

QIBA FDG-PET/CT Tech Ctte Update Call

7 December 2012 at 9 AM CT (GMT-5)

Call Summary

In attendance:

Paul E. Kinahan, PhD (co-chair)

Ling S. Shao, PhD (co-chair)

Andrew Buckler, MS

Paul Christian

Patricia Cole, PhD, MD

Barbara Croft, PhD

Robert Doot, PhD

Howard Higley, PhD

John Hoffman, MD

Martin Lodge, PhD

Lawrence MacDonald, PhD

Neru Munshi, PhD

Dennis Nelson, PhD

Eric Perlman, MD

Annette Schmid, PhD

Anne M. Smith, PhD

Rathan Subramaniam, MD

Timothy Turkington, PhD

Scott Wollenweber, PhD

John Wolodzko, PhD

Jeffrey T. Yap, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Highlights for QIBA FDG-PET Tech Ctte from RSNA 2012:

- **Monday** – special interest session provided MD perspective on *What Imaging Measurements are Needed in Clinical Practice*
- **Tuesday** – meeting with display station vendors went well
- **Wednesday** – QIBA meeting breakout session was well attended
- **Poster in the QIBA kiosk and at QIRR** – also well attended
- Many different QIBA-associated activities at the meeting.
 - The next phase for QIBA will be along three different lines of progress:
 1. Compliance
 2. Digital Research Object – (DRO)
 3. Qualification (consolidation of technical performance and increased clinical perspective needed)
- A new Profile effort for FDG-PET is being considered with neuroradiology in brain amyloid imaging with FDG
 - Some details of the Profile would not be appropriate for FDG; however, tech considerations are in the compliance section and would not change
 - Reimbursement code for brain quantification with amyloid is being considered
 - Amyloid PET tracers are already on the market, though no supporting information is yet available
 - Need to determine use-case
 - Dr. Cole to identify additional initiatives for future discussion
- A new FDG-PET Profile will be needed in a few years though timeline is undetermined

Version 0.9.8 Profile – Next Steps and Preparation for the Public Comment Phase

- Field Testing
- Measuring compliance
- May need to reconvene the subcommittee for DRO to address inconsistent results regarding boundaries
- UPICT FDG-PET/CT Protocol Writing Group
 - Working on comparing critical portion of quantitative PET Profile details to protocol
 - ROI
 - Boundaries
 - Finishing up Appendix C
- Appendix E (QA procedures for different devices) needs GE perspective – Dr. Wollenweber has agreed to review
- Voting “yes” or “no” for release for Public Comment will conclude with majority vote collected by December 14th

Action items:

- Dr. Wollenweber has volunteered to review Appendix E for GE perspective
- Modality Committee members to vote **by December 14th** whether the Profile is approved for release for Public Comment

Next call: January 4, 2013 at 9 am CT.