

QIBA FDG-PET/CT Tech Ctte Update Call

01 June 2012 at 9 AM CDT (GMT-6)

Call Summary

In attendance:

Paul Kinahan, PhD (co-chair)

Richard Wahl, MD (co-chair)

Keith Allberg

Ronald Boellaard, PhD

Andrew Buckler, MS

Paul E. Christian

Patricia E. Cole, PhD, MD

Barbara Croft, MD

Martin Lodge, PhD

Lawrence MacDonald, PhD

Anne M. Smith, PhD

Rathan Subramaniam, MD

John J. Sunderland, PhD

Scott Wollenweber, PhD

John Wolodzko, PhD

Jeffrey T. Yap, PhD

Brian E. Zimmerman, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Profile revisions discussed (Dr. Kinahan)

- Parameters for qualifications of imaging facility personnel and equipment were discussed
 - It was determined that the facility coordinator be responsible for proper credentialing, updating, and maintenance
 - Scanners should be tested at least yearly to meet criteria set by medical physicists
- Discussion of the reference to "ALARA," or *as low as reasonably achievable* dose and its proper usage in the text
 - Need to minimize radiation dose while preserving diagnostic performance; further discussion needed
- Dose calibrator issues reviewed and three terms discussed:
 - Constancy (*not* accuracy) – should be evaluated daily by technologist
 - Accuracy - (traceability of source) - should be evaluated monthly
 - Linearity (linear behavior) – should be evaluated quarterly by technologist or radiation safety officer
- True value is determined by a linear fit to the average data over the same operating range
 - Anyone with a dose calibrator must have a log book
 - It is important to mention that these measurements must be recorded
 - Mr. Allberg to provide a NRC reference for dose calibration details
- Other topics in need of further discussion include: Site qualification and what it means, QIBA compliance, ABR certification/ requirements, and what else may be necessary
- Targeting end of June for Profile to be cleaned up (QIBA) for Public Comment

SNM Meeting (week of June 4-8)

- Group may try to meet in the hotel lobby informally at the meeting
- Dr. Kinahan will ask RSNA staff to notify group if a possible time has been set

Next steps:

- Next topics to discuss:
 - Site qualification and what it means
 - QIBA compliance
 - ABR certification/ requirements
 - What else is necessary?
- Any comments to Dr. Kinahan, please: Kinahan@uw.edu
- Drs. Boellaard and Yap to circulate CT dose diagnostic reference level templates

Next call: To continue discussion of the Profile at 9 am (CT) **June 8th**.