QIBA COPD/Asthma Technical Committee
September 5, 2012 at 2 PM CT
Draft Call Summary

In attendance

Philip F. Judy, PhD (Chair)
Paul Carson, PhD
Heather Chen-Mayer, PhD
Harvey Coxson, PhD

Sean Fain, PhD
Michael Flynn, PhD
Jong Hyo Kim, PhD

Zachary Levine, PhD
Mark Schiebler, MD
Daniel C. Sullivan, MD

Joe Koudelik
Julie Lisiecki

RSNA

Call for volunteers to develop poster content for RSNA 2012 *(hard copy to RSNA by Nov 1st)*

- Possible Topics include:
  - Axial edge artifact
  - Effect of dose reduction protocol
  - Use of COPDGene Phantom to deal with scanner inconsistencies

QIBA participation in 2013 International Workshop for Pulmonary Functional Imaging

- Dr. Schiebler (*University of Wisconsin-Madison*) gave a brief overview of the workshop structure and available time slots for a half-day program with a QIBA focus
  - The workshop is geared mainly toward young scientific researchers in efforts to grow the field
  - Cost must be kept to a minimum to prevent the registration fee from being prohibitive
- Dr. Judy is considering a half-day educational workshop, similar to the QCT Imaging of the Lung program, which was held in conjunction with STR 2012
  - Drs. Judy and Schiebler are formulating a proposal for QIBA consideration
- Co-sponsorship, collaboration on program design, and use of the QIBA logo for this session were also discussed

Quantitative CT Imaging of the Lung Program for 2014

- Dr. Lynch suggested holding this program in conjunction with the STR meeting again; more discussion needed.

COPDGene Phantom Calibration Results – *(PowerPoint presentation of results - Dr. Judy)*

- Air numbers within and around the COPDGene Phantom were discussed using the GE Lightspeed16, Philips Brilliance 64, and other scanners
  - Use of a calibrated emphysema threshold was employed in this experiment
  - 12% Variance associated with shift of CT number
  - Determining a correction factor remains challenging.

Next Steps

- Seek alternate sources of funding for RFP for computer program to analyze COPDGene Phantom images
- Review and evaluate low-dose reconstruction protocols
- Plan a comparison of airway-size image analysis algorithms
- Discuss Profile claims and next steps – Add calibration procedure

Next call: QIBA COPD/Asthma Update Call, Wednesday, September 19, 2012, 2 pm CT

Other: COPD Genetics Conference 9/27/2012-9/28/2012 AMSTERDAM