QIBA CT Volumetry Biomarker Ctte (BC) Call
06 March 2017 at 11 AM CT
Draft Call Summary

In attendance:

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<th>RSNA:</th>
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<tr>
<td>Jenifer Siegelman, MD, MPH (Co-Chair)</td>
<td>Nancy Obuchowski, PhD</td>
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<td>Andrew Buckler, MS</td>
<td>Michael O’Connor, PhD</td>
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<td>Charles Fenimore, PhD</td>
<td>Kevin O’Donnell, MASc</td>
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<td>Rudresh Jarecha, MBBS</td>
<td>Nicholas Petrick, PhD</td>
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<td>James Mulshine, MD</td>
<td>Ying Tang, PhD</td>
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<td>Marthony Robins, PhD</td>
<td>Na Sun, PhD</td>
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<td>Joe Koudelik</td>
<td>Julie Lisiecki</td>
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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

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)