

## QIBA Lung Density Biomarker Committee (BC) Call

October 11, 2017 at 2 PM CT

Call Summary

### In attendance

Charles Hatt, PhD (Moderator)

Philip Judy, PhD

Nancy Obuchowski, PhD

### RSNA

Joe Koudelik

Stephen Humphries, PhD (Moderator)

Miranda Kirby, PhD

Julie Lisiecki

### RSNA 2017 Poster Review: (Drs. Hatt and Humphries)

- From left to right, and top to bottom, the poster contains the following:
  1. Quantitation: Why and How – Review of biomarkers that are being targeted
  2. Lower left – plot that demonstrates relevance of selected measurements
  3. BC Committee Activities: Profile development and Claims
  4. Round 6 Projects: Initial field testing results
    - Graphic describes planned steps
    - Standard Reference Material (SRM) phantoms are currently being distributed to and tested at 5 sites
  5. QIBA-SRM Phantom – describes and pictures the current phantom with foams
  6. Plot below the phantom is from Dr. Chen-Mayer and represents the harmonization / standardization efforts
  7. Lung Density Repeatability Study Updates
  8. Ways to participate in the Lung Density BC projects
- Dr. Humphries indicated that he will make a few final edits and distribute the poster prior to the next call on 10/25

### Comparative Algorithm Study update:

- 13 participants signed up for the comparative study: 7 academic and 6 commercial
- Dr. Hatt has completed a QA beta test of the data and everything is working properly
- Detailed instructions to participate, including data download and results reporting, are being prepared
- Anticipated timeline for study completion is 2 months after instructions are distributed

### Harmonization field testing (Dr. Humphries):

- Five sites have returned phantom scans and Dr. Humphries is evaluating the data and working on finalizing results
- Focus is on corrections to retrospective COPDGene study data
- Drs. Humphries and Obuchowski need clarification from Dr. Chen-Mayer regarding the proposed single model
- Goal is to present an interim analysis by RSNA 2017

### Profile:

- Internal BC review is ongoing
- Dr. Fain is compiling feedback
- Once internal review is complete, a BC [vote by email ballot](#) will be needed to release the Profile for public comment per the [Profile Process](#) outlined by the Process Committee

Next call: [Wednesday, October 25, 2017 at 2 pm CT](#)

**SAVE-THE-DATE:** QIBA Working Meeting at RSNA 2017 | Wednesday, November 29, 2:30-6 pm – Lakeside Center

