QIBA DCE-MRI Technical Committee Update
Wednesday, March 30, 2011 at 11 AM CDT

Call Summary

In attendance
Gudrun Zahlmann, PhD
Edward Jackson, PhD
Michael Boss, PhD
Andrew Buckler, MS
Daniel Gembris, PhD
Alexander Guimaraes, MD, PhD
Gregory Kaczmar, PhD

Hendrik Laue, PhD
Thorsten Persigehl, MD
David Purdy, PhD
Daniel Sullivan, MD

RSNA
Fiona Miller
Joe Koudelik

DCE-MRI Profile Update
- Profile has been converted to the IHE-like engineering template
- Evolving Profile template incorporates performance tables that specify criteria deemed necessary to attain the QIBA quantitative imaging goals
- Concern expressed over level of performance details that may not have supportive data or may not apply

Round-1 QIBA Project Funding Update
- RSNA/QIBA proposal funding details received by MD Anderson; in review stage
- Phantom order to be placed soon with Phantom Labs
- 5-10 minute updates from all three funded DCE-MRI projects suggested monthly during Tech Ctte calls
- Formal 3-month interim status reports due RSNA and incorporation with the project plan (Gantt Chart) proposed
- Consensus that project updates should be available on Wiki

Round-2 QIBA Project Funding Update
- Dr Rosen's test-retest proposal to be discussed in two weeks
- Additional gap analysis details required for Round-2 funding; discussions ongoing
- Four topics identified as potential gaps
    - Quantitative accuracy of image analysis methods proposed in current Profiles
    - Standardizing protocols and analysis of T1 mapping and B1 inhomogeneity correction
    - Clinical test-retest for overall variability assessment and quality of image analysis methods
    - Building repository of clinical benchmark data
- RSNA staff to circulate list of proposes gaps to all committee members for feedback

Next steps:
- Dr Guimaraes requests Profile feedback from all members
- Dr Guimaraes to follow up with Dr Rosen for specific section content details
- Drs Zahlmann, Guimaraes and Jackson to follow up within 1 week to discuss Profile development
- Dr Zahlmann to follow up with project PIs (Drs Jackson, Ashton and Barboriak) for status update
- Round 1 project updates expected on next Tech Ctte update call on 4/13
- RSNA staff to circulate proposed list of identified gaps for Round-2 funding to TC members for feedback and re-evaluation; identification of PIs to pursue "gap projects" needed
- T-con with Dr Sullivan, Mr Buckler and all Tech Ctte co-chairs proposed to review developed technology gap list
- Next call scheduled for Wednesday, April 13, 2011 at 11 AM CDT