

QIBA COPD/Asthma Lung Density Reference and Consistency Standards Work Group Update
June 22, 2011 at 2 PM CDT

Call Summary

In attendance

Philip Judy, PhD (Co-chair)

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

Andrew J. Buckler, MS

Sean Fain, PhD

Zachary Levine, PhD

Jered Sieren,

Daniel C. Sullivan, MD

George R. Washko, MD

RSNA

Julie Lisiecki

Agenda:

1. Discussion of lung density reference standards

General Discussion:

- Brief discussion regarding public comment for the Profile once complete – overview provided by Dr. Judy
 - Voting on the Profile release for public comment will remain with the COPD Technical Committee Voting Members (a COPD subset of the broader CT Modality Committee)
- Focus of presentation and discussion: lung density reference standards
 - Discussion of variation as related to distance of the foams within the Gammex boxes
 - CT numbers of foams vary from Gammex box to Gammex box
 - Need to measure the foams individually to correlate with HU for density
 - When scanning, regions must be identified consistently
 - Greater measurement scattering observed if the foams are not weighed
 - Foams to be individually scanned and calibrated with careful handling
- Profile scope is based on Claim language; consider what is necessary to achieve the Claim

Next steps:

- Dr. Judy recommended a more in-depth discussion between Mr. Buckler and Dr. Newell to help determine scope of the Profile
 - Review/ compare goals of other QIBA groups that may be more closely aligned with COPD/Asthma goals
- Profile discussion to continue on the next call
- RSNA Staff to post PowerPoint presentation to the QIBA WIKI: <http://qibawiki.rsna.org/>

Next calls:

- **Wednesday, June 29th** – (COPD/Asthma Technical Committee Update Call) – to discuss Profile
- **Thursday, June 30th** - (COPD/Asthma Strategic Plan Working Group Update Call) – inaugural mtg
- **Wednesday, July 6th** - (COPD/Asthma Technical Committee Update Call) – to discuss Profile
- **Wednesday, July 13th** - (Lung Density Reference and Consistency Standards Work Group)