

## QIBA PET Amyloid Biomarker Committee

09 September 2016 at 9:00 AM CT (GMT-6)

### Draft Call Summary

#### In attendance:

Anne Smith, PhD (Co-Chair)

Rachid Fahmi, MSc, PhD

Rathan Subramaniam, MD, PhD, MPH

#### RSNA

Satoshi Minoshima, MD, PhD (Co-Chair)

Dawn Matthews, MS, MBA

Na Sun, PhD

Joe Koudelik

Eric Perlman, MD (Co-Chair)

Julie Lisiecki

#### Discussion of the following topics:

- Profile – status / timeline
- Conformance
  - Image analysis workstation
  - Image acquisition device
- NIBIB funded projects
  - Round 5 – final reports are due at the end of September
  - Round 6 – projects awarded (pending NIBIB COA)
- Poster for RSNA
  - Design work to be completed off-line, and a draft for review will be prepared for the October 14<sup>th</sup> call
- RSNA 2016 Annual Meeting
  - The QIBA Working Meeting will be held on **Wednesday, November 30<sup>th</sup> from 2:30 – 5 pm**
    - The Plenary focus at the QIBA Working Meeting will be QIBA's Relevance to Clinical Practice
    - QIBA breakout sessions for nuclear medicine will be held in one room again for those on multiple biomarker committees
- Strategic considerations beyond the Profile

#### QIBA Round-5 Project Reports due at the end of September

- Analyses to Support Amyloid Imaging Profile Development (Ms. Matthews)
- Biologic and Reader Repeatability of FDG and CT Volumetric Parameters, ACRIN 6678 & MERCK (Dr. Subramaniam)
- Amyloid Brain PET Test-Retest Meta-analysis (Dr. Subramaniam)
- A PET-Metabolic Tumor-Volume-Digital Reference Object, PET-MTV-DRO (Dr. Kinahan)
- A Procedure to Facilitate Greater Standardization of PET Spatial Resolution (Dr. Lodge)
- To see Round-6 approved projects, visit the Steering Committee page on the QIBA [wiki](#)

#### Profile: Next Steps and Milestones:

- Have current version of DRO read by radiologist (UW and Dr. Subramaniam)
- Make requested changes to DRO based on radiologist feedback
- Constrain what DRO tests in optimal way
  - Single Gaussian filter value for smoothing? (Currently set at 6 mm FWHM)
  - Only one patient morphology will be tested (no time to segment another MRI volume)
  - Decide whether anatomical regions will be specified
  - Decide whether region boundaries will be specified
  - Decide whether test needs to report an overlay of the target and reference regions on the DRO
  - MRI will be provided with the DRO series
  - Should multiple realizations include simulation of patient movement?
- Develop limited initial series of DROs and test on IAWs
- Based on feedback, updated DRO series and Profile IAW Conformance Section of Profile

Previous QIBA Posters at RSNA Annual Meetings (posted to wiki): <http://qibawiki.rsna.org/index.php/Education>

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**September & October Nuclear Medicine WebEx Schedule**

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<b>Committees (Fridays, 9 am CT):</b>	<b>SPECT Task Forces: (Tuesdays, 2 pm CT)</b>
<b>Sept 16:</b> SPECT BC <b>Sept 23:</b> Combined NM BCs <i>or</i> Leadership - <b>TBD</b> <b>Sept 30:</b> Tentative hold for PET Amyloid	<b>Sept 13:</b> Quantitative / Image Analysis – <i>Drs. Miyaoka and Seibyl</i> <b>Sept 20:</b> DRAFT Claim <b>Sept 27:</b> FINALIZE Claim
<b>Oct 07:</b> FDG-PET BC <b>Oct 14:</b> Amyloid BC <b>Oct 21:</b> SPECT BC <b>Oct 28:</b> <b>NM CC @ 9:00 am CT (Friday)</b>	<b>Oct 04:</b> Image Acquisition / Processing for DaTscan – Dr. Dewaraja <b>Oct 11:</b> Quantitative / Image Analysis – <i>Drs. Miyaoka and Seibyl</i> <b>Oct 18:</b> Phantoms / DRO Group – <i>Drs. Dickson and Zimmerman</i>