

QIBA DCE-MRI Technical Committee Update

Wednesday, April 27, 2011 at 11 AM CDT

Call Summary

In attendance

Gudrun Zahlmann, PhD (Co-Chair)
Edward Jackson, PhD (Co-Chair)
Sandeep Gupta, PhD (Co-Chair)
Edward Ashton, PhD
Daniel Barboriak, MD
Michael Boss, PhD
Andrew Buckler, MS
Daniel Gembris, PhD
Alexander Guimaraes, MD, PhD
Hui Jing Yu
Gregory Kaczmar, PhD

Hendrik Laue, PhD
Jiacho Liang, PhD
Chen Lin, PhD
Thorsten Persigehl, MD
David Purdy, PhD
Mark Rosen, MD, PhD
Annette Schmid, PhD
John Waterton, PhD

RSNA

Joe Koudelik

Profile Overview

- Dr Guimaraes provided an overview of current DCE-MRI Profile development
- Contrast agents, charge, protein-binding, and signal-to-noise issues discussed
- General vs. specific body region Profile scope discussed
- Profile Claims/ details to be only as specific as supporting literature allows
- Specific appendix detail needed from imaging vendors to provide guidance

Round-1 Project Updates

- Dr Ashton mentioned that the basic algorithm/ application package is in place; next step is follow-up with Dr Jackson on phase two of their collaborative study; iterative process expected with phantom analysis feeding further algorithm modification
- Dr Jackson discussed the fabrication efforts beginning at Phantom Labs; next steps will be phantom image acquisition and analysis with Dr Ashton's algorithm/ application
- Phantom image acquisition sites still to be identified

Preparation for Round-2 Funding Proposals

- Dr Rosen's test-retest clinical trial study proposal discussed
- Project completion expected in two years with ACRIN co-support
- Dr Rosen to assess how best divide the required project budget between QIBA and ACRIN
- NIBIB (QIBA) funding will end on September 30, 2012 when the contract is completed

Profile Development

- Dr Jackson presented and updated table of literature references in support of current Profile Claims; feedback welcome

Next steps:

- Vendor detail needed for appendix; Dr Purdy to follow-up for Siemens, Dr Ivancevic for Philips and Dr Gupta for GE
- Dr Guimaraes to follow-up with Drs Ashton and Rosen concerning specific Profile section content needing clarification
- Dr Guimaraes to WIKI post the latest version of the Profile; all feedback welcome to Dr Guimaraes at: alex@nmr.mgh.harvard.edu
- Dr Rosen to follow-up with additional technical and budget details for Round-2 test-retest proposal
- Next call scheduled for Wednesday, June 8, 2011 at 11 am CDT