

QIBA COPD/Asthma Technical Committee Update

March 23, 2011 at 2 PM CDT

Call Summary

In Attendance

Philip Judy, PhD (Co-chair)
Andrew Buckler, MS
David Gierada, MD
Berend Stoel, PhD
Brian Thomsen
Daniel Sullivan, MD

RSNA

Joe Koudelik

General Discussion Topics:

- Plans for Round 2 of QIBA funding discussed
- COPD Protocol at 28 pages too large; needs to be reduced to make more manageable
- Group to focus on Profile development as well, though Profile format found cumbersome to handle
- Knowledge gaps identified:
 - Image acquisition parameters:
 - Pitch
 - Beam collimation
 - Affect on quantitative measures
 - mAs / kv
 - Optional reconstruction algorithms
 - Best parameter to measure emphysema and airway trapping
 - Methods for volume corrections
 - Normal range variation based on height, weight, BMI, race, gender, etc
- Dose-to-noise, reconstruction kernels and measurement of nodules discussed

Next steps:

- Continue reviewing protocol offline and as a team on future calls; group feedback needed
- Dr Lynch to request all group members to review protocol section 7 before next general business update call
- Dr Lynch to circulate updated gap analysis and Dr Judy's RFP (for QIBA funding) for group feedback by next call in two weeks
- Next call scheduled for Wednesday, April 6, 2011 at 2 PM (CDT)