

QIBA COPD/Asthma Technical Committee Update

October 19, 2011 at 2 PM CDT

Draft Call Summary

In attendance

Philip F. Judy, PhD (Co-chair)

Paul L. Carson, PhD

Heather Chen-Mayer, PhD

Harvey O. Coxson, PhD

Sean Fain, PhD

Zachary Levine, PhD

Daniel C. Sullivan, MD

RSNA

Joe Koudelik

Julie Lisiecki

Discussion of Airways Studies:

- Dr. Fain discussed data from “Eclipse,” that addresses repeatability for airway measurements over time
- Dr. Chen-Mayer has analyzed some of the data on airway measurements that are one week apart
 - Various features add variability – no definitive answer on repeatability for airway wall thickness measures
- Will need additional studies
 - Dr. Fain will send some measures to GE 750 group for feedback on his proposed study.
 - Dr. Judy has reserved a section on the poster for “Quantitative CT for Airway Morphology Assessment”
 - Dr. Judy provided a summary on the poster for airway morphology
 - Dr. Lynch to provide a summary for the poster on clinical utility of airway morphology

Poster at RSNA 2011:

- Dr. Judy to follow up with Drs. Fain and Chen-Mayer for additional poster content
- Dr. Judy to circulate revised poster before next call
 - to include vendors and the dose-reduction project at BWH with Toshiba
 - to demonstrate how COPD-Asthma group efforts are aligned with projects from BWH, Iowa, and WI
 - Group to keep in mind the appeal of the poster to radiologists and how topics may be helpful to them
- Volunteers will be needed for Meet-the-Expert (MTE) sessions.
 - RSNA staff has distributed a Doodle poll to the group: please respond with availability.
<http://www.doodle.com/cwkdqgpr2nd24fm3>

Next steps:

Poster:

- Dr. Lynch to provide verbiage on the value of Quantitative CT as well as a draft claim; summary of clinical utility of air morphology
- Dr. Fain to provide information from the airways Claim draft Profile segment
- Dr. Chen-Mayer to provide information on improved materials for the phantom test objects
- Mr. Sieren to provide measurements that show changes in metrics related to density of the air and the foams

Next calls:

- Next COPD/Asthma LDCRS WG update call: **Wednesday, October 26, 2011 at 2 PM CDT**
- Next COPD/Asthma TC update call: **Wednesday, November 2, 2011 at 2 PM CDT ****
**** (discussion to be led by Mr. Avila – OIA requirements)**