

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

Sean Fain, PhD

Matthew Fuld, PhD

Bernice Hoppel, MB

Zachary Levine, PhD

Claudio Silva, MD, MSc

Daniel Sullivan, MD

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
 - 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.) –
 - The one day program is free for QIBA participants.
- 3/26/2014
- 4/09/2014