In attendance:

Richard Wahl, MD (Moderator)  Michael King, PhD, DABR  Eric Perlman, MD  Fiona Miller
Hubert Beaumont, PhD  Gregory Klein, PhD  John Seibyl, MD, CEO  Joe Koudelik
Ronald Boellaard, PhD  Richard Laforest, PhD  Daniel Sullivan, MD  Julie Lisiecki
Orest Boyko, MD, PhD  Adriaan Lammertsma, PhD  John Sunderland, MD
Janice Campbell, PhD  Michael Lassman, PhD  Zsolt Szabo, MD, PhD
Ming-Kai Chen, MD, PhD  William C. (Rusty) Lavely, MD, CMO  Pierre Tervé, MS
Yuni Dewaraja, PhD  Michael Ljungberg, PhD  Huseyin Toré, MD
Edward A. Eikman, MD  Lawrence (Larry) MacDonald, PhD  Irene Torres, PhD
Eric Frey, PhD  Robert Miyaoka, PhD  Benjamin Tsui, PhD
Howard Higley, PhD  Aaron Nelson, MD  Timothy Turkington, PhD
John Hoffman, MD  Nancy Obuchowski, PhD  Jeffrey Yap, PhD
Brian Hutton, PhD  Amy Perkins, PhD  Brian Zimmerman, PhD
Paul Kinahan, PhD, FIEEE  

Moderator: Dr. Richard Wahl

Quantitative SPECT Biomarker Exploratory Discussion

1. Introduction to QIBA efforts
2. Example of Profile, FDG PET
3. Exploratory Call on SPECT: Review of 10-10/14 call
4. Review of commercial SPECT products
5. Review of recent documents on Q SPECT/brain: EANM, DAT Scan, etc.
6. Review of recent documents on QSPECT/body/dosimetry: JNM/ MIRD
7. Possible “claims”
   a) Measurement of a large organ ABSOLUTE radioactivity concentration (e.g., liver):
      - Quantitative uptake of radiotracer, such as TcMAA for dosimetry to liver or tumor/organ dosimetry
      - (Dr. Frey or Dr. Dewaraja?)
   b) Measurement of relative or ABSOLUTE radioactivity concentration, or ratios in a small structure: e.g., Striatum for DAT scan (Dr. Seibyl?)
   c) Thyroid or thyroid cancer (Dr. Lassmann?)
   d) Other claims: clinical or research?
   e) Do we need a claim?
      - i.e., Amyloid claims are still evolving for the Amyloid PET Biomarker Committee
8. Is there interest in forming a task force (writing group)?
9. Who is willing to join an unpaid, overworked, coalition of the willing to take on this task?
10. Next steps?
    - Monthly calls
    - Literature review
Recommended References:
- Links to documents for SPECT in general and I-131:
  - Dr. Dewaraja is currently working on the Lu-177 document with EANM colleagues.
    - [http://jnm.snmjournals.org/content/53/8/1310.long](http://jnm.snmjournals.org/content/53/8/1310.long)
    - [http://jnm.snmjournals.org/content/54/12/2182.long](http://jnm.snmjournals.org/content/54/12/2182.long)

Citations:


Doodle Poll Follow Up: Those on today’s call will be polled to respond if they would like to join this QIBA SPECT Task Force and participate on regular calls.

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