

QIBA COPD/Asthma LDRCS WG

March 7, 2012 at 2 PM CST

Draft Call Summary

In attendance

Philip F. Judy, PhD (Co-chair)

John D. Newell, Jr., MD (Co-chair)

Paul L. Carson, PhD

Martin Connell, BSc

Barbara Croft, MD

Bernice Hoppel, PhD

David A. Lynch, MB

RSNA

Joe Koudelik

Julie Lisiecki

Agenda

1. Agenda items for March 10th Meeting, 4:00 PM at the STR Conference:
 - a. Review 2012 Conference
 - b. Plan a 2013 Conference
 - c. Determine what contribution QIBA can make to development of normative lung QCT data
 - d. Is there a need for "Standard" software for analysis of COPDGene Phantom?
 - e. Other business
2. Schedule March and April Conference call
3. Plans for Technical Committee
 - a. Complete profile for one biomarker by -?
 - b. Round robin scans of COPDGene Phantom with NIST Foam
 - (0) Have scanned at Brigham and Wisconsin
 - (1) NIST
 - (2) Scotland
 - (3) Denver
 - (4) Iowa
 - (5) Other interested investigators
 - c. Software for tube analysis of COPDGene Phantom Images
 - d. Normative data as decided on 3/10/2012
 - e. Suggestions?

Discussion Summary

Some goals for the discussion on Saturday, March 10th:

- Dr. Judy suggested the development of a public archive for phantoms
 - QIBA team members to network with Dr. Graham Barr to pool or combine data to validate genetic findings

Profile

- Suggestion to develop a broader-based approach to quantitative CT beyond the current focus on COPDGene that is geared toward the practicing radiologist, not clinical trials
- A volunteer is needed to take the lead on completing the Profile for one biomarker
- A fairly comprehensive Profile Draft from the University of Iowa is awaiting additional feedback from the group on the Claims language
- Dr. Fain will host an "airways measurement" call in Dr. Judy's absence to discuss a software development project

Phantom Updates and Other topics

- Dr. Judy has sent his phantom to NIST for foam scanning
- Dr. Connell plans to scan the COPDGene phantom using a dose-reduction scheme with rings lent by Dr. Judy
 - Dr. Hoppel and Toshiba team members plan to visit Dr. Connell in Scotland to see his lab facility
- Mr. Sieren will forward a second COPDGene phantom to Dr. Lynch at National Jewish in Denver

Next Steps:

- More discussion is needed regarding Year- 3 Potential NIBIB Projects; to continue on next call, March 14th
 - Dr. Judy to follow up with Dr. Sullivan regarding some suggestions for the group
- RSNA staff to follow up with Dr. Fain re: scheduling an Airway Measurements call for 3/28.
- Mr. Sieren will forward a COPDGene phantom to Dr. Lynch at National Jewish in Denver

Next calls:

- Next COPD/Asthma LDRCS WG update call: **Wednesday, March 14 2012 at 2 PM CST**
- Airway measurements call scheduled for **March 28th at 2 pm CST**
- Next COPD/Asthma Technical Committee update call: **April 11th**