

QIBA Lung Density Biomarker Committee

January 7, 2015 at 2 PM CT

Draft Call Summary

In attendance

Philip F. Judy, PhD (Chair)

Heather Chen-Mayer, PhD

Dominic Crotty, PhD

Guy Englehard

Sean Fain, PhD

Matthew Fuld, PhD

Bernice Hoppel, PhD

Nancy Obuchowski, PhD

Karen Procknow, RT (R)

Jered Sieren

Daniel Sullivan, MD

RSNA

Joe Koudelik

Julie Lisiecki

Agenda 1/7/2015: Lung Density Biomarker Committee

1. Vendor COPD Gene Phantom 2 Scanning - Status
2. Claims Section - Status
3. Profile Makeup – Reconstruction Section
4. Analysis Issues – Open Questions
 - Scanner Variation
 - Volume Correction
 - Dose Correction
5. Consider Groundwork project: develop and evaluate procedures to make the lower lung density measurements equivalent to a previous higher measurements.

Next call: Wednesday, January 28, 2015 at 2 pm CT

- Agenda – Profile markup

Discussion:

- The group welcomed new member, Mr. Guy Engelhard with Carestream, (algorithm development)
- Plans for round robin scanning to test vendor acquisition protocols were discussed
 - Mr. Levy sent a phantom to U-Iowa.
 - Jered Sieren and his team will get reference values at U-Iowa and will forward the phantom to the next site, UW-Madison
 - A spiromics protocol is also under consideration for testing
- Dr. Chen-Mayer has integrated edits to the main draft of the claims document and plans to circulate this document for group review and feedback soon (with a target date of 1/20)
- Dr. Judy proposed a study comparing older vs. new precision literature to determine whether or not new scanners have improved the precision of measurements
- Dr. Fain offered to review the older literature and report back

Next call: 1/28/2015 at 2:00 PM (CT)