

QIBA Perfusion, Diffusion and Flow – MRI Technical Committee Update Call

Wednesday, 30-May-2012 at 11 AM CDT (GMT-5)

Call Summary

Participants

Gudrun Zahlmann, PhD (Co-chair)
Marko Ivancevic, PhD (Co-chair)
Daniel Barboriak, MD
Michael Boss, PhD
Andrew Buckler, MS
Paul L. Carson, PhD
Thomas L. Chenevert, PhD
Barbara Croft, MD
Daniel Gembris, PhD
Alexander Guimaraes, MD, PhD
Rajan Jain, MD
Gregory Karczmar, PhD
Hendrik Laue, PhD
Estanislao Oubel, PhD

Thorsten Persigehl, MD
David E. Purdy, PhD
Mark Rosen, MD, PhD
Annette Schmid, PhD
Daniel C. Sullivan, MD
Brandon Witcher, PhD
Gerald L. Wolf, PhD, MD
Hui Jing Yu
Xiangzhi Zhou, PhD

RSNA

Joe Koudelik
Madeleine McCoy

Gantt chart for the PDF-MRI Technical Committee

- As a follow-up to the QIBA Annual Meeting breakout discussions, Dr. Zahlmann developed a Gantt chart to outline Tech Cttee projects and deliverables over the next three years.
- Clinical implementation of Dr Rosen's trial-retrial project discussed
- DWI Profile deemed priority over 3T DCE-MRI Profile
- DWI Profile outline expected by beginning of September 2012; Team input and further discussion at next F2F (during RSNA Annual meeting 2012)
- Proposed was 8 weeks for Public Comment and 3 weeks for comment resolution phases
- **Decision:** With changes regarding Public Comment and Comment Resolution phase, chart was accepted as input to QIBA Steering Committee 3-year planning

DWI Profile

- Dr. Boss discussed the Profile Claim language and updated writing assignments as previously discussed at the QIBA Annual Meeting.
- Dr. Boss to reach out to Drs. Bashir Taouli and Ona Wu to participate in the DWI Profile development
- How to best express Claim in terms of confidence intervals discussed
- Minimal DWI Profile content expected to overlap with DCE-MRI
- More organ-specific content expected based on: brain, liver, breast, prostate, head & neck, bowel disease
- Organ specific subsections discussed for image acquisition details
- Second Claim based on DWI intensity discussed

Synthetic DCE-MRI Image Data/Project Update (Dr Barboriak)

- T1 mapping underway; latest v8.0 Tofts model on the Duke website; temporal jitter and flip angle discussed

Next steps:

- Dr. Zahlmann to update Gantt chart and communicate with Steering Committee
- Dr. Barboriak to continue his synthetic data update on next update call
- Drs. Chenevert and Boss provide next version of DWI profile and contact all contributors for input aiming to have a first outline by September 2012
- Next call scheduled for Wednesday, June 13th, 2012 at 11 AM CT