QIBA Lung Density Biomarker Committee (BC) Call
February 28, 2018 at 2 PM CT
Call Summary

In attendance

RSNA
David Lynch, MD (Co-Chair) Philip Judy, PhD Nancy Obuchowski, PhD Joe Koudelik
Charles Hatt, PhD Miranda Kirby, PhD Jered Sieren, BSRT (R) MR CT Julie Lisiecki
Stephen Humphries, PhD

Comparative Study Update
• Nine participants have submitted data: four from academic centers and five from commercial entities
• Dr. Obuchowski’s suggested changes to the analysis plan were reviewed
• The study is primarily focused on reproducibility, since a bias estimation is not possible without a reference standard, i.e. ground truth
• Dr. Obuchowski requested adding a reproducibility coefficient (RDC) and metrics to help support the claim
• Suggestions included:
  o Providing confidence intervals for RDC
  o Building a model to determine if certain factors affect precision, e.g. CT dose, lung volume, etc.
• The data are clustered and will be analyzed using Statistical Analysis Software (SAS) as well as Generalized Estimating Equations (GEES)

Profile Update:
• Mr. Sieren is working with Dr. Fain on the Profile offline to aid with incorporating updates
• March 10th is the goal deadline
• Dr. Lynch would like the COPD Biomarker Qualification Consortium (QBQC) to have access and greater awareness of the Profile even pre Public Comment if possible

Reminder:
• BC members are asked to begin compiling a list of experts and outside organizations that would be interested in reviewing the Profile once it is released for public comment: email addresses will be needed.

Next meeting: Wednesday, March 28, 2018 at 2 pm CT  (Calls will now be scheduled monthly, for the 4th Wednesday)