QIBA Perfusion, Diffusion and Flow – MRI Technical Committee Update Call
Wednesday, 02-April-2014 at 11 AM CDT

Call Summary

Participants

| Name                           | Affiliation                      | Name                           | Affiliation                      |
|------|---------------------------------|------|---------------------------------|------|
| Marko Ivancevic, PhD (Co-Chair)|                                | Gudrun Zahlmann, PhD (Co-Chair) |                                |
| Orest Boyko, MD                 |                                |Edward Jackson, PhD             |                                |
| Thomas Chenevert, PhD           |                                |Daniel Krainak, PhD             |                                |
| Amita Dave, PhD                 |                                |Hendrik Laue, PhD               |                                |
| Benjamin Ellingson, PhD         |                                |Thorsten Persieghl, MD          |                                |
| James Ewing, PhD                |                                |David Purdy, PhD                |                                |
| Dena Flamini, RT                |                                |Mark Shiroishi, MD              |                                |
| Daniel Gembris, PhD             |                                |Ying Tang, PhD                  |                                |
| Jim Gimpel, RT                  |                                |Brian Taylor, PhD               |                                |
| Edward Jackson, PhD             |                                |Dewen Yang, MD, PhD             |                                |
| Hendrik Laue, PhD               |                                |Xiangzhi Zhou, PhD              |                                |
| Thorsten Persieghl, MD          |                                |Joe Koudelik                    |                                |
| Daniel Krainak, PhD             |                                |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. Barbioriak)
    - 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:
- EORTC QuIC-ConCePT Update (Dr. Zahlmann)
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- DCE-MR Profile Compliance Update--Please send comments to Dr. Guimaraes