QIBA COPD/Asthma Technical Committee Update
August 24, 2011 at 2 PM CDT
Call Summary

In attendance
Philip Judy, PhD (Co-chair)  
John Newell, Jr, MD (Co-chair)  
Andrew Buckler, MS  
Heather Chen-Mayer, PhD  
James Colsher, PhD

RSNA
Alden Dima, MS  
Sean Fain, PhD  
Baojun Li, PhD  
Jered Sieren  
Julie Lisiecki

I. Progress Reports

• Mr. Sieren submitted a University of Iowa profile to the group for review.
• The Thursday meeting will focus on working through timing/planning issues/planning on the Gantt chart
• The 8/31/11LDCRS WG call) will focus on test objects, cupping artifacts, scanning and scatter issues, how spiral CT mitigates effects of cone-beam artifacts, axial scanning, and phantom measurements

II. Discussion of the RSNA 2011 poster and items to include

• Advances in test objects/options
• Justification for the need for quality assurance: Mr. Sieren volunteered COPDGene data
• NIST project updates (Dr. Chen-Mayer’s work with reference standards translated for radiologists)
  o Include illustrations of foams, uniform lung, etc.

III. Profile issues discussed

• Subject handling: Contrast agents not to be used
• Breathing instructions are critical - Dr. Judy to send comments to Dr. Newell, Mr. Sieren
• Image analysis – more discussion needed
• Claim – requires more work
  o Information to support the claim and not more than what is needed to differentiate from protocol.
  o What is the repeatability on the phantom?
  o What is the repeatability on the patient?
• Issue – image data acquisition: Scan FOV or focal spot size?
  o Suggested to replace with “field of view”
  o Dr. Judy to work on the wording for this particular section
• Determination of what signal-to-noise measurements are needed with adjustment to dose
  One Profile with various protocols as subsets rather than previously considered multiple Profiles

Next steps:
• RSNA Staff to post University of Iowa version of profile to QIBA WIKI and inform the group (posted 8/24), call for comments to be sent to Mr. Sieren: jered-sieren@uiowa.edu

Next calls:
• Next COPD/Asthma LDCRS WG update call: Wednesday, August 31, 2011 at 2 PM CDT
• Next COPD/Asthma TC update call: Wednesday, September 7, 2011 at 2 PM CDT
• Next COPD/Asthma Strategic Plan WG update call: TBD