

QIBA Lung Nodule Assessment in CT Screening Writing Group

17 October 2013 at 3 PM CT

Call Summary

In attendance:

Sam Armato, III, PhD (Co-Chair)

David S. Gierada, MD (Co-Chair)

James L. Mulshine, MD (Co-Chair)

Rick Avila, MS

Matthew Fuld, PhD

Kavita Garg, MD

Philip Judy, PhD

Anthony Reeves, PhD

Jenifer Siegelman, MD, MPH

Daniel Sullivan, MD

David Yankelevitz, MD

RSNA:

Joe Koudelik

Julie Lisiecki

Profile Discussion

Dr. Gierada reviewed Table 3.4.2 on Specifications for the Profile.

Dr. Fuld reminded the group that their primary goal is determining the measurands and how to quantify them.

Dr. Mulshine requested that Dr. Yankelevitz provide some generic language for the scanner criteria, applicable to different types of scanners

Some issues that will require follow up:

- With regard to parameters:
 - 1 mm or less per slice can be achievable
 - Pitch must be restricted
 - The patient must hold their breath for 10 seconds or less
- With regard to verification tests:
 - Noise
 - Sampling rate
 - Slice thickness
 - Quality control

Keeping measurements as simple as possible is a continuing goal, though technologists are constrained by keeping the dose as low as possible yet still producing a diagnostic scan.

- Dr. Gierada and Mr. Avila to propose text describing limits of acceptable scanner pitch performance and tube potential
- Dr. Yankelevitz and Mr. Avila to collaborate with Dr. McNitt-Gray on some suggested wording for low-dose constraints
- For larger-than-average patients, the computed tomography dose index (CTDI) should be used with appropriate precaution for patient size.

Action items:

Dr. Yankelevitz to provide some scanner criteria text to Dr. Gierada

Co-chairs to confirm whether the next call should be scheduled for Thursday, October 31st at 3 pm CT, the day after the end of the IASLC conference in Sydney, Australia (Oct 27-30).

Dr. Yankelevitz and Mr. Avila to collaborate with Dr. McNitt-Gray on suggested wording for low-dose constraints

The next call is scheduled for **Thursday, November 14th at 3 PM 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/fwf76cegg78r75b>.