

QIBA Multi-disciplinary collaboration for plaque imaging by CT angiography

Introductory call

13 March 2018 at 11 AM CT

Call Summary

On Call			RSNA Staff
Andrew J. Buckler, MS (Moderator)	Laura Jimenez –Juan, MD, PhD	Kevin O'Donnell, MASc	Fiona Miller
James Kevin DeMarco, MD	Peter Kitslaar, MSc	Eric Perlman, MD	Joe Koudelik
Taylor Duguay, BS	Pál Maurovich-Horvat, MD	Sarah Rinehart, MD	Julie Lisiecki
Maros Ferencik, MD, PhD	Alan Moody, MBBS, FRCP, FRCR	Luca Saba, MD	
Alexander Guimaraes, MD, PhD	Nancy Obuchowski, PhD	Marly van Assen, MSc	
Rudresh Jarecha, MBBS, DNB, DMRE			

Introductions:

- Mr. Buckler invited participants to introduce themselves and provide details regarding their experience with plaque imaging

Overview:

- Mr. Buckler provided background information about RSNA's *Quantitative Imaging Biomarkers Alliance (QIBA)* and shared a presentation on [Industrializing Biomarkers](#), created by Mr. O'Donnell, Co-Chair of the QIBA Process Committee

For a general overview of QIBA, please visit these links:

- QIBA Website: <http://www.rsna.org/QIBA/>
- QIBA Wiki: <http://qibawiki.rsna.org>
- Most QIBA Profiles have been single modality-based; however, if approved, a Profile for multi-modality plaque imaging (starting with CT angiography) would be a novel use case.
- Methodologies that balance complexity with modality focus under consideration include:
 - Coronary computed tomography angiography (CCTA)
 - CT angiography (CTA)
- Using the QIBA Process, QIBA Profiles seek to reduce bias and variability in measurements and find ways to mitigate them
- Sources of variance may include the following:
 - Patient (prep and biology)
 - protocol
 - imaging site
 - hardware
 - diagnostic tools / software

Action items:

- All participants on the call are asked to fill in sections of the *QIBA key criteria for identifying biomarker opportunities form* and return to Mr. Buckler (Andrew.Buckler@elucidbio.com) or to RSNA Staff (jlisiecki@rsna.org) by March 20th
- A timeline was established to move the draft of the biomarker committee proposal forward and is as follows:
 - **3/20:** Solicit feedback from potential CT Angio TF members (1 week needed)
 - **3/27:** Mr. Buckler to merge content received into a single form (1 week needed) and re-circulate to CT Angio TF members for final review/feedback
 - **4/3:** Member review/feedback to Mr. Buckler (1 week needed)
 - **4/10:** Mr. Buckler to collate and address feedback, and draft a final version for submission to RSNA Staff (for QIBA Steering Committee review on the April 19th call)

Next call: TBD