

QIBA CT Volumetry Biomarker Ctte (BC) Call

16 May 2016 at 11 AM CT

Draft Call Summary

In attendance:			RSNA:
Gregory V. Goldmacher, MD, PhD, MBA (Co-Chair)	Lubomir Hadjiiski, PhD	Eric S. Perlman, MD	Joe Koudelik
Jenifer Siegelman, MD, MPH (Co-Chair)	Rudresh Jarecha, MBBS	Nicholas Petrick, PhD	Julie Lisiecki
Samuel G. Armato III, PhD	Claudia Kirsch, MD	Aria Pezeshk, PhD	
Andrew Buckler, MS	James Mulshine, MD	Marthony Robins, PhD	
Heang-Ping Chan, PhD	Nancy Obuchowski, PhD	Berkman Sahiner, PhD	
Charles Fenimore, PhD	Michael O'Connor, PhD	Ying Tang, PhD	
Marios Gavrielides, PhD	Kevin O'Donnell, MASC		

Plan to Release Profile for Lung Nodule Volume Assessment and Monitoring in Low Dose CT Screening

- Rather than delay release for Public Comment, the Profile will not be converted to the newer template developed by the Process Committee
- Strides in lung cancer screening have been made with the newly approved CPT codes for reimbursement
- Steps toward release for Public Comment will be as follows:
 1. The Lung Nodule CT Screening Task Force will vote for release to the CT CC
 2. The QIBA CT Coordinating Committee will vote to release via email using QIBA-provided forms
- Alignment with the CT Tumor Volume Change for Advanced Disease (CTV-AD) Profile would be ideal; however, editing text that is unnecessarily different could be very time-consuming

Remaining Open Issues for the CT Tumor Volume Change for Advanced Disease (CTV-AD) Profile:

- *Numbers table:* The greater the measurement reproducibility, the lower the bias must be
 - Dr. Petrick will update the numbers table and clarify the location of the “lung-man” data
 - It would be helpful if this data could be posted to a location where it would be permanently accessible for future users of the Profile
 - Dr. Samei to provide a list of target tumors and coordinates
 - This will be used to test how measurement-related algorithms perform for conformance
 - Unfortunately, the RIDER data was acquired on an “older” scanner several years ago, not used by many now
 - As the claim is provisional, based on the lung, and supported by RIDER data, this impedes the ability to compare to “ground truth”
 - There is no existing scanner protocol that matches or uses the same Q-user performance specs
 - RIDER data to act as Profile conformance data, but has limitations
 - Leadership to follow up with Drs. Schwartz and Zhao regarding how the RIDER data was originally acquired
 - Request will be considered for RIDER data (test / re-test coffee break study) from the Cancer Imaging Archive to be moved to the QIDW

Action items (CT Tumor Volume Change for Advanced Disease (CTV-AD) Profile):

- Co-Chairs to decide if wording for Google form survey is ready to send with the latest Profile and authorship list
- Dr. Goldmacher to email the CT Volumetry BC with brief explanation and link to Google form survey
- Mr. O'Donnell to draft some questions for the SME reviewers regarding how to shape the scope of the Profile
 - Does the RIDER data match/support the Profile?
- Dr. Siegelman and Mr. Buckler will review the draft text prior to sending to reviewers with the draft Profile

Next Call: Monday, May 23rd at 11 am CT | Profile review | Next steps