

## QIBA COPD/Asthma Technical Committee (TC)

August 14, 2013 at 2 PM CT

Call Summary

### In attendance

Philip F. Judy, PhD (Chair)

Barbara Croft, PhD

Sean Fain, PhD

Michael Flynn, PhD

Bernice Hoppel, PhD

Mark Schiebler, MD

Daniel Sullivan, MD

### RSNA

Joe Koudelik

Julie Lisiecki

### Discussion topics:

#### IWPFJ Update - July 17-20: Lung Function Workshop

Drs. Levine and Fain distributed summary notes from the meeting

#### Profile Development Groundwork

Automatic Exposure Control (AEC) on the COPD Gene phantom experiment with scanner model variations discussed

- Plan to test similar image acquisition protocols on 4 major vendor scanners (GE, Siemens, Toshiba, Philips) to enable a common methodology across vendor platforms for testing the performance of AEC implementations.
- Goal to develop protocols that would reduce CT dose while maintaining quantitative density measurements within 2% or lower across vendor platforms
- Progress that the group hopes to achieve:
  - to improve image quality and resolution
  - to look at new techniques for iterative reconstruction and dose reduction for a quantitative protocol
  - to create a safer and more viable approach for longitudinal studies
- Test sites:
  - GE system: Dr. Fain (University of Wisconsin, Madison)
  - Siemens system: Dr. Newell and Jered Sieren (University of Iowa)
  - Toshiba system: Dr. Hoppel and Dr. Judy
  - Philips system: volunteer site needed

#### Action items:

Feedback requested by Dr. Judy on Profile draft to-date up to the section on analysis: [philipfjudy@philipfjudy.com](mailto:philipfjudy@philipfjudy.com).

Feedback regarding a QIBA session at the STR meeting in March 2014 may be sent to Dr. Lynch: [LynchD@NJHealth.org](mailto:LynchD@NJHealth.org).

Dr. Fain to draft an imaging protocol for the GE platform

Drs. Newell and Sieren to draft an imaging protocol for the Siemens platform

Dr. Judy to draft an imaging protocol for the Toshiba platform

Dr. Judy to follow up with Dr. Sullivan regarding a call with Dr. Crapo to discuss a strategy for approaching CBQC

**Upcoming Meeting:** September 7-11: European Respiratory Society

**Next call date(s):** QIBA COPD/Asthma Tech Committee Update Call, **Wednesday, August 28, 2013, 2 pm CT**

**Upcoming call dates:** (also posted to QIBA wiki): September 11<sup>th</sup> & 25<sup>th</sup>, October 9<sup>th</sup> & 23<sup>rd</sup>.

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

Wednesday, December 4<sup>th</sup> | 3:00pm – 5:00pm | Chicago, McCormick Place | Room: TBD

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

<http://www.doodle.com/fwf76cegg78r75b>.

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