QIBA Lung Density Biomarker Committee (BC)
December 16, 2015 at 2 PM CT
Call Summary

In attendance   **RSNA**

Sean Fain, PhD (Co-Chair)   Andrew Buckler, MS   Philip Judy, PhD   Joe Koudelik

David Lynch, MD (Co-Chair)   Heather Chen-Mayer, PhD   Nancy Obuchowski, PhD   Julie Lisiecki

                                                    Bernice Hoppel, PhD   Eric Perlman, MD

QIBA Breakout Session Update:

- Drs. Fain and Lynch reviewed discussion from the December 2nd QIBA Lung Density Breakout Session at the recent RSNA Annual Meeting. Notes were distributed, and action items have been updated by Dr. Fain, as noted below.
    - Any updated documents can be saved to the folder on *DropBox* for sharing and review
    - Dr. Fain will assume the role of Profile Editor

Action Items provided by Dr. Fain:

Phantom Scanning, Round II:

1. Protocol needs to be clearly defined and should include repeated scans at different doses, AEC and IR tests.
2. Need to reach out to Ekta to include a Philips site if at all possible
3. Need to set a firm date. (**Still TBD by Drs. Matt Fuld and Bernice Hoppel**)
4. The Lung Density Task Force plans to conduct scanning in the new year via a Midwest road trip to local sites
5. Group members are asked to acquire all necessary permission from their respective companies by early January Questions may be directed to Dr. Fuld: matthew.fuld@siemens.com

Profile:

1. Need to specify the target parameter settings for the Profile further based on Round 2 results. **(Agreed 12/16/15)**
2. Need to update profile draft based on best assessment of target parameters. **(Dr. Fain to transfer to new template)**
3. Need to include software commercial members to assist with description of best practices for measurement. **(Follow-up with Drs. Jered Sieren, Chuck Hatt, and Eva van Rikxoort from the Netherlands**)

Harmonization:

1. Need to expand on this approach in Round 2 (**Still TBD by Drs. Matt Fuld** and **Bernice Hoppel**)
2. Begin Appendix explaining methodology. (**Dr. Heather Chen-Mayer**)

Lung Volume Adjustment:

1. Need to select, or build, a phantom. Shredded cork phantom and Stoel phantoms were mentioned. (**New phantom - pig lung – Dr. Jürgen Bieder**)
2. Access to COPD Gene data sets to compare and contrast performance of different VA methods with respect to decreasing RC. **(Considering 1 Year interval? – Seems OK for assessing VA)**
3. Data set using lung volume control system at Iowa could potentially be used as a gold data set for comparting to other data sets with less precise volume control? **(Email to Dr. Hoffman and Sieren, possible t-con involving Spiromics and other repeatability data).**

Schedule Update:

- No calls on Dec 23rd or 30th. (Skip January 6th to keep rotation.)
- January 13th
- January 27th (No call – QIBA Steering Ctte – in person)

Next call: Wednesday, January 13, 2016 at 2 pm CT