

QIBA FDG-PET/CT Tech Ctte Update Call

April 20, 2012 at 9 am CT

Call Summary

In attendance:

Paul Kinahan, PhD (co-chair)

Richard Wahl, MD (co-chair)

Keith Allberg

Andrew Buckler, MS

Paul E. Christian

Patricia Cole, PhD, MD

Constantine Gatsonis, PhD

Blaine Horvath, RT

Martin Lodge, PhD

Larry R. MacDonald, PhD

Ling X. Shao, PhD

Anne M. Smith, PhD

Rathan Subramaniam, MD

Daniel C. Sullivan, MD

John Sunderland, PhD

Wenli Wang, PhD

Jeffrey T. Yap, PhD

Brian E. Zimmerman, PhD

RSNA

Joe Koudelik

Discussion regarding the Profile updates (Dr. Kinahan)

- Updated version of the Profile working document reviewed
- Normative statements discussed (e.g., patient height, weight, etc) and who/ how these are to be recorded and used
- Patient should ideally be measured at time of PET scan, but procedures may vary
- Blood glucose level (BGL) measurements discussed
 - Standardization needed to address variation in current procedures (U.S. and international)
 - e.g., If PET scan performed with BGL > 200, explanatory text should be required
 - Guidance for diabetic patient scans would be helpful
 - ACR guidelines state a BGL > 200 as a cut-off (threshold) for PET scan; this is listed in the UPICT PET protocol
- Need to revisit image acquisition-tasks within the Profile to determine whether these are relational or should be treated separately
- Protocol vs. Compliance
 - Protocol – What the scanning technologist actually does (protocols Technologist follow)
 - Compliance – What the scanner is capability of doing (what is possible now and future needs)
- Standard Case-Report-Form (CRF) comparisons made to the ACRIN template, currently being implemented across ACRIN, CDISC, FDA, and NCI
- ACRIN also converging CRFs for RECIST and applying this to additional biomarkers
- Group decided to allow ACRIN to lead with this CRF effort, and simply feed important items / concerns to this broader ACRIN activity

Next steps:

- Variation in FDG tracer dose to be addressed on next call
- Drs Smith and Kinahan to follow-up offline concerning Profile questions raised by Siemens
- Continue discussion of final Profile edits on next call prior to release for Public Comment

Next call: to continue discussion of the Profile at 9 am (CT), April 27th