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) Eric Perlman, MD John Wolodzko, PhD
John Sunderland, PhD (Co-chair) Anne Smith, PhD Dewen Yang, MD, PhD
Ronald Boellaard, PhD Rathan Subramaniam, MD
Ming-Kai Chen, MD, PhD Daniel Sullivan, MD RSNA
John Hoffman, MD Timothy Turkington, PhD Joe Koudelik
Paul Kinahan, PhD Jean-Luc Vanderheyden, PhD Madeleine McCoy
Lawrence MacDonald, PhD Scott Wollenweber, PhD

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.
  o Dr. Turkington has taken the lead to categorize the Profile’s technical specifications into a standardized compliance checklist
  o 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.
  o 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:
  o PET and CT alignment
  o Fidelity for ROI selection
  o 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

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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)