

QIBA COPD/Asthma Technical Committee Update

July 20, 2011 at 2 PM CDT

Call Summary

In attendance

Philip Judy, PhD (Co-chair)
John Newell, Jr, MD (Co-chair)
Andrew Buckler, MS
Sean Fain, PhD
Joshua Levy
Baojun Li, PhD
Daniel Sullivan, MD

RSNA

Joe Koudelik

Agenda:

- Revision of the CT Lung Density Profile
 - Open issues discussed
 - Meaning of “standardization”: meeting a threshold vs. being identical (matching number)
 - Specifying procedure to allow multiple scanner use in clinical trials
 - Practicality of Claim based on clinical vs. trial differences
 - Tech Ctte to identify what can be accomplished and work needed to support our initiative
 - Patient appropriateness/ subject selection
 - DICOM tags
 - Aspirational levels of performance (acceptable/target/ideal)
 - Vol-CT TC settled on a single performance level supported by data
 - Compliance issues for both patient and manufacturer
- Approach to specifying radiation dose for lung density measurement
 - Need to establish measurement reproducibility as a function of radiation dose
 - Effective current modulation techniques to be used to maintain same noise level

Next steps:

- Dr Judy to incorporate dose concept into COPD Profile
- Next COPD/Asthma LDCRS WG update call: Wednesday, July 27, 2011 at 2 PM CDT
- Next COPD/Asthma TC update call: Wednesday, August 3, 2011 at 2 PM CDT