

**QIBA COPD/Asthma LDRCS WG**  
December 21, 2011 at 2 PM CST  
Call Summary

**In attendance**

*Philip F. Judy, PhD (Co-chair)*

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

Paul L. Carson, PhD

Dave Gierada, MD

Zachary Levine, PhD

Frank Ranallo, PhD

Daniel C. Sullivan, MD

**RSNA**

Julie Lisiecki

**PowerPoint Presentation by Dr. Judy**

- **Topic:** *Effects of Scatter/Hardening Correction on CT numbers of COPD Gene Reference Phantom*
  - CT number shifts for LightSpeed 16 observed in 3 scanners: HPR01, UMC03, and UAB01
  - Shifts were the same for air inside of the phantom, air outside of the phantom, and lung foam

**Discussion: Airway Inspector Measurements of Tube Sizes**

- Measured a single tube in COPDGene Phantom in several slices of 6 image sets - reconstructed from 6 scans.
- Estimated the mean and standard deviation of tube size measurements
  - Measurement variation relatively constant as function of pixel standard deviation

**COPDGene Phantom**

- Toshiba expressed an interest in purchasing a phantom
- Interested in getting qualified for COPDGene / Asthma studies

**Next one-day Quantitative CT Imaging of the STR Lung Meeting, March 2012**

- Drs. Judy and Newell working to get more vendor representatives involved on calls and face-to-face meetings
- Small, "independent" meeting proposed with more focused discussions; planning to begin soon

**Next Steps:**

- Drs. Judy and Newell to follow up with contacts from equipment manufacturers for invitation to the Quantitative CT Imaging of the Lung Mtg at STR
- RSNA staff to provide current equipment manufacturer contacts on QIBA COPD/Asthma roster to Drs. Judy and Newell
- Next call will focus on Profile discussion

**Next calls:**

- Next COPD/Asthma Technical Committee update call: **Wednesday, January 4, 2012 at 2 PM CST**
- Next COPD/Asthma LDRCS WG update call: **Wednesday, January 11, 2012 at 2 PM CST**