QIBA Lung Density Technical Committee
July 9, 2014 at 2 PM CT
Call Summary

In attendance
Philip F. Judy, PhD (Chair) Bernice Hoppel, PhD
Andrew Buckler, MS Zachary Levine, PhD
Heather Chen-Mayer, PhD Nancy Obuchowski, PhD
Matthew Fuld, PhD Daniel Sullivan, MD

RSNA
Joe Koudelik
Julie Lisiecki

Agenda 7/9/2014: Lung Density Technical Committee
1. AAPM Face-to-face Tuesday noon
2. Status of AEC and IR Project
   a. Revision submitted?
3. Possible material SPIE presentation
   a. Histogram correction using COPDGene Phantom as CT number reference
4. Volume correction
   a. Update
   b. Public Database
   c. PFJ - Comments on obesity constriction of lung volume
5. Review of acquisition and reconstruction specifications
   a. Update
6. Citations to Profile
7. Plan for analysis sections of Profile

Next call: Wednesday, July 30, 2014 at 2 pm CT

Discussion:
- Dr. Chen-Mayer provided an update on the literature search on evaluation of bias and precision for longitudinal measurements
  - Drafting some precise wording for the claim to solicit feedback from the rest of the group.
  - Dr. Obuchowski will aid with the metanalysis and phrasing the claim in statistical and metrological terms
  - Items for further consideration include random vs. fixed repeatability coefficients, and their application to biological significance and intended clinical usefulness
    - Based on assessment of studies in a fixed-effects model, it appears that the random effect model may be more applicable

- RSNA staff to poll for an optimal time for a t-con for Drs. Fuld and Hoppel and other equipment manufacturers to discuss parameters.

- AAPM meeting: July 20-24, 2014
  - An informal face-to-face meeting at AAPM to discuss the Profile, to be held Tuesday, July 22nd starting at about noon, local time. Location TBD by Dr. Judy.

- 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: 7/30/2014