QIBA Lung Density Biomarker Committee (BC)
December 7, 2016 at 2 PM CT
Call Summary

In attendance
Sean Fain, PhD (Co-Chair)  Raul San Jose Estepar, PhD  Stephen Humphries, PhD  Joe Koudelik
Matthew Fuld, PhD (Co-Chair)  Gonzalo Ferrero, PhD  Philip Judy, PhD  Julie Lisiecki
David Lynch, MD (Co-Chair)  Charles Hatt, PhD  David Naidich, MD  Andrew Buckler, MS
Heather Chen-Mayer, PhD  Bernice Hoppel, PhD  Mark Schiebler, MD

Overview of QIBA Breakout at RSNA 2016
• Writing sections were reviewed
• Medical justifications, software analysis, and unaddressed sections were discussed
• A challenge for testing lung density analysis software was proposed, working in concert with the QIBA 3A Task Force
• If considered, such a challenge would be designed for eight targeted vendors

Strategies for Future Profile Work
• To expedite Profile updates going forward, each writing team will report to the group on sections rather than reviewing the Profile line-by-line
• Targeted Profile discussions (line-by-line) will be reserved for QIBA f2f meetings
• The group aims to have a finalized Profile draft in 2 - 3 months
• Any open issues, such as iterative reconstruction, will be labeled as such, and tabled for the first release
• Round 2 meta-analysis is still in review; may be added to Profile even after the public comment phase
• Dr. Chen-Mayer is in the process of writing the code to finalize the analysis
• Dr. Fuld plans to follow up with Dr. Chen-Mayer and may organize an ad hoc call if needed
• For Profile Version 2, the following items will be taken into consideration:
  o Recent repeatability studies
  o Spiromics and other data for meta-analysis
  o Dr. Lynch to follow up with Dr. Hoffman regarding additional data for a refined claim
  o Considerations for software conformance are also to be determined

Presentation by Drs. Estepar and Guerrero
• Drs. Estepar and Guerrero gave a presentation on modeling of spatial noise bias in lung CT

Next call:  Wednesday, December 21, 2016 at 2 pm CT