

## QIBA COPD Asthma/ CT Lung Density Technical Committee

May 28, 2014 at 2 PM CT

Call Summary

### In attendance

**Philip F. Judy, PhD (Chair)**

Heather Chen-Mayer, PhD

Sean Fain, PhD

Songtao Liu, MD

Daniel Sullivan, MD

### RSNA

Joe Koudelik

Julie Lisiecki

### Agenda 5/28/2014: CT Lung Density Technical Committee

1. Report from Annual Meeting
  - a. Notes from Breakout - attached
  - b. Judy Presentation - attached
2. Standardize Evaluation AEC for Quantitation
  - a. Update
3. Lung density profile claims
  - a. Update
4. Review of acquisition and reconstruction specifications
  - i. Status of vendor involvement
5. Plan to analysis sections of Profile.
6. SPIE abstract submission
7. Citations to Profile

**Next call:** Wednesday, June 11, 2014 at 2 pm CT

### Reports from the QIBA 2014 Annual Meeting:

- Dr. Fain gave an update regarding the literature search for inclusion of bias and precision for cross-sectional parenchymal density and noted that approximately 7 papers have been identified
  - Key points from these papers will be summarized in table form; Citations will be provided to Dr. Judy for Endnotes
- The goal of the AEC project proposal is to develop a consistent protocol across platforms for AEC of the lung, where there is similar noise and similar standard deviation.
  - With regard to volume correction, RA950 and Perc15 have been selected as metrics
- Drs. Chen-Mayer and Stoel are working on a related literature search to evaluate bias and precision for longitudinal measurements
- Drs. Fuld and Hoppel have made a contact at Philips regarding the collaboration with scanner manufacturers on acquisition and reconstruction parameters; GE to be pursued next
- **[SPIE Medical Imaging Conference Abstracts due August 4<sup>th</sup>](#)**
  - Call for papers - [www.spie.org/micall2](http://www.spie.org/micall2)
  - SPIE will be held in Orlando, FL from February 21-26, 2015
    - Dr. Judy hopes to encourage additional collaboration with the lung density projects via networking
    - Group members are encouraged to submit abstracts for this conference
    - Any suggestions for abstracts are welcome: [philipfjudy@philipfjudy.com](mailto:philipfjudy@philipfjudy.com).
- **[AAPM meeting: July 20-24, 2014](#)**
  - Dr. Judy is considering a face-to-face meeting at AAPM to encourage collaborative discussions on the Profile effort
  - Dr. Judy will provide RSNA staff with some suggested dates/ times for a Doodle Poll

### Action items:

- RSNA staff to follow up with Dr. Judy regarding a Doodle Poll for a possible face-to-face meeting at AAPM (July 20 - 24, 2014)
- Dr. Judy to draft a QIBA meeting support proposal form for an ad-hoc meeting for qCT of the Lung at a 2015 conference
- Drs. Chen-Mayer and Fain to send citations to Dr. Judy for inclusion in his Endnote program: [philipfjudy@philipfjudy.com](mailto:philipfjudy@philipfjudy.com).

**QIBA COPD - Asthma / CT Lung Density Tech Cttee next call:** 6/11/2014