

## QIBA Lung Density Biomarker Committee (BC)

June 22, 2016 at 2 PM CT

Draft Call Summary

### In attendance

*Sean B. Fain, PhD, (Co-Chair)*

Andrew Buckler, MS

Charles Hatt, PhD

### RSNA

Joe Koudelik

*Matthew Fuld, PhD (Co-Chair)*

Lingyun (Lindsay) Chen, PhD, DABR

Philip Judy, PhD

Julie Lisiecki

*David Lynch, MD (Co-Chair)*

Heather Chen-Mayer, PhD

James L. Kreindler, MD

### Welcome, New Lung Density BC Members

- Several new members have joined the Lung Density BC after networking at the recent American Thoracic Society Conference 2016 (ATS):
  - **James L. Kreindler, MD**
    - Dr. Kreindler is a pediatric pulmonologist, working for GlaxoSmithKline (GSK) as Director, clinical Development
    - He is interested in cystic fibrosis research and COPD / Asthma
    - He is head of the imaging working group in the respiratory therapy area, which oversees program qualification of related biomarker in the imaging space.
  - **Lingyun (Lindsay) Chen, PhD, DABR**
    - Dr. Chen is American Board of Radiology (ABR) certified in Diagnostic Radiologic Physics and Medical Nuclear Physics, as well as an FDA-certified Mammography Quality Standard Act (MQSA) physicist.
    - She currently serves as a medical physicist in Department of Diagnostic Radiology and Molecular Imaging, Beaumont Health System.
    - She is very interested in quantitation as it relates to lung density and minimizing radiation dose to the patient, and the development of quantitative measures to evaluate disease progression or regression.
  - **Miranda Kirby, PhD**
    - Dr. Kirby works closely with Dr. Coxson at the Centre for Heart Lung Innovation (HLI) at St. Paul's Hospital, and in collaboration with investigators at the University of British Columbia, Canada.
    - Her research studies are focused on innovative image analysis approaches to identify the earliest changes in the lung structure of smokers at risk for COPD.

### Profile Status

- Specific protocols will need to be written so that independent users can reproduce techniques for the following areas:
  - acquisition
  - reconstruction
- Slight revisions to the claim language will need to be reviewed by Dr. Obuchowski, particularly with regard to the clinical context and claims section of the Profile
  - Any changes to the Hounsfield Units (HU) for PERC 15 will have significant impact on the Profile
- Dr. Fain is working on incorporating recent Profile updates and has asked for subject matter experts to aid with additional details

**Next call: [Wednesday, July 6, 2016](#) at 2 pm CT**