

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

Wednesday, 27 May 2015 at 11 AM CT

Call Summary

Participants

Michael Boss, PhD (Co-Chair)
John Kirsch, PhD (Co-Chair)
Harsh Agarwal, PhD
Daniel Barboriak, MD
David Bennett, PhD
Joseph A. Borrello, MD
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Caroline Chung, MD
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Daniel Gembris, PhD
Bernadette Greenwood, BSc
Alexander Guimaraes, MD, PhD
Edward F. Jackson, PhD
Hendrik Laue, PhD
Meng Law, MD, MBBS, FRACR
Chen Lin, PhD
Nancy Obuchowski, PhD
James Provenzale, MD

David Purdy, PhD
Kathleen Schmainda, PhD
Walter Schneider, PhD
Suraj Serai, PhD
Mark Shiroishi, MD
Ying Tang, PhD
Brian A. Taylor, PhD
Ona Wu, PhD
Junqian (Gordon) Xu, PhD
Yuxiang Zhou, PhD

RSNA

Joe Koudelik
Susan Weinmann

Announcements

- Dr. Jackson reported that the Steering Cmte review and scoring of Round 5 projects will occur in late June

DTI Task Force (TF) Update (Drs. Schneider and Provenzale)

- A TF name change from DTI to WADI (White Matter Anisotropic Imaging) was proposed
- Claim structure will prove difficult due to multiple statistical metrics used across various tissue types
- Additional members are being sought for this TF
- A literature review is underway and a list of twenty articles on DTI reproducibility has been compiled
- Drs. Laue and Schneider will work together to narrow article focus, based on key search terms
- Dr. Laue recommended looking at the PDF-MRI Biomarker page on the QIBA Wiki:
[http://qibawiki.rsna.org/index.php?title=Perfusion%2C Diffusion and Flow-MRI Biomarker Ctte](http://qibawiki.rsna.org/index.php?title=Perfusion%2C_Diffusion_and_Flow-MRI_Biomarker_Ctte)
- A timeline of the current Profile development was provided
 - Summer 2015 – draft protocol
 - August – extended WADI discussion of draft
 - Sept – draft to QIBA leadership
 - Oct – release to QIBA members
 - Post RSNA – release for Public Comment Phase

DWI Phantom Instructions

- Dr. Boss reviewed an updated DWI phantom scanning protocol; to be circulated to all DWI phantom scanning sites

Literature Search Approaches (Dr. Boss)

- This item was tabled and will be revisited on a future call

Next PDF-MRI Biomarker Committee Call:

June 10th: to include update from the DWI Task Force and discussion of Round 4 and Round 5 proposals