

QIBA COPD/Asthma Technical Committee

April 25, 2012 at 2 PM CT

Call Summary

In attendance

Philip F. Judy, PhD (Co-chair)

Martin Connell, BSc

Harvey Coxson, PhD

Sean Fain, PhD

Zachary Levine, PhD

Daniel C. Sullivan, MD

RSNA

Joe Koudelik

Madeleine McCoy

Agenda

1. Plans for Annual QIBA Meeting
 2. CT number calibration protocol using COPDGene Phantom
 - a. Axial edge artifact
 - b. Suitability of thickness of present phantom design
 3. Revisit suggestion to develop a standard reconstruction
-

Discussion Summary

2012 QIBA Annual Meeting Update:

- Dr. Judy will follow up with Drs. Mozley and Schwartz to determine if any input is required for the CT Modality Ctte report on Day #1, and any additional agenda items for the Modality Ctte breakout session on Day #2

Phantoms Data Update

- Axial edge artifacts discussed concerning data supplied by Drs. Fain and Connell
- Reference/ standardized reconstruction algorithm discussed
 - Need to develop recon algorithm to provide identical output results
 - Smoothing of Sharp recon filters to obtain identical standard deviations in the lung discussed
 - Standard Deviation (SD) to be used as a surrogate for reconstruction

COPD/Asthma Profile Development

- Insight gained from participating on the QIBA-Metrology efforts
- Dr. Judy to engage the ctte in developing a COPD Profile for a single quantitative biomarker

Next calls:

- Dr. Judy to re-evaluate the Tech Ctte call schedule and possibly reduce call frequency
- Next COPD/Asthma Technical Committee update call: **Wednesday, May 2, 2012 at 2 PM CT**