

## QIBA COPD/Asthma Technical Committee

November 6, 2013 at 2 PM CT

Call Summary

### In attendance

Philip F. Judy, PhD (Chair)	Harvey Coxson, PhD	Matthew Fuld, PhD	David Lynch, MB	RSNA Joe Koudelik
Heather Chen-Mayer, PhD	Sean Fain, PhD	Zachary Levine, PhD	Daniel Sullivan, MD	Julie Lisiacki

### Agenda -11/06/2013:

1. Registration and abstract submission 2014 STR QCT Conference
2. Material for COPDGene Investigators Meeting
3. CT automatic exposure control (AEC)
  - a. Purpose is reduce dose and produce image with uniform pixel standard deviation
  - b. Tsalaoutas *Med Phys*, Dec 2013, **Utilizing a simple CT dosimetry phantom for the comprehension of the operational characteristics of CT AEC systems** (attached).
  - c. COPDGene Phantom Ring Experiment (PowerPoint attached)
4. Discuss Profile revision
  - a. Open issues for discussion
    - i. Need a protocol to calibrate the CT number scale in range of lung CT values
    - ii. Need a protocol to determine utility of current modulation techniques as compared to constant current technique.
    - iii. Describe clinical context beyond COPD
    - iv. Terms for Glossary
  - b. Citations need to added

### Update on Quantitative CT Imaging of the Lung Symposium at STR 2014

Promotional information about Quantitative CT Imaging of the Lung Symposium at STR 2014 to be included on poster Information provided by Dr. Judy will be included in the meeting brochure

Dr. Lynch reminded the group to [submit abstracts for the QCT Imaging of the Lung Symposium](#), in conjunction with the STR conference – deadline for abstracts is **November 30<sup>th</sup>**.

### Discussion topics included:

QIBA-improved COPDGene phantom includes the following innovations:

- o Holes removed
- o Locations of air holes, etc., remain compatible with the original phantom for comparison, as currently produced by The Phantom Laboratory
- o Added NIST standardized foams
- o Use of smaller tubes

Tech committee commitment to using a lower dose reference method

Volume correction for longitudinal studies to be the focus

Techniques for use with Toshiba Aquilion One scanners

### Action items:

Dr. Fain to collaborate with U Iowa colleagues to draft Auto Exposure Control details for the RSNA Poster

Dr. Fain to send information for the QIBA Tech Cttee to Dr. Judy by November 14<sup>th</sup>.

Dr. Lynch reminded the group to [submit abstracts for the QCT Imaging of the Lung Symposium](#); deadline for abstracts is **November 30<sup>th</sup>**.

**Next call date(s):** QIBA COPD/Asthma Tech Committee Update Call, **Wednesday, November 20, 2013, 2 pm CT**

### RSNA 2013 Annual Meeting - QIBA Technical Committees Working Meeting:

Wednesday, December 4<sup>th</sup> | 2:30pm – 5:00pm | Chicago, McCormick Place | Room: **N136**

Please let us know whether you plan to attend by responding to the following poll:

<http://www.doodle.com/fwf76ceggb78r75b>.

We appreciate your continued support and look forward to your participation - Thank You!

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**QIBA Poster Meet-the-Expert (MTE) Sessions at RSNA 2013**

**Location:** McCormick Place, Chicago - Lakeside Learning Center (Hall D)

Please provide your availability to participate in the QIBA Poster Meet-the-Expert (MTE) sessions.

This is a chance to interact with meeting attendees to discuss current subcommittee projects.

Sessions are 30 minutes over the noon-time hour, Sunday through Thursday.

The Tech Ctte posters will be located at the QIBA Kiosk, which is within the Lakeside Learning Center (Hall D).

**Doodle Poll URL: COPD/Asthma Technical Committee:** <http://www.doodle.com/7gu7rvkqap3eixmb>

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