

## QIBA FDG-PET/CT Tech Ctte Update Call

14 February 2014 at 9 AM CT (GMT-6)

### Call Summary

#### **In attendance:**

##### **Co-chair:**

*Ling Shao, PhD*

*John Sunderland, PhD*

*Richard Wahl, MD, FACR*

Ronald Boellaard, PhD

Ming-Kai Chen, MD, PhD

Edward Eikman, MD

Howard Higley, PhD

John Hoffman, MD

Paul Kinahan, PhD

Jeffrey Kolthammer, PhD

Martin Lodge, PhD

Dawn Matthews, MS, MBA

Dennis Nelson, PhD

Eric Perlman, MD

Anne Smith, PhD

Charles Smith, MSCS

Rathan Subramaniam, MD

Pierre Terve, MS

Timothy Turkington, PhD

Scott Wollenweber, PhD

Jeffrey Yap, PhD

#### **RSNA**

Fiona Miller

Julie Lisiecki

Madeleine McCoy

### **Proposed Agenda**

- 1) Steering committee and adjacent committee updates
  - a) Past/Upcoming meeting update
  - b) Adjacent committee updates
    - a. EARL update-Dr. Boellaard
- 2) Project Updates
  - a) Profile Field Testing Update
  - b) DRO Project update
  - c) UPICT comments feedback and next steps
- 3) Amyloid Writing Group Updates
- 4) Others

### **General Discussion**

#### Meetings

- FDG-PET Breakout Group at the QIBA Annual Meeting
  - Drs. Shao, Sunderland and Wahl will create an agenda with a specific end time to encourage optimal participation.
  - Topics might include next steps for the field testing of the Profile, and Year 2 funding gaps and goals

#### EARL Update (Dr. Boellaard)

- FDG-PET and PET/CT EANM Procedures, Guidelines, and Preparations
  - Calibration QC and SUV Recovery Specifications
  - SUVmax clinical uses
  - Upper and lower SUV recovery up-to-date numbers are posted on the EARL website
  - 90 sites are accredited in the program
  - GE, Philips, and Siemens machines were used
  - Results and recordings were shared and explained
  - Dr. Smith requested the vendor-specific data be sent to the GE, Philips and Siemens reps for comparison and improvements. Drs. Boellaard and Smith to discuss further.
    - Dr. Sunderland is working with several members on a similar NCI project from which data will be shared.

- To harmonize image quality for SUVmax, the following issues need to be addressed:
  - Reproducibility-single voxel
  - Variability-defining regions of interest
  - Bias-noisy SUVmax tends to have a higher value; varied bias becomes a source of variability

#### Projects

- Dr Turkington reported on the Profile test/retest study project developments:
  - The current strategy is to translate points into a checklist
  - A timetable is in place through early Fall of 2014
- Dr Kinahan provided an update on his DRO project:
  - The group is working on the first paper, reexamining the clinical context, and proposing a solution.
  - Compliance and testing of the DRO procedures is the next step.
- Dr Yap provided an update re the UPICT PET Protocol development
  - Revisions based on the public review comments are in progress; the goal is to complete the final draft by the end of February.

#### Amyloid Writing Group Update

- Dr Smith reminded the group of the next t-con, Friday, February 21<sup>st</sup> at 8:30am (CT).

Next FDG-PET/CT Tech Ctte t-con is scheduled for Friday, February 28<sup>th</sup> at 9 AM (CT)