

## QIBA CT Angiography Biomarker Committee (BC) Call

6 December 2022 at 11 AM CT

### Call Summary

#### In Attendance

Andrew Buckler, PhD (Co-Chair)

Suhny Abbara, MD

Julius L. Decano, MD

Márton Kolossváry, PhD

Mathis Konrad, MSc

Hugo Marques, MD, PhD

Nancy Obuchowski, PhD

Ehsan Samei, PhD

Todd Villines, MD-INMD

Michelle Williams, MBChB, PhD...

#### RSNA Staff

Joe Koudelik

Julie Lisiecki

**Moderator:** Andrew Buckler, PhD

#### Discussion topics:

- Review of Profile edits made
- Review of feasibility testing feedback from three sites
- Planning for a vote for Profile Stage 3 (Clinically Feasible)

#### Profile edits reviewed:

- The Profile has been transferred to the new streamlined Profile template, with an actor-based format
- Dr. Samei is working on a web interface for the algorithm
- Supported measurands have been extended
- Addition of the histology-defined, high-risk, plaque phenotype classification
- Field test results have been collected for carotid and coronary scanning / performance requirements
- Dr. Samei to draft instructional text regarding imQuest usage for Section 4.1 and 4.2
  - Closing paragraph also needed regarding what users can do if they fail these sections
- A few remaining issues were discussed
  - kVp statement to be adjusted for patient size (signal to noise ratio)
    - Dr. Samei to provide some text
    - Interaction text to be provided by Dr. Marques
  - In-plane resolution
  - Breath hold
  - Spatial resolution for pixel

#### Decisions / Action items (some ongoing):

- [RSNA Staff](#) to distribute streamlined Profile to group members on last 3 calls
- [RSNA Staff](#) to prepare ballot for advancement of Profile to Stage 3 (Clinically Feasible) for next call
- [Dr. Samei](#) to add phantom direction scanner placement to imQuest analysis software
- [Dr. Samei](#) to send paper citation to Dr. Buckler
- [Dr. Buckler](#) to update and distribute checklist in Excel spreadsheet format
- [Dr. Buckler](#) to share details re: Metrology articles
- Questions or comments regarding the Profile may be directed to: [Drs. Buckler](#), [Saba](#), and [Schoepf](#).

#### Links for more information:

- [Profile Stages](#) | [CTA Profile \(March 2020 version\)](#) | [Public Comment Resolution Page](#)
- [CTA BC wiki](#) | [FDA Medical Device Development Tools](#)

**Next call:** Tuesday, January 10<sup>th</sup> at 11 am CT