

QIBA Perfusion, Diffusion and Flow – MRI Biomarker Committee (BC) Update Call

Wednesday, June 22, 2016 at 11:00 AM (CDT)

Call Summary

Participants

Michael Boss, PhD (Co-Chair)
Dafna Ben Bashat, PhD
Mark Brown, PhD
Thomas Chenevert, PhD
Caroline Chung, MD
Bradley Erickson, MD, PhD
James Ewing, PhD
Daniel Gembris, PhD

Jim Gimpel RT (R)(MR)
Edward Jackson, PhD
Jens Kaften, PhD
Daniel Krainak, PhD
Hendrik Laue, PhD
Jiachao Liang, PhD
Dariya Malyarenko, PhD

Elizabeth Mirowski, PhD
Thanh Nguyen, MD
Lei Qin, PhD
Ying Tang, PhD
Ona Wu, PhD
Yuxiang Zhou, PhD

RSNA

Joe Koudelik
Susan Weinmann

Moderator: Dr. Boss

DCE TF Update (Drs. Chung and Laue)

- Using *Google docs* for this Profile provides many advantages, including:
 - Tracking edits; indicating when they were made and by whom
 - Comments can be added
 - Automatic saving
 - No need to email Profile back and forth or wait for someone to email you their updated copy
 - No confusion in regard to having the latest version of the Profile

- An update was given in regard to progress on the DCE Profile and literature review
 - The Executive Summary was reviewed and feedback was requested
 - It was reported that there has been very active vendor participation
 - The DCE TF will begin with a Profile focused on the brain as a test case and will proceed to head & neck
 - There was discussion on which metrics and their associated parameters to use; sufficient literature is needed to support the inclusion of any metric

- Decision to be made on developing multiple organ-based Profiles or a single Profile with multiple claims
 - If a common, overall procedure addresses multiple body sites, one Profile with multiple Claims may be more efficient
 - There are concerns about multiple conformance procedures if separate Profiles are developed
 - Multiple Profiles may be necessary depending upon degree to which aspects like image acquisition differ
 - There will be significant differences in data acquisitions among different body sites
 - Subsections in the subject preparation section will be included if a single Profile with multiple body sites is the direction chosen

- More volunteers have joined efforts to review articles
- The Profile will be worked on in parallel to the literature review
- Dr. Laue reviewed the results of the vendor survey

- Vendor recommendations for B1 mapping may be published separately from the Profile due to limited data showing outcome improvement for inclusion in the Profile
- The target date for finishing the literature review is late July/early August

Other Business

- Upcoming PDF Task Force Updates:
 - July 6 – DTI
 - July 20 – DWI
 - August 3 – DSC
 - August 17 – DCE

Next PDF-MRI Biomarker Committee Call: July 6, 2016 at 11 AM CDT (DTI TF update is scheduled)