

QIBA FDG-PET/CT Tech Ctte Update Call

18 May 2012 at 9 AM CT

Draft Call Summary

In attendance:

Paul Kinahan, PhD (co-chair)

Richard Wahl, MD (co-chair)

Keith Allberg

Andrew Buckler, MS

Paul E. Christian

John M. Hoffman, MD

Martin Lodge, PhD

Lawrence (Larry) MacDonald, PhD

Eric Perlman, MD

Ling X. Shao, PhD

Anne Smith, PhD

Rathan Subramanian, MD

Daniel C. Sullivan, MD

John Sunderland, PhD

Valerie Treyer, PhD

Timothy Turkington, PhD

Scott Wollenweber, PhD

John Wolodzko, PhD

Jeffrey Yap, PhD

Brian E. Zimmerman, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Profile revisions discussed (Dr. Kinahan)

- Group addressed section IV and reviewed normative text boxes
- Topics included:
 - PET component full-ring system for PET/CT scanners (from UPICT protocol)
 - To be defined based on system's performance
 - Performance based on manufacturer NEMA NU-2 specs or user-demonstrated specs
 - This is separate from scanner qualification testing, which would involve a phantom study with subject / clinical trial in a real-world phantom image – (addressed in section VI)
 - Performance should be based on phantom evaluation – quantitative and qualitative measurements
 - This profile only addresses PET/ CT scanners; No statements included about PET only or MR/ PET.
 - CT Scanner calibration – question as to whether this should be covered in section VI
 - Grey text within boxes will ideally be tracked within DICOM headers

Next steps:

- Group to review progress at QIBA f2f meeting
- Group to read through table and briefly comment prior to next call, 5/25.
 - Please send any comments to Dr. Kinahan: Kinahan@uw.edu.

Next call: To continue discussion of the Profile at 9 am (CT) **May 25th**