QIBA Lung Nodule Assessment in CT Screening Writing Group
3 October 2013 at 3 PM CT
Call Summary

In attendance:

David S. Gierada, MD (Co-Chair)	Matthew Fuld, PhD	**RSNA:**
James L. Mulshine, MD (Co-Chair)	Kavita Garg, MD	Joe Koudelik
Rick Avila, MS	Daniel C. Sullivan, MD	Julie Lisiecki
Andrew J. Buckler, MS	David F. Yankelevitz, MD	

Profile Discussion

Dr. Yankelevitz reviewed his Profile edits/suggestions.

Group consensus re: scanner technical performance and Claim language discussed

Follow up Items include:

- o Patient prep instructions for screening
- o Claim section – merged comprehensive statement with a focus on small nodule definition to be reviewed
- o Mr. Avila to provide ABIGAIL lesion size measurements to aid in defining technical parameters for scanners and the image acquisition process:
    - ▪ 5 mm (100% change)
    - ▪ 8 mm (30 – 35% change)
    - ▪ 10 – 11 mm (20 – 23% change)
    - ▪ Any lesion change beyond these percentages would reflect true biological change at a 95% confidence interval

Trade-off exists between noise and resolution when lowering dose

Technical parameters need to maintain high resolution without utilizing edge enhancement kernels.

- o Possible recommendation for reconstruction kernel with a focus on low dose.
- o It may be helpful to specify effective mAs.

Some of the homework assignments were as follows:

Mr. Avila to update appropriate section with numbers from the ABIGAIL study

Mr. Avila to describe/layout how his mathematical model works and performs, i.e., how to simulate nodules within various physical scenarios (technical details slated for the appendix)

Mr. Buckler to streamline the working document

Group to start with items not covered yet on the next call in preparation for the IASLC conference in Sydney, Australia (Oct 27-30).

The next call will be **Thursday, October 17th** at **3PM CT.**

RSNA 2013 Annual Meeting - QIBA Technical Committees Working Meeting:

Wednesday, December 4th| 2:30pm – 5:00pm| Chicago, McCormick Place| Room: **N136**

Please let us know whether you plan to attend by responding to the following poll**:** http://www.doodle.com/fwf76ceggb78r75b.