

QIBA SPECT TC^{99m} Biomarker Committee (BC) Call
Tuesday, May 14, 2019, 2 PM (CT)
Call Summary

In attendance:

Yuni Dewaraja, PhD (Co-Chair)
Denis Bergeron, PhD

David Mirando
P. David Mozley, MD

Nancy Obuchowski, PhD
Kevin O'Donnell, MASC

RSNA Staff

Joe Koudelik
Julie Lisiecki

Moderator: Dr. Mozley

Timeline for TC^{99m} BC Profile:

- **2Q2019:** Goal is to finalize the Profile for public comment release by the QIBA Annual Meeting in June 2019
- **3Q2019:** Start public comment phase
- **4Q2019:** Conformance (feasibility) testing
 - **By November 1, 2019,** aim to have conformance testing complete in order to turn the page by the QIBA Working Meeting at RSNA 2019

Discussion: Sections Needing Work:

- Table 3.5.2, Discussion regarding 8% bias target
 - For a uniform phantom, bias must be less than 8% - Refer to section 4.8 to measure percent bias
 - Making changes now would require re-working the claims, which would impede progress
 - Consensus is to stay with 8% until new data or public comments require tightening tolerance
- Paragraph 507, image voxel size
 - It was determined that image voxel size should not be larger than 5 mm
- Overall Profile voice
 - Performance requirements should be changed to active voice; "shall" language is needed
 - Approximately 1/3 of the requirements are now in active voice, so adjustments are needed
- Section 3.13 – Image Analysis
 - Due to lack of resources to develop a new phantom, the previously validated XCAT phantom was recommended as a viable solution despite significant costs for commercial use
- Comments provided by Mr. O'Donnell were addressed

- Appendix D: Model specific instructions and parameters need to be filled in for the tables
- Appendix E: Conformance Checklists - Decide on actors and need for separate checklists for each

Work Assignment Updates for Section Editors:

- Claims sans CVs: Drs. David Mozley/Nancy Obuchowski, et al (mozley@gmail.com) - *complete*
- Image acquisition: Dr. Yuni Dewaraja, et al (yuni@med.umich.edu) – *nearly complete*
- Image recon: Dr. Eric Frey, et al (efrey@jhmi.edu) - *complete*
- Image analysis: Dr. Robert Miyaoka, et al (rmiyaoka@uw.edu) – *nearly complete*
- QA: Drs. Denis Bergeron/Brian Zimmerman, et al (denis.bergeron@nist.gov) - *complete*

Next steps

- All are asked to review their respective comments and resolve them
- Appendix E: Conformance Checklists - Decide on actors and separate checklists for each

Next call – TBD. There will be no call in June due to proximity to the QIBA Annual Meeting.