

QIBA Lung Density Technical Committee

September 24, 2014 at 2 PM CT

Call Summary

In attendance

Philip F. Judy, PhD (Chair)

Andrew Buckler, MS

Heather Chen-Mayer, PhD

Sean Fain, PhD

Matthew Fuld, PhD

Bernice Hoppel, PhD

Songtao Liu, MD

John D. Newell, Jr., MD

Nancy Obuchowski, PhD

Jered Sieren

Amit VasANJI, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Agenda 9/24/2014: Lung Density Technical Committee

1. RSNA Meeting Poster plans
2. Finalize Precision Claim for Perc15 and Volume Correction
 - Incorporate into draft profile
 - Bias?
 - Fraction less than -950 HU?
3. Status of AEC and IR Project
4. Acquisition and reconstruction specifications
 - Report from Vendor Working Group
 - CT Number bias requirement given claims
5. Plan to analysis sections of Profile

Discussion:

- Dr. Fain agreed to coordinate a poster for RSNA 2014 that focuses on Profile development for both airway and lung density measurements, with input from the group
 - Research from Drs. Chen-Mayer, Fain, Obuchowski, and Rodriguez to be included
 - A background panel (text) re airways, the clinical beginnings of COPD, emphysema, etc. to be included
 - Poster topics to contain: Metrology analysis, Claim language, approached to CT volume correction and airway measurement
 - Previous posters are available for reference on the [QIBA wiki](#)
 - Print-ready PPT posters are due to RSNA **by October 31st** if RSNA is to print the poster
- Continued group discussion regarding proposed revisions to claim language based on the investigation of volume correction issues by Drs. Chen-Mayer and Fain and applicability to clinical usefulness
 - Work ongoing to distill statistically meaningful mean and confidence intervals
- Drs. Fuld and Hoppel are working in parallel with vendor partners to determine what bearing these measurements might have for scanner acquisition protocols

Action items:

- Dr. Fain to head up the poster effort for the technical committee; draft due to RSNA **by October 31st**

Next call: 10/08/2014 at 2:00 PM (CT)

QIBA Technical Committees - Working Meeting at RSNA 2014

- Wednesday, December 3rd | 2:30pm – 5:00pm | Chicago, McCormick Place | Room: **E272B**
- Please let us know whether you plan to attend by responding to the following poll: <http://doodle.com/mk7qecxint6vbwf5>.

QIBA Poster Meet-the-Expert (MTE) Sessions at RSNA 2014

- **Location:** McCormick Place, Chicago - Learning Center (**Hall D**) – QIBA Kiosk
- Please provide your availability to volunteer for the QIBA Poster Meet-the-Expert (MTE) sessions.
- **Doodle Poll URL:** Lung Density Technical Committee: <http://doodle.com/ay5agkemq2f8wkt8>