

QIBA COPD/Asthma Technical Committee

January 29, 2014 at 2 PM CT

Call Summary

In attendance

Philip F. Judy, PhD (Chair)

Andrew Buckler, MS

Heather Chen-Mayer, PhD

Sean Fain, PhD

Matthew Fuld, PhD

David Lynch, MB

Mario Silva, MD

Daniel Sullivan, MD

RSNA

Joe Koudelik

Julie Lisiecki

Agenda - 1/29/2014:

1. Report on Steering Committee
 - a. Organization of profiles
 - b. Proposals for NIBIB Contract Projects

Computer program for automatic evaluation of lung phantom images

2. Lung density profile claims.
3. QIBA/STR Presentation – Key elements from profile

Next Call: February 12, 2014

Discussion topics included:

- Profile organization according to group consensus
 - Group to define gaps in the Profile according to CT resources and assess whether or not images are consistent with specifications for the protocol
 - Dr. Chen-Mayer is focusing on Profile restructuring
- Review of the [claim template](#) for the Profile
 - Drs. Chen-Mayer and Fain to collaborate on a precision claim, using the claim template available on the main page of the QIBA wiki
 - Profile focus will be on emphysema measures
- Challenge: No available biomarkers sensitive enough to evaluate the efficacy of treatment
 - Dr. Lynch is working to create a pilot center for quantitative imaging for COPD at National Jewish in the future
- Proposals for next round of NIBIB funded projects –to define technology gaps in the Profile
- Work on creating a protocol for COPD/Asthma/Emphysema
 - Currently, there is less emphasis on protocols for clinical trials
 - Imaging biomarkers need to be reproducible, simpler, easier to use
 - Pharma's interest in QIBA has waned due to the slow rate of Profile development
 - RSNA BOD requested QIBA to increase emphasis on biomarkers for clinical practice

Action items:

- Dr. Lynch to put together background introduction for clinical context beyond COPD/Emphysema
- 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.
- Dr. Judy plans to request group feedback for his presentation at the QCT seminar preceding the STR meeting.

Next call date: QIBA COPD/Asthma Tech Committee Update Call, **Wednesday, February 12, 2014, 2 pm CT**

2014 QIBA COPD/Asthma Schedule:

- 2/12/2014
- 2/26/2014
- 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