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 of 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)