

## QIBA Lung Density Biomarker Committee (BC) Call

January 31, 2018 at 2 PM CT

Call Summary

### In attendance

Sean Fain, PhD (Co-Chair)

Andrew Buckler, MS

Charles Hatt, PhD

Philipp Hoelzer, PhD

Stephen Humphries, PhD

Philip Judy, PhD

Miranda Kirby, PhD

Nancy Obuchowski, PhD

Márcio Sawamura, MD

### RSNA

Joe Koudelik

Julie Lisiecki

### Comparative Study Update

- Eight participants have submitted data: four from academic centers and four from commercial entities
- RSNA Staff anticipates at least one more academic participant; data submissions are still welcome
- Dr. Kirby summarized the analysis plan which had been circulated for review
  - Bland-Altman analysis will be the primary analysis tool, with breakdowns for min, max, median bias, and variance
- Dr. Obuchowski requested adding a reproducibility coefficient and identifying additional metrics to help support the claim
- RSNA Staff to provide anonymized data received to-date to Dr. Kirby for analysis
- A report will be provided to the vendors to show their algorithm performance and how they compared to other (anonymized) participants
- Participant IDs will remain anonymized in all study reports

### Reminders:

- Dr. Fain is looking for a volunteer to serve as co-editor of the Profile; if interested, please email: [sfain@wisc.edu](mailto:sfain@wisc.edu)
- Mr. O'Donnell recommended that BC members 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, February 14, 2018 at 2 pm CT](#)