QIBA COPD/Asthma Technical Committee
January 29, 2014 at 2 PM CT
Call Summary

In attendance
Philip F. Judy, PhD (Chair)  Sean Fain, PhD  Mario Silva, MD  Joe Koudelik
Andrew Buckler, MS  Matthew Fuld, PhD  Daniel Sullivan, MD  Julie Lisiecki
Heather Chen-Mayer, PhD  David Lynch, MB

RSNA

Call Summary

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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
- 3/26/2014
- 4/09/2014

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