

QIBA FDG-PET Technical Committee Update

Friday, November 4, 2011 at 9 AM CDT

Call Summary

In attendance:

Paul Kinahan, PhD (Co-chair)
Richard L. Wahl, MD (Co-chair)
Richard Frank, MD, PhD (Co-chair)
Ronald Boellaard, PhD
Andrew Buckler, MS
Barbara Croft, MD
Robert K. Doot, PhD
Brian Elston

Donald P. Harrington, MD, MA
Howard Higley, PhD
Blaine Horvath, RT
Martin A. Lodge, PhD
Dennis Nelson, PhD
Eric S. Perlman, MD
Larry Alan Pierce, PhD
Ling X. Shao, PhD
John J. Sunderland, PhD

RSNA

Joe Koudelik
Madeleine McCoy

Agenda Topics:

1. Meeting summary from the October 21, 2011 FDG-PET Tech Ctte call was approved as written
2. FDG-PET/CT Digital Reference Object (DRO)
 - The goal of this site is to test whether image display software can calculate the SUV in the manner expected
 - Downloadable DRO test object is available for Tech Ctte Beta testing
 - <http://depts.washington.edu/petctdro>
 - Login: **guest**;
 - Password: **physicsDRO**
 - Initial testing found some invalid DICOM tags (out of order/duplicate tags) in the DRO. If you have downloaded this earlier version, *please delete*.
 - Upgraded version is available and the version identification and assignment of the DOR will be updated as well
 - 9/14 version—includes errors and duplicates
 - 11/4 version has been tested several times and is on the Internet
 - The downloadable report sheet has also been updated and feedback to Dr Kinahan is encouraged
 - Parallel synthetic/ test data projects being undertaken by other QIBA Tech Cttes, eg., Dr Barboriak (DCE-MRI), which may be cross-committee implemented
 - Cross-committee participation open to anyone interested
 - DRO deemed very useful for the Profile compliance section; the DRO is critical in testing numerous imaging approaches used by various manufacturers
3. QIBA FDG-PET Tech Ctte Poster at the RSNA 2011 Annual Meeting
 - RSNA deadline for hard poster copy is November 4th
 - Poster material will cover the activities and goals of FDG-PET; namely the material from last year
 - Dr. Shao to draft a framework listing key points for the poster, possibly incorporating a diagram to help support the poster's "take-away" message
4. Round-1 QIBA (NIBIB) Funded Projects
 - Projects on schedule for Drs. Kinahan, Wahl, and Hoekstra; all three nearing their 6-month milestones
5. Round-2 (NIBIB) Proposed Project
 - 3 submissions from Drs Wahl, Kinahan and Yap; project details are being finalized

Next steps:

- FDG-PET Digital Reference Object (DRO) Beta testing feedback to be sent directly to Dr. Kinahan
- Reach out to the other technical committees for possible cross-collaboration to discuss synthetic/test data similarities
- Next Call will be scheduled November 18th at 9am (CT); Dr Perlman to provide a PET Profile update

REMINDER: QIBA Poster Meet-the-Expert (MTE) Sessions at RSNA 2011:

Please provide your availability to participate in the QIBA Poster **Meet-the-Expert** (MTE) sessions at the RSNA 2011 Annual Meeting; Doodle link to sign-up: <http://www.doodle.com/gnartbzuuydqiauk>

This is a chance to interact with meeting attendees and discuss committee and poster content. Sessions are 30 minutes over the noon-time hour, Sunday through Thursday.