

QIBA PET-Amyloid Biomarker Committee

Friday, December 11, 2020 at 9 AM CT

Call Summary

In attendance:

Dawn Matthews, MS (Co-chair)

Anne Smith, PhD (Co-chair)

Tammie Benzinger, MD, PhD

Orest Boyko, MD, PhD

Rachid Fahmi, MSc, PhD

Clara Ferreira

Norman Foster, MD

Adriaan Lammertsma, PhD

P. David Mozley, MD

Nancy Obuchowski, PhD

Lindsay Quandt, MS, MBA

Jean-Luc Vanderheyden, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Moderator: Ms. Matthews

DRO Progress:

- After testing the DRO iteration, it was discovered that an incorrect aspect ratio was used; so, adjustments have been made by Dr. Pierce and Mr. Byrd
- DRO was expanded to include an MRI and noise-free PET images
- The BC now has a usable form for conformance testing
- Ms. Matthews suggested that she, Drs. Smith, Pierce, and Ms. Ferreira have a call offline soon to finalize DRO testing, as Ms. Ferreira volunteered to do testing with GE software
- Additional DRO testing will help to get the Profile closer to the Technically Confirmed Stage and provide closure for the BC

Publishing the PET Amyloid Profile:

- The BC plans to draft a paper for peer-reviewed publication to better promote QIBA and use of the Profile
- Dr. Kinahan's [FDG-PET article](#) will be referenced for the QIBA Process and the article itself will serve as a template
 - The article included details about the QIBA Process, helpful tables, charts, and outlines
 - One of the most useful tables explains the statistics in an easy-to-understand manner for readers
 - The paper also outlines the structure of the Profile at-a-glance and provides examples of normative requirements, etc.
- Reviewing the BC's [2017 poster](#) could also be helpful, as the poster summarized main topics succinctly
- Collaborators on the paper were invited and the following volunteers have agreed:
 - Clara Ferreira (Section 5.4)
 - Norman L. Foster, MD (Section 2)
 - Dawn Matthews, MS
 - Nancy Obuchowski, PhD (Section 4)
 - Anne Smith, PhD (scanner and recon details)
 - Jean-Luc Vanderheyden, PhD (Section 5.1)
- RSNA Staff will follow up with volunteer authors with details
- Ms. Matthews to follow up with volunteer authors regarding their chosen sections
- Dr. Mozley offered some advice to writers suggesting the following:
 - It would be helpful to attribute any borrowed text to QIBA and the QIBA FDG-PET/CT BC
 - Volunteer authors are encouraged to draft text with initial ideas text, then polish their writing later
 - Dr. Mozley notes that timelines with realistic deadlines are critical to help maintain forward momentum
 - For a potential future Tau Profile, it may be possible to use "find" and "replace," using the PET Amyloid template as a starting point, with finer edits based on group discussion
 - If BC members are interested in joining a Tau BC, they are encouraged to email RSNA staff at QIBA@rsna.org.

Next meeting topics:

- Discuss progress on writing assignments with the PET Amyloid Profile-related manuscript
- Set the stage for a Tau Profile

Action items

- Dr. Fahmi and Ms. Ferreira to test the new DRO to make certain that the noise levels are correct
- Ms. Matthews to follow up with Dr. Pierce and Mr. Byrd
- Dr. Smith or Ms. Matthews to add a Profile note indicating that data are simulated to ensure that no questions are raised pertaining to HIPAA regulations
- Ms. Matthews to reformat the Profile checklist from Excel to Word for ease of use
- Team to start drafting Profile publication

QIBA Nuclear Medicine Schedule:

01/15	PET Amyloid BC @ 9 am CT
02/12	PET Amyloid BC @ 9 am CT
02/--	NM Coordinating Ctte - TBD