QIBA Lung Density Technical Committee
June 25, 2014 at 2 PM CT
Call Summary

In attendance

*Philip F. Judy, PhD (Chair)*
Heather Chen-Mayer, PhD
Matthew Fuld, PhD
Bernice Hoppel, PhD

RSNA
Zachary Levine, PhD
Songtao Liu, MD

Joe Koudelik
Julie Lisiecki

**Agenda 6/25/2014:** COPD-Asthma/Lung Density Technical Committee
1. Organization – Renaming Committee
2. AAPM Face-to-face Tuesday noon
3. Status of AEC and IR Project
4. Possible material SPIE presentation
   a. Histogram correction using COPDGene Phantom as CT number reference
   b. Reference standard?
5. Volume correction
   a. Update
   b. Public database
6. Review of acquisition and reconstruction specifications
   a. Update
7. Citations to Profile
8. Plan for analysis - sections of Profile

**Next call:** Wednesday, July 9, 2014 at 2 pm CT

**Discussion:**
- Per Dr. Judy, the official group name has been changed to, “QIBA Lung Density Technical Committee,” to better reflect its work
- Dr. Judy would like an updated status report for the AEC/IR project, as any Round-4 project **revisions are due to RSNA by July 7th**.
  - Dr. Fain to examine proposed project budget for possible reductions
  - Dr. Fain is working on a concise statement of claims for a more general audience by the July AAPM meeting
  - A recent paper comparing AEC methods across different vendors from Dr. John Boone’s group may prove helpful
  - Suggestion to utilize some of the methods and design approach related to the anthropomorphic Anderson chest phantom discussed by Dr. Newell at the recent STR meeting
    - Dr. Newell had discussed results for IR, and the group hopes to utilize similar comparison metrics to those presented for Siemens and GE.
- Dr. Chen-Mayer discussed her progress with a linear regression method using global correction and NLST data; the method may be promising due to its relative ease of use
- Dr. Fuld indicated that more data are needed with an application of corrections to a range of values
  - Care must be taken not to make any claims that are not FDA approved, e.g., no CT scanner has ever been FDA approved for screening purposes
  - Parameter specification must be firm
- **AAPM meeting: July 20-24, 2014**
  - Per the Doodle Poll results, Dr. Judy has scheduled a face-to-face meeting at AAPM to discuss the Profile, to be held Tuesday, July 22nd starting at noon, - location TBD
- **SPIE Medical Imaging Conference Abstracts due August 4th**
  - SPIE will be held in Orlando, FL from February 21-26, 2015 | Abstract suggestions: philipfjudy@philipfjudy.com.

**Action items:**
- Drs. Chen-Mayer and Fain to send citations to Dr. Judy for inclusion in his EndNote program: philipfjudy@philipfjudy.com.

QIBA CT Lung Density Tech Ctte next call: 7/9/2014