: Nandita DeSouza, MD
 3. Hopital Beaujon (Paris)....contact: Ralph Sinkus, PhD

ISMRM Abstract

- Dr Zahlmann suggested submitting an abstract for the May 2014 ISMRM meeting
 - Abstract deadline is November 13, 2013
- Time needed to acquire sufficient 1.5 T phantom data on Siemens, Philips and GE platforms

Next steps:

- Dr Boss to focus on Mn over Ni for PVP doping to avoid hazardous shipping conditions and extra site regulatory issues/paperwork
- Dr Boss and Waterton to discuss T_1 and T_2 range values offline
- Drs Waterton and Alan Jackson to follow up with their respective site quality managers regarding possible legislative issues in receiving/handling the ADC phantom
- Dr Alan Jackson to forward Univ of Manchester shipping details to Dr Boss
- Dr Liu to look into potential shipping and handling risks and regulations in Europe
- Group to rely on email for future updates; next group call confirmed for October 22, at 1 PM CT