

QIBA FDG-PET/CT Biomarker Committee (BC) Update Call

01 May 2015 at 9 AM CT (GMT-6)

Call Summary

In attendance:

John Sunderland, PhD (Co-chair)
Scott Wollenweber, PhD (Co-chair)
Ronald Boellaard, PhD
Ming-Kai Chen, MD, PhD
John Hoffman, MD

Paul Kinahan, PhD, FIEEE
Adriaan Lammertsma, PhD
Lawrence (Larry) MacDonald, PhD
Nancy Obuchowski, PhD
Amy Perkins, PhD

Eric Perlman, MD
Anne Smith, PhD
Huseyin Toré, MD
Brian Zimmerman, PhD

RSNA

Fiona Miller
Joe Koudelik
Julie Lisiecki

Preparation for the QIBA Annual Meeting

- The checklist team has identified sites for the field test
- Drs. Sunderland and Smith will provide amyloid information for the presentation slides
- Dr. Sunderland will also cover UPICT effort updates
- Dr. Kinahan to provide slides to Drs. Sunderland and Perlman with amyloid information from last year
- Dr. Wahl will give the presentation on Wednesday for the NM Coordinating Committee Report
- Dr. Perlman noted that FDG-PET is leading the charge for field testing within QIBA

Breakout discussion at the QIBA Annual Meeting

- RSNA Staff will provide rosters with room assignments for all QIBA nuclear medicine participants
- Due to space limitations, the FDG-PET, Amyloid, and (proposed) SPECT Biomarker Committees will share a breakout session and time will be divided to address topics relevant to each
- Topics of discussion will include:
 - FDG-PET Profile updates based on current Field Testing projects
 - Status of Profile publication for abbreviated version
 - Dr. Subramaniam is following up on proposed publication via *Radiology* or *JNM*
 - Profile updates for PET Amyloid
 - Round-5 (2015-2016) proposed projects
 - Amyloid Meta-analysis results
 - SPECT as a proposed biomarker

Profiles

- There remains a “lean body mass” issue in need of update; it has not yet been determined whether or not there will be an intermediary update prior to version 2.0 of the QIBA FDG-PET/CT Profile
- The report on the checklist project will inform revisions to the FDG-PET Profile
- A final version of the Amyloid PET Profile is anticipated by September; Dr. Smith plans to distribute a draft copy to nuclear medicine participants prior to the QIBA Annual Meeting

Proposed Projects for 2015-2016

- Four projects have been proposed for Nuclear Medicine:
 - Metabolic Tumor Reactive Volume (Dr. Subramaniam)
 - Image Quality Resolution Assessment (Dr. Lodge)
 - Amyloid Brain PET Test-Retest Meta-Analysis (Dr. Subramaniam)
 - Analyses to Support Amyloid Imaging Profile Development (Ms. Matthews)
- These projects will be discussed during the 5/5/15 QIBA Steering Committee Meeting
- Nuclear medicine members plan to discuss projects during the breakout sessions

Proposed Call Schedule (Fridays, 9 am CT):

May 8: No call (day after the QIBA Annual Meeting)

May 15: **Combined** Nuclear Medicine Update

May 22: Amyloid Biomarker Ctte

May 29: (proposed) SPECT Biomarker Ctte

June 5: FDG-PET Biomarker Ctte

June 12: Amyloid BC Biomarker Ctte

June 19: (proposed) SPECT Biomarker Ctte

June 26: Amyloid Biomarker Ctte