

QIBA CT Volumetry Biomarker Committee (BC)

26 May 2022 at 11 AM (CT)

Call Summary

In attendance

Ritu Gill, MD, MPH (Co-Chair)

Rudresh Jarecha, MBBS, DNB, DMRE (Co-Chair)

Ehsan Samei, PhD (Co-Chair)

Rick Avila, MS

Heang-Ping Chan, PhD

Hyun Grace Kim, PhD

Claudia Kirsch, MD

Mathis Konrad, MSc

James Mulshine, MD

Jayant Narang, MD

Kevin O'Donnell, MASc

Nicholas Petrick, PhD

Ying Tang, PhD

RSNA

Julie Lisiecki

Moderator: Dr. Samei

Discussion Topics:

- Profile wordsmithing: scope of claims
- Non-solid vs. part solid tumors
- Addressing variability terms and radiologist effect

Decisions/Action items:

- Adjustments to be made to streamlined Profile per discussion on the call for normative requirements
- Mr. O'Donnell to post the streamlined Profile version on the BC wiki page
- Movement from qualitative to quantitative language informs decision-making in a more objective manner
- Suggestion to build use cases for the payers (future Profile version)
- Population health is an important area of focus; outcomes must be considered more carefully in combination with process
- Consider guidance or training data going forward for radiologists to become better "quantitators"
- Other questions to consider:
 - Should the Profile retain repeatability requirements for the radiologist?
 - Should a test of bias and linearity be added?
- Dr. Obuchowski's expertise will be needed for the Claim Confirmation (Stage 4) study design
- Hurdle remains obtaining the test-retest data due to subject exposure to ionizing radiation
- All to send any additional topics for discussion to Julie / RSNA staff for end of June call: qiba@rsna.org.

Ongoing action items (not certain if complete):

- Mr. O'Donnell to create a shared Google doc for brainstorming ideas for the next stage
- Mr. O'Donnell to add AAPM open-source software links to the Profile or for use on the wiki and to link a Google document that lists acceptable phantoms for the Profile for reference
- Mr. O'Donnell to consult Dr. Obuchowski if a revised coefficient of variation is needed
- Profile change log suggested for future versions

Next Call: to be determined via doodle poll (approximately one month from now) –
Wednesday, June 29th at 2 pm CT