

QIBA PET-Amyloid Profile Task Force (TF)
Tuesday, August 24, 2021, at 11 AM CT
Draft Call Summary

In attendance:

Dawn Matthews, MS, MBA (Co-chair)

Anne Smith, PhD (Co-chair)

Tammie Benzinger, MD, PhD

Timothy J. Hall, PhD

John Sunderland, PhD

Dean F. Wong, MD, PhD

Gudrun Zahlmann, PhD

RSNA

Julie Lisiecki

Discussion

- TF members reviewed feedback from the survey checklist received from Iowa and WUSTL, and discussed whether certain requirements could be dropped if there was no quantitative impact on the claim
- Some safety issues, e.g., checking the gantry covers in the tunnel and patient handling procedures could be removed from the checklist / Profile, as they are assumed well understood in the community and do not impact the claim
- Radionuclide calibrator procedures are recommended annually but, many sites do not comply
 - Might be good to leave in as this is helpful for better performance
 - Suggested to include NIST standard terminology (mandatory) and all NRC requirements
 - SUVR vs. DVR measurements were discussed
 - Agreed to leave in uniformity and calibration tests
- Highlighting items using color for quick visual ID was suggested, e.g., **required** (white box) and **recommended** (grey box)
- SNMMI members have access to a phantom analysis tool for radial uniformity
 - Adding a note about this tool in the Profile / checklist to be considered
- Will need to modify Hoffman phantom requirement as its high cost may be a barrier
- Other phantoms, such as ACR and NEMA phantoms suggested
 - Will need to clarify phantom and metrics needed to satisfy requirements
- Dr. Sunderland and Ms. Matthews to discuss offline re: longitudinal aspects of variability and SUVR measurements on the claim
- Dr. Sunderland emphasized that the Profile must be focused on a (1) target audience and (2) specific use case
 - Target the “lowest of the low” clinical sites to get broadest benefit of implementation
 - Keep both use cases in mind, (clinical care and clinical trials) and adjust the checklist for relevance
- Incorporating ADNI requirements suggested
- Need criteria for quantitative assessment that meets the criteria associated with an accreditation body
 - Coefficient of variation to be tuned to objective activity

Next call topics:

- Review Dr. Benzinger’s site feedback and suggestion to modify performance tolerances
- Review outcomes and progress
- Have agenda to cover specific topics (Ms. Matthews)

Action items (ongoing) – aim to complete by September BC call

- Dr. Smith or Ms. Matthews to add a Profile note indicating that data are simulated for HIPAA regulations
- Ms. Matthews to reformat the Profile checklist from Excel to Word for ease of use
- Co-chairs to finalize feasibility questionnaire and discuss Mr. O’Donnell’s suggestions

Next TF call – TBD via doodle poll {2-3 weeks}