QIBA Lung Density Biomarker Committee
January 7, 2015 at 2 PM CT
Draft Call Summary

In attendance

Philip F. Judy, PhD (Chair)  Sean Fain, PhD  Karen Procknow, RT (R)  Joe Koudelik
Heather Chen-Mayer, PhD  Matthew Fuld, PhD  Jered Sieren  Julie Lisiecki
Dominic Crotty, PhD  Bernice Hoppel, PhD  Daniel Sullivan, MD
Guy Englehard  Nancy Obuchowski, PhD

RSNA

Agenda 1/7/2015: Lung Density Biomarker Committee
1. Vendor COPDGene 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
  o Mr. Levy sent a phantom to U-Iowa.
  o Jered Sieren and his team will get reference values at U-Iowa and will forward the phantom to the next site, UW-Madison
  o 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)