

QIBA FDG-PET/CT Tech Ctte Update Call

18 July 2014 at 9 AM CT (GMT-5)

Call Summary

In attendance:

Ling Shao, PhD (Co-chair)

John Sunderland, PhD (Co-chair)

Ronald Boellaard, PhD

Ming-Kai Chen, MD, PhD

John Hoffman, MD

Paul Kinahan, PhD

Lawrence MacDonald, PhD

Eric Perlman, MD

Anne Smith, PhD

Rathan Subramaniam, MD

Daniel Sullivan, MD

Timothy Turkington, PhD

Jean-Luc Vanderheyden, PhD

Scott Wollenweber, PhD

John Wolodzko, PhD

Dewen Yang, MD, PhD

RSNA

Joe Koudelik

Madeleine McCoy

Agenda

- 1) Steering Committee and adjacent committee updates
 - a) Past/Upcoming meeting update (None)
 - b) Adjacent committee updates (None)
- 2) Project Updates
 - a) Profile Field Testing (45 min) – Timothy Turkington, PhD
 - b) DRO Project update (5 min) – Paul Kinahan, PhD
 - c) UPICT comments feedback and next steps (5 min) – Paul Kinahan, PhD
- 3) Amyloid Writing Group Updates (5 min)
- 4) Others

General Discussion

QIBA FDG-PET Profile Field Testing Project Update (Dr. Turkington)

- The participating PI / sites in this study include, Drs. Turkington (Duke), Lodge (JHU), Boellaard (VUMC) with assistance from Dr. Kinahan.
- The technical specifications of the Profile Claim have been consolidated into a spreadsheet for compliance assessment.
 - Dr. Turkington has taken the lead to categorize the Profile's technical specifications into a standardized compliance checklist
 - Non-critical performance specification categories for exclusion include:
 - Generally not feasible
 - "Trivial"
 - Redundant
 - Probably not essential
 - Not clear how to test
- The next step will be to compile the most essential information into a checklist.
 - Dr. Turkington will send Dr. Perlman the spreadsheet for feedback
- The goal is to have the field test assessments done in late July or early August with checklist completion by late September
- A Round-4 funding application has been submitted for a continuation of this project

FDG-PET/CT DRO Update (Dr. Kinahan)

- The Round-3 PET DRO adds functionality to the previous version by including:
 - PET and CT alignment
 - Fidelity for ROI selection
 - Test for SUVpeak measurement
- A limited run distribution to the Tech Ctte is planned for early August to collect data and feedback
- Dr Kinahan welcomes suggestions for additional functionality for future DROs

UPICT FDG-PET/CT Imaging Protocol (Dr. Kinahan)

- The Tech Ctte discussed the Protocol at the QIBA Annual Meeting in May 2014
 - The current form of the Protocol was missing components from the UPICT Protocol Template
 - RSNA Staff reformatted the document and await next steps from Dr. Yap
 - It was suggested that the Protocol be distributed to SNMMI, ACR and Pharma contacts for possible clinical implementation and greater exposure
 - The Protocol will be posted on the RSNA Website for ease of citation
 - Dr. Kinahan will work with Dr. Yap to look into editorial/publishing avenues

PET Amyloid WG Update (Dr. Smith)

- The Centiloid paper has been accepted for publication
- The Test/Retest Subgroup is currently discussing claims
- There has been key individual enthusiasm with great participation on each call

Upcoming Calls:

QIBA PET Amyloid WG Subgroup T-Con, Friday, July 25th at 8:30am (CT)

QIBA FDG-PET Tech Ctte Update T-Con, Friday, August 1st at 9am (CT)