

QIBA CT Volumetry Biomarker Ctte (BC) Call

19 December 2016 at 11 AM CT

Draft Call Summary

In attendance:			RSNA:
Gregory Goldmacher, MD, PhD, MBA (Co-Chair)	Heang-Ping Chan, PhD	Nancy Obuchowski, PhD	Julie Lisiecki
Jenifer Siegelman MD, MPH (Co-Chair)	Lubomir Hadjiiski, PhD	Nicholas Petrick, PhD	
Samuel Armato III, PhD	Rudresh Jarecha, MBBS	Marthony Robins, PhD	
Rick Avila, MS	Claudia Kirsch, MD	Na Sun, PhD	
Andrew Buckler, MS	Eleni Liapi, MD, ScM	Ying Tang, PhD	
	Kevin O'Donnell, MASc	Binsheng Zhao, DSc	

Profile Checklist / Feasibility Test Updates

- Two feasibility tests have been initiated by Columbia and Duke
- Columbia:*
 - Phantom scans are needed, as described in section 4.1 – 4.3 of the Profile, using the ACR CTAP phantom
 - It was noted that clinical scans may not be feasible for the test, due to required permissions
- Duke:*
 - Needs to fill in vendor make / model / version information
 - They will ensure that the RIDER dataset can be easily found on the QIDW so that other sites can perform conformance testing
- Additional suggestions:
 - Expand the Excel spreadsheet in the data bundle on the QIDW for ease of checking conformance and make certain that it is accessible to everyone
 - Testing should be performed for the algorithm in conjunction with testing for the radiologist
 - Determine whether the 31 tumor measurements within the test are reasonable for conformance testing and real- world application
 - Strive to determine not only that the test can be done but also whether conformance can be achieved
 - Edit wording to allow for image analyst *or* radiologist to perform initial measurements
 - Consider what else is needed for technologist training, and review the technique

Action item: Biomarker Qualification Update

- Additional clinical evidence for the Profile is needed for the ongoing biomarker qualification effort
- Dr. Tang volunteered to provide a brief overview presentation on the fNIH biomarker qualification efforts in January

Next Call: Monday, January 9, 2017 at 11 am CT

*There will be no BC calls on Monday, December 26th *or* Monday, January 2nd