QIBA COPD/Asthma Technical Committee (TC)
March 13, 2013 at 2 PM CT
Call Summary

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

RSNA

Call Summary

In attendance

RSNA

Philip F. Judy, PhD (Chair)  Bernice Hoppel, PhD
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.
  o 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:
  o Software version numbers and names
  o Serial number of acquisition
  o 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.
  o 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