

QIBA FDG-PET/CT Tech Ctte Update Call

26 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

Paul Christian

David Clunie, MBBS

Barbara Croft, PhD

Robert Doot, PhD

John Hoffman, MD

Martin Lodge, PhD

Lawrence MacDonald, PhD

Annette Schmid, PhD

Anne Smith, PhD

Rathan Subramaniam, MD

John Sunderland, PhD

Timothy Turkington, PhD

Matt Vanderhoek, PhD

Brian Zimmerman, PhD

RSNA

Fiona Miller

Julie Lisiecki

Poster for RSNA 2012

- 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:

- Version 0.9.5 Profile edits discussed in preparation for Public Comment Phase
- Waiting for alternate version of lean body mass (or ideal body weight) formula from Dr. Wahl
- References from Dr. Wollenweber on evaluable tumors to be incorporated by Dr. Kinahan
- Changes were made to the following:
 - 3.6.5 (Quality Control of FDG-PET/CT studies)
 - 3.6.5.3 (Determination of Evaluable Tumor Lesions)
 - Reference to UPICT section 10.2.1.1 – (Selection of Target Lesions)
 - Should be addressed in clinical trial protocol
 - Consensus recommendations were derived from UPICT/ PERCIST and SNM Global Harmonization Mtg 2010
 - High baseline FDG uptake is necessary: Baseline SUV to be 1.7 times the mean SUV of the liver
 - Dr. Subramaniam to distribute paper on baseline lesion SUV measurement
 - Further details UPICT section 10.2.1.1:
 - If the liver SUVs are not appropriate, e.g., due to liver disease, blood pool in the mediastinum, or a fixed baseline SUV of 4 or 5 are suggested alternative protocols.
 - Edits to protocol need to be reviewed prior to inclusion.
 - Minimum Lesion Size
 - Lesions smaller than 2 cm (or not otherwise easily measurable) may still be evaluable
 - 4.2 (PET/CT Acquisition Device)
 - 4.4.2 (Calculation of Standardized Uptake Value, (SUV))
 - Appendix G (vendor neutral code) was updated by Dr. Clunie on the QIBA wiki
- Final preparations for release to Public Comment will occur in the next two weeks via e-mail
- Dr. Perlman will be coordinating the responses for Public Comment.

Action items:

- Dr. Wahl to distribute his formula for BMI in relation to SUV values
- Dr. Subramaniam to distribute paper on baseline lesion SUV measurement

Next call: TBD. Tech Committee members will work on any Profile edits in the next two weeks via email in preparation for Public Comment.