

QIBA COPD/Asthma Technical Committee

November 14, 2012 at 2 PM CT

Draft Call Summary

In attendance

Philip F. Judy, PhD (Chair)

Paul Carson, PhD

Harvey Coxson, PhD

Sean Fain, PhD

Bernice Hoppel, PhD

Jong Hyo Kim, PhD

Zachary Levine, PhD

Joshua Levy

Mark Schiebler, MD

Daniel C. Sullivan, MD

RSNA

Joe Koudelik

Julie Lisiecki

1. Update on QIBA COPD Asthma Technical Committee Poster for RSNA 2012

- Dr. Fain will draft the poster for review by Monday, 11/19
- Dr. Judy will arrange for printing and will deliver to McCormick Place on Saturday, 11/24.

2. RSNA 2012 Plans: COPD /Asthma TC Breakout Meeting

- Dr. Judy will pre-distribute discussion items to attendees for review
- Goal: Discuss how to define repeatability and variation with respect to density measures to help develop the Profile
- Scientific Paper Presentation (SSQ03-08):
 - *Comparisons of Lung CT Airway Measurement Accuracy for Filtered Back Projection and Iterative Reconstructions at Low X-ray Dose, Thursday, 11/29 10:30AM-12:00PM, Room S405B*
 - Alfonso Rodriguez, Jr. ,MS , Madison, WI • Sean B. Fain, PhD • Frank N. Ranallo, PhD • Philip F. Judy, PhD

3. 2013 International Workshop for Pulmonary Functional Imaging

- Drs. Judy and Lynch to finalize the QIBA program and submit a proposal with agenda to the QIBA Steering Committee

4. Discussion: Is choosing between PERC 15 and Percent Emphysema necessary?

- Observations from PowerPoint presentation discussed:
 - Perc15 has an inverse relationship to Percent Emphysema; therefore, only one is needed
 - There is similarity between Perc15 and RA-910
 - Evidence suggests that both percent emphysema and PERC15 should be included
 - Both are interval scale quantities:
 1. Lung volume – ratio scale
 2. Lung mass – ratio scale

Next Steps

- Dr. Fain to create poster for RSNA 2012 and circulate draft by Monday, 11/19 for review
- Dr. Judy to print poster and bring to RSNA 2012 on 11/24

Longer term

- Seek alternate sources of funding for RFP for computer program to analyze COPD Gene Phantom images
- Plan a comparison of airway-size image analysis algorithms

Next call: QIBA COPD/Asthma Update Call, **Wednesday, December 5th, 2012, 2 pm CT**