

## QIBA PET Amyloid Biomarker Committee

11 March 2016 at 9:00 AM CT (GMT-6)

### Call Summary

#### In attendance:

##### Co-chairs:

Eric Perlman, MD

Anne Smith, PhD

##### Participants:

Ronald Boellaard, PhD

Santiago (Santi) Bullich, PhD

John Hoffman, MD

Paul Kinahan, PhD, FIEEE

Gregory Klein, PhD

Dawn Matthews, MS, MBA

Esther Mena, PhD

Nancy Obuchowski, PhD

Amy Perkins, PhD

Annette Schmid, PhD

Sara Sheikbahaei, PhD

Rathan Subramaniam, MD, PhD

John Sunderland, PhD

Jean-Luc Vanderheyden, PhD

#### RSNA

Joe Koudelik

Julie Lisiecki

#### QIBA Round-6 Project Proposals

- Dr. Smith provided an overview of the request for Round-6 QIBA projects
- Drs. Kinahan and Sunderland are developing two additional amyloid projects for consideration
- PET Amyloid proposed projects will be discussed on the next call for the group, 4/8
- Project proposals (including budget detail) are due to QIBA by April 15<sup>th</sup>: [qiba@rsna.org](mailto:qiba@rsna.org)
- Nuclear Medicine Leadership will be meeting on Friday, March 25<sup>th</sup> to discuss project topics and planning

#### Current Project Updates

- Drs. Kinahan and Sunderland discussed their continued work on the DRO and amyloid physical phantom
  - Both plan to submit project proposals to make further enhancements for Round 6
  - Dr. Kinahan to invite all QIBA Nuclear Medicine members to test the FDG-PET MTV-DRO on UW's site

#### Profile

- The BC discussed knowledge gaps in the Profile
  - Gap 1: tracer update time differential between two measurement time points and the acceptable level of difference?
  - Gap 2: Conformance testing procedures for imaging sites and manufacturers needed
  - Gap 3: Reader variability assessment
  - Gap 4: (added after meeting): Scanner reconstruction & harmonization project
- What type(s) of conformance testing is needed?
  - E.g., sites, scanner vendors, analysis vendors, reader variability, etc.
  - Related to conformance, Drs. Boellaard and Vanderheyden to collaborate on a tracer project, perhaps including radiopharmaceutical vendors
- Patient handling section was also reviewed
  - Technical details of transformations and reconstructions
  - Subject motion
  - Image Analysis
  - Use of DROs
- Dr. Smith and Ms. Matthews reviewed their collaboration on the image analysis section. Slides with technical details from Dr. Smith and Ms. Matthews to be posted to the wiki, for reference.

---

#### Nuclear Medicine Calls:

- Mar 18: SPECT Biomarker Ctte
- Mar 25: [NM Leadership Only call](#)

#### SPECT Task Forces: (Tuesdays at 2 pm CT)

- Mar 15: Phantoms / DRO Group – *Drs. Dickson and Zimmerman*
  - Mar 22: Clinical / Literature Review – *Dr. Seibyl*
-