

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

Wednesday, 02-April-2014 at 11 AM CDT

Call Summary

Participants

Marko Ivancevic, PhD (Co-Chair)

Gudrun Zahlmann, PhD (Co-Chair)

Orest Boyko, MD

Thomas Chenevert, PhD

Amita Dave, PhD

Benjamin Ellingson, PhD

James Ewing, PhD

Dena Flamini, RT

Daniel Gembris, PhD

Jim Gimpel, RT

Edward Jackson, PhD

John Kirsch, PhD

Daniel Krainak, PhD

Hendrik Laue, PhD

Thorsten Persigehl, MD

David Purdy, PhD

Mark Shiroishi, MD

Ying Tang, PhD

Brian Taylor, PhD

Dewen Yang, MD, PhD

Xiangzhi Zhou, PhD

RSNA

Joe Koudelik

Madeleine McCoy

Proposed Agenda:

- EORTC QuIC-ConCePT Update (Dr. Zahlmann)
- NIBIB Contract (Dr. Zahlmann)
Project Proposal Update for 4th Funding Round
- GE Protocol (Dr. Dave)
- DWI Profile Status (Dr. Boss)
- [MITA MR Section Co-Organizes Standards Workshop with NIST- July 14-15 at NIST in Boulder* \(Dr. Boss\)](#)
- DCE-MR Profile Compliance Update (Dr. Guimaraes)
Deferred to 4/16/14 T-Con—please send comments to [Dr. Guimaraes](#)

NIBIB Contract: Project Proposal Update for 4th Funding Round (Dr. Zahlmann)

- High-level Round-4 project proposal concepts are due to RSNA by April 7, 2014 for Steering Ctte review on April 17, and, if selected, eventual NIBIB submission in July
- Potential projects were reviewed:
 - A DCE-MRI phantom analysis package extension (Dr. Jackson)
 - Primary goal is to integrate MATLAB code with the analysis code to produce a complete phantom analysis package
 - The budget will cover partial support for a fellow for a one year period
 - Proposal was approved by the group with no changes
 - Development of an automatic input image quality assessment for DCE and DWI---MRI data (Dr. Laue)
 - Primary goal is to utilize software to determine motion artifacts
 - The benefits of the project include:
 - Online tool to check image quality on site by technician/operator
 - Allows to correct errors early
 - Emphasize the need for standardization
 - Quality assurance for study data
 - A narrower project focus is needed.
 - Suggestion to concentrate on motion-specific DCE-MRI data
 - Dr. Laue to edit and resubmit for group approval
 - A single metric topic relating to the Metrology Project (Dr. Barboriak)
 - Approved as discussed on the previous t-con.
 - RSNA Staff will send the proposal template to the three project PIs

GE Protocol (Dr. Dave)

- Dr. Dave discussed the GE Protocol used at MSKCC for DWI-MRI with the Ice Water Phantom
- Dr. Dave will update and forward GE scanner details to Drs. Chenevert and Jackson for feedback.

Next t-con: Wednesday, April 16th at 11AM (CDT)**Agenda Items:**

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- DCE-MR Profile Compliance Update--Please send comments to Dr. Guimaraes