

QIBA FDG-PET Technical Committee Update

Friday, July 29, 2011 at 1 PM CDT

Call Summary

In attendance:

Paul Kinahan, PhD (Co-chair)
Richard Wahl, MD (Co-chair)
Andrew Buckler, MS
Patricia Cole, PhD, MD
John Hoffman, MD
Ninad Mantri, MS
Eric Perlman, MD
Ling Shao, PhD

John Sunderland, PhD
John Wolodzko, PhD
Jeffrey Yap, PhD
Brian Zimmerman, PhD

RSNA
Fiona Miller
Joe Koudelik

Agenda Topics

DRO profile update

- Dr Kinahan developing website to access DRO for testing on various vendor display stations
- DRO updates to be posted to the QIBA Wiki for reference

Y1 project updates

- SARC Y1 project updates provided by Dr Wahl
- Transfer of datasets to Johns Hopkins is complete; assessing image quality now
- Pursue data release once link is made to outcomes; associated image data with FDA biomarker qualification "Full Data Package" may help this release

Y2 project updates

- PET Y2 project proposals to be finalized
- Two main projects proposed
 - Multi-site comparison of inter- and intra-readers for SUV comparison
 - Combined Wahl, Yap, Hoekstra project - variability of PET parameters across readers and sites
 - Sample size and reader number discussed (30 cases pre/post therapy, 4 tumor types (diseases), 10 sites with 2 readers per site)
 - QIBA member (sites) and CRO welcome
 - NIST suggested to act as data registrar for PET data, similarly being done for the Vol-CT 3A project
 - Claim(s) needs to be identified
 - Datasets obtained from single scanner proposed
 - Dr Gatsonis to help develop a statistical plan

Next steps:

- Drs Kinahan and Wahl to update their Y2 project proposals
- Next FDG-PET Tech Cttee call: August 19, 2011 at 9 am CDT