

QIBA DCE-MRI Technical Committee Update

Wednesday, August 31, 2011 at 11 AM CDT

Call Summary

In attendance

Edward Jackson, PhD (Co-Chair)
Daniel Barboriak, MD
Michael Boss, PhD
Paul L. Carson, PhD
Daniel Gembris, PhD
Alexander Guimaraes, MD, PhD
Marko Ivancevic, PhD
Jiachao Liang, PhD
David E. Purdy, PhD
Mark Rosen, MD, PhD
Michael Steckner

Gerald Wolf, PhD, MD
Hui Jing Yu

RSNA

Joe Koudelik
Madeleine McCoy

Public Comment Phase Feedback Reviewed for Profile v1.0

The committee discussed each of the issues raised by the reviewers (distributed in advance of the t-con):

- Temporal resolution, determination of t_0 for IAUGC_{BN}, nuances of T1 measurements were discussed
- Criteria to qualify/disqualify imaging sites and data discussed; Dr Guimaraes to follow up with Dr Ashton for further details
- The types of contrast agents addressed by the Profile (conventional vs. transiently bound, etc.)
- R1 and T1: nomenclature to be kept consistent in the Profile (and will be R1)
- Vendor-specific user variables in Appendix D need to adhere to a uniform style and should address both DCE-MRI and T1 mapping for each vendor

Next steps:

- Dr Gupta to follow-up with reviewers JR/JL to address points made about the “simplified model” and resulting bias
- Dr Guimaraes to summarize discussion points/comments and continue with the next steps:
 - Send out the revised Profile (v1.0) for approval by end of September
 - Begin the field test
 - Revise the profile
- Drs. Guimaraes, Jackson, and Gupta, with input from each vendor, to work on standardization of Appendix D information
- Dr Jackson recommended that Mr Buckler present to the committee, on an upcoming call, the proposal for a parallel development of a Protocol separate from the Profile
- Dr Guimaraes to follow up with Dr Ashton concerning criteria for dis/qualifying sites and data
- Next call scheduled for Wednesday, September 14, 2011 at 11 am CDT