QIBA Lung Density Technical Committee
July 30, 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

Zachary Levine, PhD
Joshua Levy
Songtao Liu, MD
Jered Sieren
Daniel Sullivan, MD

RSNA
Joe Koudelik
Julie Lisiecki

Agenda 7/30/2014: Lung Density Technical Committee
1) Report on AAPM Face-to-face Meeting
   a) Claim
   b) Volume Correction
2) Status of AEC and IR Project
3) Possible material SPIE presentation – Phil Judy has decided not to submit abstract
4) Volume correction
   a) Public Database with recommended correction?
5) Review of acquisition and reconstruction specifications
   a) Update
6) Citations to Profile
7) Plan to analysis sections of Profile

Next call: Wednesday, August 13, 2014 at 2 pm CT; there will be no call on Wednesday, August 27th.

Discussion:
- Dr. Fain provided an overview of the meeting of Lung Density Technical Committee members during AAPM.
- The group discussed the following topics:
  - Agreement to use 16-channel architecture systems or greater for scanning equipment
  - In addition, a specific metric is desired for defining scanners rather than a list of parameters
  - Claims document and what is needed to finalize it
  - Claims without volume correction (Dr. Fain)
  - Claims with volume correction (Dr. Chen-Mayer)
  - Extended discussion of Profile targets for noise and spatial resolution
  - Focus on what manufacturers can do to aid in provision of a standardized test object
  - COPDGene 2 test object and test methodology
- Dr. Chen-Mayer provided an update on the volume correction issue
  - Decision not to support a specific volume in the next draft of the Profile
  - Bias and limits of agreement will be summarized across various approaches and an average will be provided
  - Will need to stipulate thresholds for progression and response
- Dr. Judy mentioned an update to the claims template provided by Dr. Obuchowski to include a simpler statement for non-technical staff as well as the needed indices within the body of the template
- Dr. Judy indicated that he would fill in the template for the special issue of the QIBA Newsletter.
- The discussion on the next call will focus on editing draft materials for the claim, linked with volume correction discussion.

Action items:
- Dr. Fain will send a finalized draft Profile to the group for review once it is available
- Dr. Judy will complete the RSNA template for the special issue of the *QIBA Newsletter*
  - Dr. Fain will provide Dr. Judy with presentations, publications, etc. that relate to his funded project
- 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: 8/13/2014