

QIBA DCE-MRI Technical Committee T-Con
December 08, 2010 at 10 AM CST

Call Summary

In attendance

Gudrun Zahlmann, PhD (Co-chair)
Edward F. Jackson, PhD (Co-chair)
Edward Ashton, PhD
Daniel Barboriak, MD
Michael Boss
Andrew J. Buckler, MS
Michael Buonocore, MD, PhD
Alex Guimaraes, MD, PhD

David E. Purdy, PhD
Annette Schmidt, PhD
Daniel Sullivan, MD

RSNA Staff

Fiona Miller
Joe Koudelik

Profile Discussion

- Phantom and quality control (QC) issues cleaned; no issues or gaps remain; major holes in text have been filled
- Dr Jackson provided a detailed update for the phantom section
- Comparisons of T1 to percent of known values still need work
- Site qualification details to be located in Profile appendix
 - Scans to be performed, how analyzed and expected outcomes to be provided
- Imaging procedure to be general for all applications, e.g., liver, neuro, lung, etc
- Bulls-eye approach to performance needs more work; note that different organ systems may require different solutions and techniques
- Suggestion made to remove or reposition "Ratio Map Protocol Correction" section to Profile subsection
- Image Interpretation (Section 9) needs text concerning ROI definition, 3D slab issues, pixel x pixel vs entire ROI; Drs Barboriak and Guimaraes to provide initial content followed by review by Dr Ashton
- Need agreement on best tumor ROI segmentation technique
- Support data for all Claim language needs to be clarified
- Dr Rosen to draft a generic Quality Control (QC) section

Project Proposals

- Review of "team-oriented" project proposals that support Profile development
 - DRO Project (Dr Barboriak)
 - Phantom Project (Dr Jackson)
 - Prep for Clinical Test Re-test Applications Project (Dr Rosen)
 - Phantom and Algorithm Assessment Project (Dr Knopp)
 - Diffusion Phantom Project (Dr Boss)
- Need to prioritize proposals for Year 1 funding support
- Consolidated software package (algorithms) specifically for DCE-MRI phantom image analysis needed to feed the Profile; Dr Ashton's input welcome
- QIBA Funding Proposal Timeline
 - Dec 13: All funding proposals are due to Tech Ctte co-chairs for review
 - Dec 16: Tech Ctte co-chairs to present selected proposals to Q-MR Modality Ctte for consideration
 - Dec 21: Q-MR Modality Ctte to present final proposals selected to QIBA Steering Committee for consideration
 - Early January 2011 Steering Committee to follow-up with proposal submitters for additional details if needed
 - Target date for Steering Ctte to make final decisions concerning proposals is Jan 28, 2011

Next Steps:

- Next ad hoc call scheduled for: Dec 15, 2011 at 10 am CST