

## QIBA Lung Density Biomarker Committee (BC) Call

April 24, 2019 at 2 PM CT

### Call Summary

#### In attendance

Sean Fain, PhD (Co-Chair)  
David Lynch, MD (Co-Chair)  
Heather Chen-Mayer, PhD

Raúl San José Estepar, PhD  
Charles Hatt, PhD  
Stephen Humphries, PhD

Philip Judy, PhD  
Amin Motahari, PhD  
Nancy Obuchowski, PhD

#### RSNA

Joe Koudelik  
Julie Lisiecki

**Moderator:** Dr. Fain

#### Leadership Change:

- Dr. Fain announced that he will be stepping down from his role as Co-chair of the QIBA CT Lung Density BC due to other obligations
- Dr. Lynch thanked Dr. Fain for his tremendous contributions to the BC and for serving as Profile Editor

#### Discussion regarding what is needed to finalize the Profile:

- Dr. Fain has modified the Profile according to suggestions made on the last call
- Appendices E and F contain the software comparison details
  - Data in Appendix F will serve as guidance for vendors to self-assess their reproducibility coefficients
  - The data are considered a “consensus reference standard”
  - Software packages were deterministic, not variable in their outputs, thereby not contributing additional variation
- Although caution was voiced regarding making the Profile requirements too stringent, it was recommended that the software tools be kept consistent for clinical trials, especially longitudinal studies
- Maintaining the same recon kernel and slice thickness for consistency was also recommended, as study components can change with time
- Setting a minimal performance standard by controlling variability where possible is the goal
- Some formatting issues remain for the Profile; proofreading assistance from BC members would be appreciated

#### Preparation for Profile Public Comment:

- Once additional changes are integrated, Drs. Fain and Lynch intend to send the Profile for internal review to the BC with a ballot to vote for its release

#### Next steps:

- All are asked to proofread the Profile for any typos or needed edits
- Additional society or vendor contacts for the upcoming Profile public comment review phase are being sought and can be sent to [jlisiecki@rsna.org](mailto:jlisiecki@rsna.org)

**Next meeting:** Wednesday, May 22, 2019 at 2 pm CT