

QIBA FDG-PET/CT Tech Ctte Update Call

19 October 2012 at 9 AM CT (GMT-5)

Call Summary

In attendance:

Paul E. Kinahan, PhD (co-chair)

Ling S. Shao, PhD (co-chair)

Richard L. Wahl, MD (co-chair)

Andrew Buckler, MS

Barbara Croft, PhD

Robert Doot, PhD

Michael Graham, MD, PhD

John Hoffman, MD

Martin Lodge, PhD

Lawrence MacDonald, PhD

Neru Munshi, PhD

Eric Perlman, MD

Annette Schmid, PhD

Anne Smith, PhD

Rathan Subramaniam, MD

John Sunderland, PhD

Wolfgang Weber, MD

Scott Wollenweber, PhD

John Wolodzko, PhD

Brian Zimmerman, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Poster for RSNA 2012

- Interested volunteers: please respond to Dr. Kinahan at kinahan@uw.edu.
- A printed copy of the technical committee poster is **due to RSNA by November 1st**
 - Alternatively, tech committee members may install their posters on Saturday, November 24th.

Profile update:

- Section 4 Profile edits discussed in preparation for Public Comment Phase; Review is complete for sections 1-3
- Distortion of SUV values due to high body mass index (BMI) values discussed; a corrected formula was suggested
- Dr Perlman to act as Profile Editor for Public Comment Phase
- **Compliance section reviewed:**
 - 4.4.3 (Calculation of Standardized Uptake Value (SUV))
 - Dr. Wahl discussed a revised BMI formula that was presented at SNM but not yet published
 - Dr. Wahl to distribute formula for discussion
 - 4.4.4 (Image Analysis: Workstation)
 - 4.4.5 (Software Version Tracking)
 - Performance specs of image analysis station to include reference to DRO testing for verification
 - Software version updates to be documented
 - System will need to be qualified prior to clinical trials and as software updates occur.
 - Helpful to include:
 - installation (what site does)
 - Model information (upgrade of software)

Wish list items:

- DICOM headers to include – non-uniform scan times and documentation of exam specification records
 - FOV and diameter to record extent of anatomical coverage
 - **Note:** Currently on QIBA wiki: formula to calculate SUV from any system with provided code
- Aiming to have the FDG-PET Profile ready for the Public Comment phase by October 31, 2012.

Action items for 10/26 call:

- Dr. Yap to finish updating an appendix
- Dr. Wahl to distribute his formula for discussion re: BMI in relation to SUV values
- Dr. Kinahan to send updated version of Profile for review.

Next call: Next FDG-PET Technical Committee call - Discussion of remaining items, **Friday, October 26th, at 9 am CT.**