

## QIBA Lung Density Biomarker Committee (BC) Call

February 28, 2018 at 2 PM CT

### Call Summary

#### In attendance

David Lynch, MD (Co-Chair)

Charles Hatt, PhD

Stephen Humphries, PhD

Philip Judy, PhD

Miranda Kirby, PhD

Nancy Obuchowski, PhD

Jered Sieren, BSRT (R) MR CT

#### RSNA

Joe Koudelik

Julie Lisiecki

#### 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:
  - Providing confidence intervals for RDC
  - 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 10<sup>th</sup> 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 4<sup>th</sup> Wednesday)