QIBA COPD/Asthma Technical Committee Update
September 7, 2011 at 2 PM CDT

Call Summary

In attendance
John Newell, Jr, MD (Co-chair)
Andrew Buckler, MS
Paul L. Carson, PhD
David A. Lynch, MB

RSNA
Frank Ranallo, PhD
Jered Sieren
Daniel C. Sullivan, MD

Joe Koudelik
Julie Lisiecki

Agenda:

I. Review University of Iowa version of the Profile - Mr. Jered Sieren
II. Discuss what else needs to be done to finish the most recent profile
III. Discuss how to write the protocols that are derived from the profile
IV. Discuss RSNA QIBA COPD/Asthma TC poster*
V. Discuss STR-QIBA meeting - Dr. David Lynch

Discussion of Profile Issues:

• Mr. Sieren discussed the feedback and edits incorporated to the University of Iowa profile
  o Discussion of breathing instructions and clinical application
  o Debate on Scan FOV vs. focal spot size
  o Use of 64 slice scanner recommended, but consideration needs to be given to 16 slice scanners due to prevalence in the community
  o Dr. Judy to provide additional information on phantoms, etc.
  o Dr. Crapo to provide additional information on reproducibility and accuracy of measurement
• Profile claims not based in data yet
  o Group moving forward to provide the necessary documentation through studies or additional groundwork
  o Drs. Newell and Judy to review and select various studies in support of the claims to help finalize the Profile
  o Agreed to use U.S. method for standard measurement in the Profile
• More information is needed regarding the precision of single point measurements to demonstrate change/ statistical performance/ correlation
• Goal to get the Profile out as soon as possible for public use; need to capture the most important elements at this point in time rather than delay distribution

Next steps:

• Drs. Newell and Lynch to collaborate on finalizing the claims to move the Profile toward the public comment phase
• Call for additional comments regarding the Univ of Iowa Profile to be sent to Mr. Sieren: jered-sieren@uiowa.edu
• Mr. Buckler to follow up with Dr. Lynch regarding sample templates from other groups for wording of claims
• Dr. Judy to respond still with additional information on phantoms, etc. for the Profile
• Dr. Crapo to provide additional information on reproducibility and accuracy of measurement for the Profile

Next calls:

• Next COPD/Asthma LDCRS WG update call: Wednesday, September 14, 2011 at 2 PM CDT
• Next COPD/Asthma TC update call: Wednesday, September 21, 2011 at 2 PM CDT

*For reference, the 2010 posters are available on the QIBA WIKI:
http://qibawiki.rsna.org/index.php?title=QIBA_and_UPICT_posters_from_RSNA_2010_Annual_Meeting