

QIBA FDG-PET Biomarker Committee (BC) Call

04 March 2016 at 9 AM CT (GMT-6)

Draft Call Summary

In attendance:

Rathan Subramaniam, MD, PhD (co-chair)

John J. Sunderland, PhD (co-chair)

Scott Wollenweber, PhD (co-chair)

Ishtiaq Bercha, MSc

Terry Brown

John Hoffman, MD

Masanobu Ibaraki, PhD

Abhinav Kumar Jha, PhD

Paul Kinahan, PhD

Gregory Klein, PhD

Larry MacDonald, PhD

Dennis Nelson, PhD

Nancy Obuchowski, PhD

Larry Pierce, PhD

Anne Smith, PhD

Charles Smith, MSCS

Mitsuaki Tatsumi, MD

Dewen Yang, MD, PhD

Jeffrey Yap, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Moderator: Dr. Wollenweber

Discussion included:

Round-6 Project Proposals

- Interested PIs are to follow up with the co-chairs (rsubram4@jhmi.edu; john-sunderland@uiowa.edu; Scott.Wollenweber@med.ge.com) regarding topic ideas before completing proposal and budget forms
- If ideas are approved by the BC, co-chairs will provide PIs detailed proposals forms and budget sheets that are **due to RSNA Staff by April 15th**
 - Projects *must* support the Profiles and/or conformance process
 - Projects *must* address the federal contract objectives
 - It is also important that budget details take into consideration federal indirect rates
- Additional discussion within the FDG-PET BC will be possible on the April 1st call
 - Projects related to Dr. Turkington's checklist are anticipated
 - Dr. Lodge also expressed interest in expanding his project on uniformity measurements, as it may have multiple applications beyond QIBA
 - Drs. Kinahan and Pierce are considering additional DRO modifications - possible addition of a 7 mm reference sphere (Feedback welcome: kinahan@uw.edu; lapierce@u.washington.edu)
 - Volunteers to test DRO included Drs. Bercha, D. Nelson, and Subramaniam
 - Dr. Kinahan to follow up with volunteers

Profile Updates per the field testing – status of the updates

- Detailed responses received from three manufacturers re: scanner performance Profile specifications
- The goal is to conform with specifications without having the Profile slow down implementation
 - Instructions must be concise
 - Most comments have been scanner-related; workstation/software requirements also to be examined
 - Dr. Nelson (informatics) mentioned that the DRO has been very valuable for formula work
 - Dr. Subramaniam wants to finalize the checklist and release it for testing and feedback
 - Wording for the checklist must remain as brief and useful as possible
 - The checklist must also remain consistent with the larger Profile

Conformance/QIBA Certification Update

- There has been some manufacturer interest regarding “the QIBA certification process” for demonstrating QIBA Profile conformance
- Collaborating with ACR regarding the conformance process was discussed
 - A joint pilot project was deemed one possible path forward
 - There has not been much traction since Drs. Sullivan and Jackson met with ACR in 2015
 - There are two separate “arms” within ACR --
 - ECOG-ACRIN (*formerly ACRIN*) – (handles clinical trials and research)
 - ACR (accreditation)

- Due to their extensive network of accreditation programs in various modalities, as well as existing infrastructure, a partnership with ACR should be explored
 - It was suggested that publishing a white paper and the ready-to-use checklist may make this idea more appealing to ACR
 - A Round-6 project might propose funding for completion of the checklist effort Projects would need to be developed to do testing across systems for conformance

Plan for f2f QIBA Annual Meeting Breakout Sessions

- Dr. Wollenweber to prepare the agenda for the FDG-PET BC f2f session at the QIBA Annual Meeting
 - Short 5-minute PowerPoint presentations may be requested from those considering projects
 - The group requested a draft agenda for the QIBA Annual Meeting to help plan their time
- Profile update based on vendor and site feedback to the FDG-PET Profile feasibility study (PI: Dr. Turkington)

Action items:

- Interested PIs are to follow up with the co-chairs (rsubram4@jhmi.edu; john-sunderland@uiowa.edu; Scott.Wollenweber@med.ge.com) regarding topic ideas for Round-6 projects
- Dr. Kinahan to follow up with DRO testers; Feedback may be sent to: (kinahan@uw.edu; lapierce@u.washington.edu)
- RSNA Staff to distribute a draft agenda for the QIBA Annual Meeting to leadership
- Group to work toward publishing a white paper and ready-to-use checklist to move compliance effort forward

Nuclear Medicine BC Calls:

March:

Mar 11: Amyloid BC
 Mar 18: SPECT BC
 Mar 25: Combined NM BCs – *TBD*

SPECT Task Forces: (Tuesdays at 2 pm CT)

March:

Mar 08: Quantitative / Image Analysis – *Drs. Miyaoka & Seibyl*
 Mar 15: Phantoms / DRO Group – *Drs. Dickson & Zimmerman*
 Mar 22: Clinical / Literature Review – *Dr. Seibyl*
