Call Summary

In attendance: RSNA

Co-chairs:
Satoshi Minoshima, MD, PhD
John Hoffman, MD
Amy Perkins, PhD

Eric Perlman, MD
Paul Kinahan, PhD, FIEEE
Sandra Sanabria, PhD

Anne Smith, PhD
Gregory Klein, PhD
Rathan Subramaniam, MD, PhD

Participants:
Adriaan Lammertsma, PhD
Daniel Sullivan, MD

Christopher Buckley, PhD
Dawn Matthews, MS, MBA
Jean-Luc Vanderheyden, PhD

Santiago (Santi) Bullich, PhD
P. David Mozley, MD
Richard Wahl, MD, FACR

Susan De Santi, PhD
Nancy Obuchowski, PhD
Brian Zimmerman, PhD

Call Summary Points and Action Items:

- Dr. Kinahan provided a Round-4 project update
  - The Amyloid physical phantom and DRO projects are on track; a database to use in conjunction with the phantom has been procured via the University of Washington

- A statistical expert is needed to help with analysis of the meta-analysis toward informing the Profile claim language

- The most current version of the Profile is Version 0.09, 24 November 2014

- Dr. Subramaniam is in the process of conducting a meta-analysis on 700+ articles
  - Data will be extracted for the analysis and will likely take 4-5 weeks, with a focus on repeatability coefficients and tracer identification
  - Goal is to find commonalities among tracers with 3 prominent contenders
    - The top three tracers will be analyzed for their respective pros and cons and reviewed for manufacturer protocols

- The Hoffman phantom (and possibly uniformity & resolution phantoms will be used as standards in Profile version 1.0.

- Compliance and field testing issues will need to be addressed more completely as Profile writing continues. Consider inviting lead members of CT Volumetry committee on future teleconference to present their work on field testing.

- Discussed writing Profile using small teams, and these are current sub-groups and members
  - Claims Sub-group (test-retest, meta-analysis)
    - Dr. Rathan Subramaniam (plus others at Johns Hopkins)
    - Dr. Kirk Frey
    - Dr. Nancy Obuchowski
  - Image Analysis Sub-group
    - Ms. Dawn Matthews (team lead)
    - Dr. Satoshi Minoshima
  - Site Certification Sub-group
- Dr. Greg Klein (team lead)
- Dr. Paul Kinahan
- Dr. John Sunderland (volunteered, needs to accept)
- Dr. Ronald Boellaard (volunteered, needs to accept)
- Dr. Anne Smith

**AICED PET Registry – CMS Proposal (Dr. Minoshima)**
- Awaiting response from CMS
- Issues of site and reader qualification to be determined

**2015 Human Amyloid Imaging (HAI) Conference Update (Dr. Smith)**
- Interesting statistic from the conference: A Lilly Amyloid therapeutic is projected to reach market by 2018; yearly treatment cost per patient expected to be $20,000

Request for committee members to provide chairpersons information regarding how outside activities in Amyloid PET and Alzheimer’s disease community might impact needed revisions or additions to Profile content.

**Upcoming Proposed Nuclear Medicine Calls (Fridays, 9 am CT):**
- **February 6:** SPECT Task Force (FDG-PET Biomarker Committee members invited)
- **February 13:** PET Amyloid Biomarker Ctte
- **February 20:** SPECT Task Force
- **February 27:** PET Amyloid Biomarker Ctte