

QIBA COPD/Asthma Technical Committee Update

October 5, 2011 at 2 PM CDT

Draft Call Summary

In attendance

Philip F. Judy, PhD (Co-chair)
Andrew Buckler, MS
Paul L. Carson, PhD
David S. Gierada, MD
Zachary Levine, PhD

Baojun Li, PhD
David A. Lynch, MB
Frank Ranallo, PhD
Daniel C. Sullivan, MD

RSNA

Joe Koudelik
Julie Lisiecki

Quantitative CT Imaging of the Lung Course at STR Meeting:

- An official program has been created and was distributed to the group
- Dr. Lynch will provide Dr. Judy with a preliminary budget proposal for QIBA Steering Committee consideration
- Dr. Stephen Rennard will be giving a presentation on a parallel project to COPDGene which includes imaging and proteomics
- Dr. Judy mentioned that Dr. Rennard believes that others in the medical community are relying on QIBA for imaging biomarkers for COPD
 - Dr. Sullivan to follow up with Dr. Stephen Rennard (University of Nebraska Medical Center) regarding his interest in imaging biomarkers and his research on spiromics and proteomics.

Profile:

- Group considering release of the Profile for public comment to assist in completion of the Profile and related groundwork
- Continuing concern regarding the lack of hard data available related to airways, making Claim language challenging
- Dr. Lynch to review literature for supporting information

Discussion of technical committee poster for RSNA 2011:

- Dr. Fain's airways measurements to be included on the COPD TC poster
- Dr. Judy focusing on improved test objects for the poster –
 1. Smaller airways
 2. Improved lung test objects
- Group to keep in mind the appeal of the poster to radiologists and how topics may be helpful to them

Next steps:

- Dr. Lynch will provide Dr. Judy with a preliminary budget proposal for QIBA Steering Committee consideration
- Dr. Lynch to review literature for documentation to support Profile Claim
- Dr. Crapo to provide additional information on reproducibility and accuracy of measurement for the Profile
- Dr. Sullivan to follow up via phone or email with Dr. Stephen Rennard, University of Nebraska Medical Center

Poster:

- Dr. Lynch to provide verbiage on the value of Quantitative CT as well as a draft claim
- Dr. Fain to provide information from the airways Claim draft Profile segment
- Dr. Heather Chen-Mayer to provide information on improved materials for the phantom test objects Mr. Sieren to provide measurements that show changes in metrics related to density of the air and changes in the foams

Next calls:

- Next COPD/Asthma LDCRS WG update call: **Wednesday, October 12, 2011 at 2 PM CDT**
- Next COPD/Asthma TC update call: **Wednesday, October 19, 2011 at 2 PM CDT**

*For reference, the 2010 posters are available on the QIBA WIKI:

[http://qibawiki.rsna.org/index.php?title=QIBA and UPICT posters from RSNA 2010 Annual Meeting](http://qibawiki.rsna.org/index.php?title=QIBA_and_UPICT_posters_from_RSNA_2010_Annual_Meeting)