QIBA COPD/Asthma Technical Committee (TC)

March 13, 2013 at 2 PM CT

Call Summary

In attendance		**RSNA**
Philip F. Judy , PhD (Chair)	Bernice Hoppel, PhD	Julie Lisiecki
Paul Carson, PhD	David Lynch, MB	
Sean Fain, PhD	Mark Schiebler, MD	

Agenda - 3/13/2013

1. Image Data Warehouse - Status and plans
2. Lung Density Profile - Identify critical technical specification

Density specification worksheet attached:

- Please review and suggest other items that should be specified.
- Items in **red** will be discussed.
- Specifications from lung tumor volume profile attached for reference.
    - I recommend that we use these specifications and change only when necessary.

Discussion topics:

- COPD – contrast is not needed and will not be recommended
- Breathing instructions are critical and will need to be very specific.
- Anatomical coverage: spiral CT of the whole lung.
- CT dose reduction
- Need to specify maximum dose for lung density measurements
- 120 kvp for consistency of CT numbers recommended

Other considerations:

- More discussion needed regarding how to use the Quantitative Imaging Data Warehouse (QIDW)
- Some additions need to be made to the technical specifications:
    - Software version numbers and names
    - Serial number of acquisition
    - Reconstruction number and version
- More discussion regarding dose reduction, particularly for younger patients; Consensus document proposed
- Critical issue regarding field of view and differing numbers for air/ different scanners

Action items:

- Dr. Lynch to follow up with VIDA Diagnostics regarding type of data that can be provided.
- Dr. Judy to update timetable and technical specifications with group recommendations for data acquisition based on 3/13 discussion.
- Group to identify critical performance specifications; input welcome: philipfjudy@philipfjudy.com.
    - For next call: Decide on acquisition specifications - Total collimation, scan speed, radiation dose

Next call: *QIBA COPD/Asthma Update Call,* ***Wednesday, 2 pm CT, March 27, 2013***