

QIBA SPECT TC^{99m} Biomarker Committee (BC) Call
Tuesday, August 11, 2020, 2 PM (CT)
Call Summary

In attendance:

Yuni Dewaraja, PhD (Co-chair)
Robert Miyaoka, PhD (Co-Chair)
Denis Bergeron, PhD

John Dickson, PhD
Annelise Malkus, PhD
P. David Mozley, MD

A. Hans Vija, PhD
Brian Zimmerman, PhD

RSNA Staff

Joe Koudelik
Julie Lisiecki

Moderator: Dr. Miyaoka

SPECT TC^{99m} Profile Public Comment – Feedback Resolution Update

- Dr. Miyaoka reviewed two additional AAPM comments that were addressed
- Profile v 1.0 is now complete and available for use on the [QIBA wiki](#)
- Dr. Miyaoka to provide an updated copy of the [comment resolution sheet](#) for posting to the QIBA wiki
- Changes have been saved and a copy with all changes is available on the Dropbox

Next steps discussed:

- Possibility of a feasibility test using the Profile checklist; at least two sites would be needed
- Dr. Miyaoka volunteered his team to test the checklist at the University of Washington
- Pharma and CRO contacts were encouraged to review the checklist and provide feedback
- Dr. Mozley said he has finished testing the Profile in a pharma trial using four phantoms, but data will not be available for release for some time, due to legal agreements
 - Test-retest subject data will eventually be available; five subjects were scanned twice, in addition to small specially sized bottle phantoms
 - NIST protocols were followed for radioactivity and dose calibration re: the phantom fill solution
- Dr. Mozley also mentioned two potential NIH proposals that could yield additional data
- Dr. Zimmerman reminded anyone doing testing to make certain to use NIST or NIST-traceable phantoms / solutions and to document everything carefully, keeping track of any anomalies
 - He also mentioned that when doing transfers between geometries or making dilutions; any changes/modifications should be well documented to assure traceability
- Though additional scanning and feasibility testing would be desirable, the group acknowledged that it may be difficult, due to pandemic limitations on research activities
- Dr. Dickson suggested considering a future Profile for lutetium, as there is much interest in this area
- Dr. Miyaoka inquired about the proposed PET Cardiac Profile
 - Although no progress has been reported, Dr. Smith was recommended as a contact for follow up
- Amendments to existing Profiles were another option discussed, as the FDG-PET BC has suggested adding appendices for additional PSMA and Gallium tracers
- More discussion regarding these topics will likely occur at the upcoming Nuclear Medicine Coordinating Committee call on August 27th at 2 pm CT
- A future call for the TC^{99m} BC may be planned to discuss Dr. Mozley's research and site Profile feedback when data are available
- Dr. Mozley reminded all members to utilize the Profile in their own work and to encourage colleagues to do so as well

Next BC call – TBD, if a call is needed