QIBA COPD/Asthma Technical Committee  
February 12, 2014 at 2 PM CT  
Call Summary

In attendance  
Philip F. Judy, PhD (Chair)  
Andrew Buckler, MS  
Heather Chen-Mayer, PhD  
Harvey Coxson, PhD  
RSNA  
Sean Fain, PhD  
Matthew Fuld, PhD  
Bernice Hoppel, MB  
RSNA  
Zachary Levine, PhD  
Claudio Silva, MD, MSc  
RSNA  
Joe Koudelik  
Julie Lisiecki

Agenda 2/12/2014:
1. Review Summary of 1/29/2014 Conference Call
2. David Lynch’s Section on lung fibrosis
   a. Need a similar section for asthma
3. Lung density profile claims.
   a. With and without volume correction
   b. Need bias statement
4. Review status of profile

Next call:  February 26, 2014 at 2 pm CT

Discussion topics included:
• Profile claim language
  o Drs. Chen-Mayer and Fain are drafting claim focusing on parenchymal density measurements
    ▪ Claim to focus on precision, reproducibility and bias: (1) with model-based corrections; (2) without model-based corrections
    ▪ Dr. Fain to focus on asthma with a review of lung volume and air trapping
• Consideration continues regarding addition of clinical context beyond COPD/Asthma
• Consensus established to use -950 HU as the accepted standard for CT threshold in COPD studies
• Bias claim also under consideration for consistency of lung densitometry
• Project ideas requested for NIBIB contract projects for Round-4 (2014-2015), particularly groundwork projects for development of the Profile
• On the 3/12 call, Dr. Judy will request group feedback for his presentation at the QCT seminar preceding the STR meeting

Action items:
• RSNA staff to obtain most recent version of Dr. Raunig’s technical performance paper for Metrology and circulate to Drs. Fain, Judy, and Mr. Buckler
• RSNA staff to distribute Dr. Judy’s latest version of the Profile to those on the call
• Dr Fain will contribute a asthma clinical context section
• Drs. Chen-Mayer and Fain to collaborate on wording for a precision claim
• Drs. Coxson and Hoppel to help with clinician, vendor, and phantom work.
• Dr. Judy welcomes feedback from group members regarding Profiles, etc.: philipfjudy@philipfjudy.com

Next call date: QIBA COPD/Asthma Tech Committee Update Call, Wednesday, February 26, 2014, 2 pm CT

2014 QIBA COPD/Asthma Schedule:
QIBA COPD/Asthma Technical Committee WebEx calls, 2:00 PM Central Time Zone (3:00 PM Eastern)

• 3/12/2014
• 3/15/2014 - QIBA/STR Lung QCT Conference (San Antonio meeting) - (Click to register.) –
  o The one day program is free for QIBA participants.
• 3/26/2014
• 4/09/2014