

QIBA CT Volumetry Biomarker Ctte (BC) Call

06 March 2017 at 11 AM CT

Draft Call Summary

In attendance:			RSNA:
Jenifer Siegelman, MD, MPH (Co-Chair)	Nancy Obuchowski, PhD	Marthony Robins, PhD	Joe Koudelik
Andrew Buckler, MS	Michael O'Connor, PhD	Na Sun, PhD	Julie Lisiecki
Charles Fenimore, PhD	Kevin O'Donnell, MASC	Mark Supanich, PhD	
Rudresh Jarecha, MBBS	Nicholas Petrick, PhD	Ying Tang, PhD	
James Mulshine, MD			

Review prior call summary: February 27th summary approved as submitted

Discussion included the following:

Site Feasibility Test Results (Section 4.4):

- Results from Rush/U Chicago were presented by Dr. Supanich, chief medical physicist at Rush
 - Dr. Supanich is familiar with DICOM, workflow, protocols, technologist's role, etc., however, he does not believe that most technologists could complete all of the information on their own
 - Dr. Supanich noted that Profile conformance may be challenging for most sites due to the specialized knowledge required to complete the items on the checklist
 - Due to the increasing radiologist workload and extra time/effort involved, the checklist/conformance procedure for CT Volumetry was deemed too much effort and, Dr. Supanich cautioned that Volumetry may not be feasible on a regular basis in the clinic
 - Drs. Supanich, Samei, and Robins will work together offline to see if the instructions can be simplified further
 - Mr. O'Donnell to provide latest version
- Dr. Fenimore tested the Duke CT 233 software to check for reasonable levels of agreement; however, he requires additional imagery from Dr. Samei to complete the test
 - ACR phantom scans that are reconstructed in the same manner as in the groundwork studies are needed
 - Dr. Fenimore will follow up with Dr. Robins offline
- Dr. Siegelman to follow up with Dr. Gill offline regarding her simplified instructions for segmentation
- A monthly call on Mondays at 11 am CT was proposed for the Small Lung Nodule Profile Writing Task Force; exact date TBD
 - Dr. Siegelman to follow up with Small Lung Nodule Leadership offline

QIDW:

- Lungman phantom data have been uploaded to the QIDW and DRO digital sphere data are still pending
- Dr. Petrick will follow up with Dr. Erickson to let team members know when the full dataset is available for download

Action items:

- Columbia and Duke experiment questions will need to be reviewed
- Dr. Fenimore to provide results of CT 233 testing on next call
- Dr. Gill to rewrite a segment of the protocol instructions; to be reviewed by Drs. Kirsch and Tang
- Dr. Petrick to follow up with Dr. Erickson regarding QIDW DRO data upload
- Feasibility testing participants will report back to the group with their progress on the next WebEx call
- Additional spreadsheets for a regression module as well as for the coordinates for the RIDER tumors are being compiled by Mr. Tervé

Next Call: Monday, March 13, 2017 at 11 am CT – (Biomarker Committee)