

QIBA Working Meeting
FDG-PET/CT Breakout Session
(RSNA 2008)
December 4th, 2008

Summary

- There are currently four work groups with leadership as follows:
 - **Software Version Tracking***, Ling Shao, PhD
 - **Region of Interest Definition**, Timothy Turkington, PhD
 - **Covariate Rationale**, Yuying Hwang, PhD
 - **Digital Reference Objects-Images**, Paul Kinahan, PhD
 - **Quantitative Computation**, David Clunie, MBBS
 - **Quality Control Metrics****, Ling Shao, PhD & Jeffrey Yap, PhD

- While digital phantoms will be helpful, a physical phantom is also needed. SNM is working on one.

- In calculating SUV, it is important to capture the quality and specific activity of the radiochemical administered in addition to equipment parameters.

- Mike Graham, MD, PhD can serve as the liaison between this group and SNM.

- The QIBA group should focus on giving feedback to vendors about technical issues to be addressed.

- Standardized fields need to be identified to burn out data for reading by other systems. Information should be gathered about whether IHE has developed an export standard for fused imaging. QIBA should find and endorse such a standard.
 - Standards for display of fused images
 - Quality control for images as a required data field

- Quality Control
 - Would it be possible to include a reference object that could be scanned with each patient?
 - It is best to set minimum quality control performance standards and then let the vendors figure out how to meet that standard. Vendors must be given time to comply with the guidelines.
 - Companies should be able to give a confidence level for reported values.
 - Equipment should be able to issue a daily QC report that is trackable from patient reports.
 - Drs. Shao and Yap have agreed to head a group working on quality control metrics.

*Inactive until now with new leader (Dr. Shao)

**New group added during RSNA 2008