

QIBA DCE-MRI Technical Committee Update Call

Wednesday, March 07, 2012

Call Summary

In attendance

Guhrun Zahlmann, PhD (Co-chair)
Sandeep Gupta, PhD (Co-chair)
Marcelino Bernardo, PhD
Michael Boss, PhD
Orest B. Boyko, MD
Martin Buechert, PhD
Paul L. Carson, PhD
Barbara Croft, MD

Daniel Gembris, PhD
Alexander Guimaraes, MD, PhD
Gregory Karczmar, PhD
Hendrik Laue, PhD
Jiachao Liang, PhD
Chen Lin, PhD
Estanislao Oubel, PhD
Thorsten Persigehl, MD
David E. Purdy, PhD

Mark Rosen, MD, PhD
Edward Somer, PhD
Ying Tang, PhD
Hui Jing, MD
Ona Wu, PhD

RSNA

Joe Koudelik

DCE-MRI Test-retest Project Update (Dr Rosen)

- Favorable CTEP response received for the revised protocol; Dr Rosen crafting final protocol details and imaging manual
- Drs Rosen, Jackson and Ashton to follow-up offline regarding DCE-MRI Phantom (v2) details
- Drs Laue, Persigehl and Jackson to follow-up concerning the re-measuring of DCE-MRI Phantom effects
- Sites interested to scan the DCE-MRI Phantom (v2) for qualification; anyone interested should contact Dr Rosen for details
 - Small group proposed to develop this site list; Drs Rosen, Boyko, Karczmar and Bernardo to identify additional members for a brainstorming t-con
 - Study needs additional Philips sites; Dr Karczmar may have additional contacts at NorthShore University Health System (Chicago)
 - ACRIN could reach for clinical test/re-test beyond North America if needed; Dr Persigehl interested in participating from Germany

DWI Groundwork Proposal Overview (Dr Boss)

- Preliminary data is being collected on possible phantom prototypes
- NIST to soon acquire an MR scanner
- Proposals for new projects needed by mid-March
- Draft DWI outline needed by next TC call (Mar 21)
- Dr Boss discussed his one-page QIBA DW-MRI Profile Outline
 - Dr Boss will act as DCI Profile Editor
 - Dr Guimaraes offered to assist with Profile development
- Drs Boss and Chenevert to discuss ice-water phantom advantages vs. a new (more complicated) phantom, and update the Tech Cttee on existing technologies
 - 1-2 half-page proposals to be drafted describing direction and resources needed
- Priority of new DWI activities discussed
 - 1-Phantom activities
 - 2-Profile development

New Technical Committee names for consideration:

- Oncologic MRI
- DCE-DWI
- Perfusion-Diffusion-Flow MR
- Quantitative MRI

Further discussion scheduled for the next update call

Next Steps

- Continued discussion of gap analysis / proposed projects for next NIBIB funding proposal – 1-2 project proposals that are fundable are needed in two weeks (based on DCE and DWI projects)
- Next two t-cons should focus on Profile Claim language, based on the field-strength of the supporting literature
 - Outline to include 3T
 - Profile Claims may be extracted from project proposals
- Next call scheduled for Wednesday, March 28, 2012 at 1 pm CT