

QIBA (proposed) SPECT Biomarker Committee

Friday, April 17, 2014, 9 AM (CT)

Draft Call Summary

In attendance:

Richard Wahl, MD (Moderator)

Anna Celler, PhD

Yuni Dewaraja, PhD

Brian Hutton, PhD

Edward F. Jackson, PhD

Paul Kinahan, PhD, FIEEE

Michael King, PhD, DABR

Michael Lassmann, PhD

Manuela Matesan, MD, PhD

Robert Miyaoka, PhD

P. David Mozley, MD

Aaron Nelson, MD

Nancy Obuchowski, PhD

Amy Perkins, PhD

Eric Perlman, MD

John Seibyl, MD

Anne M. Smith, PhD

Eli Stern, BSc, MBA

Benjamin M. W. Tsui, PhD

Brian Zimmerman, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Moderator: Dr. Richard Wahl

Discussion Topics

- Dr. Dewaraja summarized the data on organ dosimetry with Tc99m, in part based on her work on the MIRDC committee.
- Dr. Kinahan gave an overview of the Quantitative SPECT domain as a potential “biomarker” per QIBA biomarker criteria definitions
- Feedback was requested from the group so that a proposal may be brought to the May 5th QIBA Steering Committee Meeting. RSNA Staff will re-distribute the draft request for SPECT biomarker status for review.
- Determining answers to some of the following questions will be helpful:
 - What are the commonalities across the two sub-claims (within DaTscan for small organs and dosimetry for large tumors)?
 - What kind of groundwork projects are needed based on technical knowledge gaps identified within the literature?
 - Will there be a common measurand to encompass both sub-claims?
 - How will confidence intervals around the selected measurements be determined?
 - Could phantom utility play a role in determining applications across other tracers?
- Regarding biomarker committee organization: This will be a volunteer effort, and commitment from participants will be needed for its success.
 - Who will lead this effort?
 - Three co-chairs for the group would be desirable: one each from academia, clinical work, and industry.
 - Who will act as Profile Editor?
 - Use-cases need to be identified
 - Any interested parties are asked to contact Drs. Kinahan, Perlman, or Wahl:
kinahan@uw.edu; ericperlman@gmail.com; wahlr@mir.wustl.edu

Proposed May Nuclear Medicine Calls (Fridays, 9 am CT):

- **May 1:** FDG-PET Biomarker Ctte
- **May 8:** No call (day after the QIBA Annual Meeting)
- **May 15:** **Combined Nuclear Medicine Call Update** (FDG-PET, Amyloid, SPECT (?))
- **May 22:** Amyloid Biomarker Ctte
- **May 29:** (proposed) SPECT Biomarker Ctte

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