

QIBA FDG-PET Biomarker Committee (BC) Call

01 March 2019 at 9 AM CT

Call Summary

In attendance:

<i>Rathan Subramaniam, MD, PhD, MPH (Co-Chair)</i>	Adriaan Lammertsma, PhD	Kelley Ryan, MHS	RSNA Joe Koudelik
<i>John Sunderland, PhD (Co-Chair)</i>	Nancy Obuchowski, PhD	Jeffrey Yap, PhD	Julie Lisiecki
<i>Scott Wollenweber, PhD (Co-Chair)</i>	Amy Perkins, PhD		

Moderator: Dr. Sunderland

Radiology Manuscript Update

- Dr. Sunderland to follow up with Dr. Kinahan offline for an update, with cc to the other co-chairs and Drs. Wahl and Jackson
- A copy of the most recent reviewer comments and completed edits is needed, along with a realistic timeline for completion
- The co-chairs plan to offer their help to complete the manuscript
- If *Radiology* is no longer a viable option, *JNM* and *AJR* will be considered for submission

Follow up with ACR Foundation (Dr. Subramaniam)

- Due to leadership changes, the ACR Foundation committee has not met since June 2018
- There is no timeline for the next meeting, which means that funding decisions are on hold
- Leadership will look into alternate options such as in-kind donations to support needed groundwork projects

Logistics planning for a Clinical Trial

- BC leadership to get in touch with Dr. Perlman and others who were interested in logistics planning
- Need to determine who will take on the administrative role and how to centrally organize the data and analysis
- Questions for consideration include:
 - Where will central images be stored?
 - Who will complete central reads?
 - Can SNMMI or the Clinical Trials Network (CTN) provide assistance?
 - Though no infrastructure is currently in place, it is possible that crowd-sourcing and aid from volunteer stakeholders may make this clinical trial come to fruition
 - MIM cloud system/storage might be an option with controlled access
 - ACR might be willing to provide a few extra readers
 - In addition, help may be available from QIN and the NIBIB, though nothing has been determined at this point in time
 - BC leadership needs to identify what major resources are needed and where they will come from
 - A draft plan and ideas will be discussed on the April 5th BC call

Estimation of what remaining groundwork is needed

- BC members to identify any knowledge gaps requiring groundwork if QIN or NIBIB funding were to become available
- Half-page project proposals requested by QIBA leadership and Dr. Zahlmann (SIG Chair) by April 15th for possible inclusion in the Sustainability Implementation Group's letter to pharma for support

From the call in November of 2018 –

Clinical Trial Task Forces

- Volunteer effort will be needed to organize a trial; BC members are asked to volunteer for one of the following 3 groups by responding to RSNA Staff: Jlisiecki@rsna.org:
 1. **Trial Logistics Group** (led by Dr. Perlman)
 2. **QIBA Conformance Group** (led by Dr. Sunderland)
 3. **Data Definition Final Design Group** (led by Dr. Subramaniam)
- It is imperative that progress be made on the protocol definitions and trials design
- Dr. Perlman mentioned that BC members need to discuss ways to engage others who are needed to create the necessary infrastructure
 - Institutions are needed to share data from patients, and volunteers will be needed to do the readings
 - A platform is needed for volunteer readers to access/read and store analysis results, and a web-based one would be ideal
 - In-kind donations from different organizations would be most appreciated
 - Potential targets must be identified as well as image management, e.g. *AG Mednet, Triad?*
 - Data storage needs to be considered; it needs to be determined if the QIDW is a possibility
 - Image display stations must also be selected, such as *MIM, Hermes, or TeraRecon*
 - It was noted that Dr. Knopp recently finished working with Imaging Core Lab to collect data for an NIH study, and the data for 171 patients will be available at TCIA for additional analysis
 - It might be worthwhile to ask TCIA if they might be willing to collaborate

Action Items:

- All are asked to volunteer for Clinical Trial Task Forces by contacting RSNA Staff: jlisiecki@rsna.org
- The next call will focus on how to encourage Profile and Checklist use at clinical institutions
- Finalize a detailed trial design with a checklist for conformance
- Develop case report forms ([RedCap](#)) and reader manual

Nuclear Medicine Schedule:

The next scheduled QIBA calls will be as follows at **9 am CT** unless otherwise noted:

3/8	PET Amyloid BC
3/12	SPECT BC: TC ^{99m} @ 2pm CT
3/15	I-123 BC - TBD by co-chairs
3/22	NM Leadership – TBD
4/5	FDG-PET BC
4/9	SPECT BC: TC ^{99m} @ 2pm CT
4/12	PET Amyloid BC
4/19	I-123 BC - TBD by co-chairs
4/26	NM Coordinating Committee

RSNA Staff attempt to identify and capture all committee members participating on WebEx calls. However, if multiple callers join simultaneously or call in without logging on to the WebEx, identification is not possible. Call participants are welcome to contact RSNA staff at QIBA@RSNA.org if their attendance is not reflected on the call summaries.