

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

03 April 2015 at 9 AM CT (GMT-6)

Call Summary

In attendance:

Rathan Subramaniam, MD, PhD (Co-chair)

John Sunderland, PhD (Co-chair)

Scott Wollenweber, PhD (Co-chair)

Ming-Kai Chen, MD, PhD

Howard Higley, PhD

John Hoffman, MD

Paul Kinahan, PhD, FIEEE

Gregory Klein, PhD

Martin Lodge, PhD

Lawrence (Larry) MacDonald, PhD

Eric Perlman, MD

Anne Smith, PhD

Huseyin Toré, MD

Timothy Turkington, PhD

Dewen Yang, MD, PhD

Brian Zimmerman, PhD

RSNA

Joe Koudelik

Julie Lisiecki

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

- A conformance checklist for Phase I has been developed by the task force: Drs. Turkington, Boellaard, Lodge, and Kinahan
 - Next step is to solicit feedback from scanner manufacturers and report to what degree systems conform
- A collaborative approach will be employed
 - Manufacturers will be asked to review the comprehensive spreadsheet and answer any open questions
 - For expediency, the task force has provided answers to some of these questions, requesting clarification or agreement
 - Results will be de-identified and compiled for distribution to the committee
 - Manufacturers will have the opportunity to include future equipment/software updates that allow for conformance
 - A few months will be allocated for responses to be provided
- Incentive to participate in this checklist effort is the encouragement of positive change and continued innovation
- It is anticipated that the checklist, along with an abbreviated Profile, may be submitted for publication to *Radiology* or *JNM* in efforts to raise awareness, with a full-length Profile available electronically on the journal's website
 - This updated and abbreviated version and future versions will be renamed according to versioning guidelines to be provided by the QIBA Process Coordinating Committee
 - It is preferred to refer to a document as a dated edition, e.g., QIBA FDG-PET Profile 2015, rather than "version 1.1.1," etc.
 - Questions remain as to whether or not older versions should be archived or remain accessible
 - To make Profile updating easier, it was suggested that abbreviated paper updates be written and supplemental data provided in an electronic appendix, for reference
 - A new Task Force was suggested for regular updating of the Profile

QIBA Project Proposals for 2015-2016

- Ideas for possible funded project proposals are due to RSNA staff **by April 27th**: qiba@rsna.org
- Additional information for projects will be needed once Coordinating Committee leadership determines priority
- All QIBA project proposals (across modalities) will be prioritized and evaluated by the QIBA Steering Committee
- Dr. Subramaniam proposed consideration of a new biomarker Profile based on FDG Volumetric markers
 - Such an effort would go beyond SUVmax and would involve the study of metabolic tumor volume
 - Modified DRO testing and the test-retest group, along with ACRIN 6678, would figure prominently in this effort

QIBA Annual Meeting Planning

- The nuclear medicine breakout group time at the QIBA Annual Meeting in May will be used for project discussions and work on the Profile; attendees should plan accordingly

Proposed Call Schedule (Fridays, 9 am CT):

- **April 10:** PET Amyloid Biomarker Ctte {Re-allocated for all QIBA NM groups to discuss project proposals}
- **April 17:** (proposed) SPECT Biomarker Ctte
- **April 24:** PET Amyloid Biomarker Ctte
- **May 1:** FDG-PET Biomarker Ctte {Focus of the call: Planning for the QIBA Annual Meeting for those who will be attending.}