

QIBA PET Amyloid Biomarker Committee

11 September 2015 at 9:00 AM CT (GMT-6)

Call Summary

In attendance:

Co-chairs:

Eric Perlman, MD
Anne Smith, PhD

Participants:

Ronald Boellaard, PhD
Susan M. De Santi, PhD
Kirk Frey, MD, PhD
Albert Guvenis, PhD
Paul Kinahan, PhD, FIEEE
Gregory Klein, PhD
Martin A. Lodge, PhD

Dawn C. Matthews, MS, MBA
Nancy Obuchowski, PhD
Amy Perkins, PhD
Rathan Subramaniam, MD, PhD, MPH
Jean-Luc Vanderheyden, PhD
Brian Zimmerman, PhD

RSNA

Julie Lisiecki

Final Reports for Round 4 Update

- NIBIB YR 4 project final reports have been submitted:
 - PET Amyloid brain physical phantom (Dr. Sunderland)
 - PET Amyloid brain DRO / phantom (Dr. Kinahan)
- Project updates are being considered as part of the content for the QIBA Amyloid PET poster to be created for RSNA 2015

NIBIB YR 5

- Funding decision expected mid - September 2015
 - An upcoming nuclear medicine call will be scheduled for discussion / review of projects

QIBA Working Meeting at RSNA 2015

- Wednesday, December 2nd from 2:30 – 5:30 pm CT
- An abbreviated plenary session is being planned in favor of more time being allotted for Breakout Session for the Biomarker Committees
- Nuclear Medicine is considering the utility of an “overall” breakout session to share lessons learned and other in common discussion points, followed by further breakouts into respective biomarker committees
- “Conformance” was suggested as an important discussion topic that would apply to all BCs

QIBA Biomarker Committee Posters at RSNA 2015

- Each Biomarker Committee will be allowed one poster at this time
- The deadline for a complete ready-to-print PowerPoint file to be emailed to RSNA Staff is **Friday, October 30th**
- Members who would like to contribute to the Amyloid BC poster or who have suggestions on content that should be included, please send details to the co-chairs:
 - Dr. Perlman – ericperlman@gmail.com
 - Dr. Minoshima – satoshi.minoshima@hsc.utah.edu
 - Dr. Smith - Anne.M.Smith@siemens.com
- Posters from previous RSNA meetings are available on the [QIBA wiki](#)

Profile Revision Work

- The most recent version of the Profile was distributed to the group in June for review and comment
- It has been determined that the Profile will focus only on a longitudinal claim
- Dr. Perlman is incorporating individual comments from spreadsheets into a summary spreadsheet
- Several other reviewer comments are pending

- Claim revisions are to be informed by:
 - Work from the test-retest group (Dr. Subramaniam)
 - Meta-analysis utilizing accepted metrology terminology
- The QIBA Process Committee is working on a new Profile Template –
 - How changes will be incorporated is under consideration
- Data analysis strategies were discussed by Drs. Obuchowski and Subramaniam
- Dr. De Santi stressed that language edits will be needed regarding the standard use of quantification of radiotracer analysis in clinical practice since this is not a label approved methodology (e.g., lines 132 – 136 of the draft Profile).
 - The language regarding “subsequent usefulness in clinical practice” may require softening, as regulatory criteria are distinctive regarding the differences between research purposes vs. uses for clinical practice
 - While techniques for acquisition may be similar, image analysis for clinical practice as currently approved is qualitative while research is pursuing quantitative analysis
- Dr. Boellaard will provide text regarding the issue of brain perfusion changes within a subject across imaging time points and how this could cause ‘false’ changes in SUVR for the longitudinal Claim
- An estimated target date to release Profile for the next round of comment is December 2015
- It is anticipated that the Profile can be prepared for public comment by March 2016
- An additional Profile review call will likely be scheduled for the fall

Upcoming Nuclear Medicine Calls (Fridays, 9 am CT):

September:

- Sept 25: [SPECT BC \(tentative\)](#)
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October:

- Oct 2: FDG-PET BC
 - Oct 9: Amyloid BC
 - Oct 16: SPECT BC
 - Oct 23: [Combined NM BCs](#)
 - Oct 30: *Optional Poster call, if needed* (deadline for PPT file to RSNA)
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November:

- Nov 6: FDG-PET BC
 - Nov 13: Amyloid BC
 - Nov 20: SPECT BC
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December:

- Dec 11: FDG-PET BC (?) **or** Amyloid BC (?)
- Dec 18: Amyloid BC (?) **or** SPECT BC (?)