

## QIBA Lung Density Biomarker Committee

March 11, 2015 at 2 PM CT

Call Summary

### In attendance

*Philip F. Judy, PhD (Chair)*

Andrew Buckler, MS

Heather Chen-Mayer, PhD

Dominic Crotty, PhD

Ekta Dharaiya, MS

Sean Fain, PhD

Matthew Fuld, PhD

Bernice Hoppel, PhD

Greg Kinney, MPH, PhD

Nancy Obuchowski, PhD

Jered Sieren, BSRT (R) MR CT

Daniel Sullivan, MD

### RSNA

Joe Koudelik

Julie Lisiecki

Susan Weinmann

### Discussion Topics 3/ 11 /2015: Lung Density Biomarker Committee

#### 1. Vendor COPDGene Phantom 2 Scanning

- The phantom is currently with Dr. Crotty at GE; to be sent to Dr. Fuld at Siemens
- The Vendors Task Force will be meeting on Wednesday, March 18<sup>th</sup> at 2 pm CT to view a demonstration of the U-Iowa analysis software by Mr. Sieren
- All vendors were reminded to submit their signed U-Iowa software distribution agreements to Ann Thompson, ([ann-thompson@uiowa.edu](mailto:ann-thompson@uiowa.edu)), and to copy Mr. Sieren ([jeredsiersen@vidadiagnostics.com](mailto:jeredsiersen@vidadiagnostics.com)) and Dr. Fuld ([matthew.fuld@siemens.com](mailto:matthew.fuld@siemens.com))
- Iowa will supply the distribution method and a manual on how to use the phantom
- Vendors are scanning the same phantom and using the density measurements on specific foams provided by Mr. Levy
  - The U-Iowa software will provide a min/ max and mean / median for these measurements
  - Airway measurements need more detail

#### 2. The Committee is considering writing a proposal to the NLST and COPDGene data managers in order to gain access to additional data for lung mass change and evaluate volume correction methods.

#### 3. Profile –

- The Biomarker Committee plans to have a rough draft available for the May QIBA Annual Meeting
  - Dose and volume correction are key unresolved issues

**Next call:** Wednesday, March 25, 2015 at 2 pm CT