

QIBA COPD/Asthma Technical Committee Strategic Plan Working Group Update

July 14, 2011 at 2 PM CDT

Call Summary

In attendance

Philip Judy, PhD (Co-chair)

John D. Newell, Jr., MD (Co-chair)

Harvey O. Coxson, PhD

David A. Lynch, MB

Jered Sieren

RSNA

Fiona Miller

The workgroup decided to continue to meet on a regular basis to finalize the strategic plan with specific goals and timelines. After this is achieved, it is likely that no further meetings will be required. RSNA staff will request attendance of both Dr. Sullivan and Mr. Buckler at the next meeting (8/11/11).

Updates:

Goal #1: Reference Standard

- Update call was held on 7/13
- Discernment needed between reference and quality control standard
- Uncertain when the NIST-calibrated foams will be available commercially
- Additional goal of the group to develop a report to describe possible approaches
- Collecting data from scans using NIST foams with both COPD and Gammex phantoms
- Anticipated that NIST follow-up report will be available in one month
- COPD Gene phantom to be used for Dr. Fain's project funded by QIBA
- Looking to engage contact at GE to run on GE scanners
- Statistics paper to be ready for preliminary review within 4 weeks

Goal #2 : Normal Lung

- Normal Lung Group to set up a t-con within the next month
- Paper to be circulated for review following the t-con
- Trying to evaluate reproducibility in normal lung as well as diseased lung as data will be needed to support qualification process
- Request to involve QIBA in a ½-1 day meeting on Quantifying CT of Lung to be held immediately before March 2012 meeting of Society of Thoracic radiology
 - Dr. Lynch to provide a brief proposals for Dr. Sullivan and QIAB Steering committee review

Goal #3 : COPD

- Data collection continues using COPD Gene Phantom
- Working on developing a Profile
 - Dr. Judy recommended that two distinct profiles (airway and density) for Asthma and COPD should be developed
- Need to determine how profiles can be merged if both airway and density are being studied

Next steps:

- Dr. Newell will provide latest copy of the Strategic Plan for distribution
- Dr. Lynch to provide proposal for QIBA involvement in pre-STR meeting on CT Lung Quantification

Next calls:

- **Wednesday, August 10th** - (COPD/Asthma Technical Committee Update Call), 2 pm CDT
- **Thursday, August 11th** - (COPD/Asthma Strategic Plan Working Group call), 2 pm CDT
- **Wednesday, August 17th** - (COPD/Asthma LDRCS WG Update Call), 2 pm CDT