

## QIBA PET Amyloid Biomarker Committee

10 June 2016 at 9:00 AM CT (GMT-6)

*Draft Call Summary*

### In attendance:

*Eric Perlman, MD (Co-Chair)*

*Anne Smith, PhD (Co-Chair)*

Orest Boyko, MD, PhD

Paul Kinahan, PhD

Gregory Klein, PhD

Martin Lodge, PhD

Dawn Matthews, MS, MBA

Nancy Obuchowski, PhD

Amy Perkins, PhD

Sara Sheikhabahaei, PhD

Jean-Luc Vanderheyden, PhD

### RSNA

Fiona Miller

Julie Lisiecki

### Claim Discussion

- For Committee consideration is the use of 5-8% for the repeatability coefficient in the claim
- Feedback needed from radiopharmaceutical tracer manufacturers regarding the feasibility of this range
- Amyloid BC members to try to meet with radiopharmaceutical tracer representatives at SNMMI
  - Dr. Smith will follow up via letter / email to obtain input
  - Meanwhile, group members are working to reconcile additional gaps for the Profile
- Dr. Obuchowski shared a guidance document she has prepared for the Process Committee (not yet released) that will function as a worksheet an Image Analysis Workstation (or Workstation-User) actor can use to test conformance with the Profile for precision and bias, depending on the type of claim being tested
- The Amyloid BC Profile will include a provision to test for linearity and precision, but not bias, as the claim is not cross-sectional

### Image Analysis Workstation Conformance Task Force

- Ms. Matthews and Dr. Obuchowski are working together to develop an Image Analysis Workstation Conformance procedure for Section 4 of the Profile
- Criteria needed to assess image analysis workstation software packages for conformance
- Dr. Klein to ask Data Spectrum and ADNI whether the 90 slice version of the Hoffman phantom can be used for conformance testing
- Dr. Kinahan to continue work on the “full brain” DRO for testing

### Tabled for next call:

- Discussion of Dr. Lodge’s project
- Update from Dr. Smith and Ms. Matthews on head motion progress

[PDF of Dr. Smith’s PowerPoint slides – available on QIBA wiki](#)

### Action items:

- Dr. Kinahan will distribute a link to UW’s digital representation of the Hoffman Brain Phantom
- Dr. Klein will check whether the group can use the 90-slice digital representation of the Hoffman Brain Phantom for Conformance testing
- Dr. Perlman will send out the list of open Physics issues to the group
- Dr. Smith will set up a Physics meeting in June, with current invitee list of Lodge, Boellaard, Hoffman, and co-chairs (others welcome to join!)
- Dr. Smith will set up an Image Analysis Conformance meeting next week, and reach out to other Image Analysis vendors to participate
- Dr. Smith will send an email to GE, Lilly, Piramal and Navidea QIBA representatives, asking for feedback on the current version of the Claim
- RSNA staff to set up a Doodle poll for multi-hour meeting in July, to help close out the Publicly Reviewed version of the Profile

[Link to PDF for PowerPoint Slides from 6/10 Amyloid BC WebEx](#)

<i>JUNE and JULY Nuclear Medicine WebEx Schedule</i>	
<b>Committees (Fridays, 9 am CT):</b>	<b>SPECT Task Forces: (Tuesdays, 2 pm CT)</b>
<ul style="list-style-type: none"> <li>• June 17: SPECT BC cancelled 6/1</li> <li>• June 24: Combined NM BCs (TBD)</li> </ul>	<ul style="list-style-type: none"> <li>• <del>June 14: Quantitative / Image Analysis – Drs. Miyaoka and Seibyl</del></li> <li>• <del>June 21: Phantoms / DRO Group – Drs. Dickson and Zimmerman</del></li> <li>• <del>June 28: Clinical / Literature Review – Dr. Seibyl</del></li> </ul>
<ul style="list-style-type: none"> <li>• July 01: FDG-PET BC</li> <li>• July 08: Amyloid BC</li> <li>• July 15: SPECT BC</li> <li>• July 22: Combined NM BCs (TBD)</li> </ul>	<ul style="list-style-type: none"> <li>• July 05: Image Acquisition / Processing for DaTscan – Dr. Dewaraja</li> <li>• July 12: Quantitative / Image Analysis – Drs. Miyaoka and Seibyl</li> <li>• July 19: Phantoms / DRO Group – Drs. Dickson and Zimmerman</li> <li>• July 26: Clinical / Literature Review – Dr. Seibyl (TBD)</li> </ul>