QIBA COPD/Asthma Strategic Plan Working Group Update
August 11, 2011 at 2 PM CDT
Call Summary

In attendance
Philip Judy, PhD (Co-chair) Eric Hoffman, PhD
John Newell, Jr, MD (Co-chair) David Lynch, MB
Andrew Buckler, MS Jered Sieren
Sean Fain, PhD Daniel Sullivan, MD

RSNA
Joe Koudelik
Julie Lisiecki

I. Progress Reports

• Dr. Judy gave an update regarding progress of the test object (phantom)
  ○ Exploring cone beam and large collimation issues
  ○ Working with Drs. Chen-Mayer and Li on these topics
• Dr. Hoffman /Mr. Sieren are working with Mr. Chan to analyze the data object using a linear mixed effect model
• Mr. Buckler gave an overview of how QIBA groups have structured their projects demonstrating the use of Gantt charts and the biomarker roadmap
  ○ QIBA group activities have interdependencies
    • Activities build groundwork
    • Certain deadlines and obligations must be met for work to proceed
    • Milestones may need to be documented for the NIBIB contract

II. Proposed “Quantitative CT of the Lung” meeting in conjunction with STR meeting (Society of Thoracic Radiologists)

• Dr. Lynch, with input from Jonathan Goldin, has put together a draft agenda for a one-day meeting for Quantitative CT of the Lung colleagues
• Would like the input of the group on speaker selections (not invited yet)
• STR will provide CME for this one-day meeting for Quantitative CT of the Lung
• Group did not have a scientific home at any of the larger meetings; this seems like a good opportunity to get the dedicated working groups to move the whole field forward
• If successful, this may become a yearly event at STR
• Dr. Judy felt this would be a good collaborative opportunity to invite partners at NIST and AAPM
• Dedicated volunteer coordinator will be needed
• Possibility of rotating this one-day meeting for Quantitative CT of the Lung among 3 meetings:
  ○ STR, AAPM, RSNA

III. Where to Begin with Strategic Plan Updates

• Dr. Judy would like to begin with clinical activities and a retrospective analyses of the data
• Questions to consider:
  ○ Will plan be in terms of a biomarker qualified for drug development? Or
  ○ Individual patient management? Or
  ○ Both?

IV. Possibility of three protocols

• Comprehensive assessment of parenchyma and airways
  ○ (Will a reduced radiation dose result in a tradeoff in performance?)
• Composite protocol – parenchyma / airway simultaneously
• Trade-off protocol – dose and performance
• Idealized comprehensive protocol? (parenchyma airway trapping and sample slices)

Next steps:
• Dr. Newell to follow up with Mr. Buckler regarding Gantt charts/ project examples
• Group in Iowa (Drs. Newell and Hoffman, Mr. Sieren) to draft a preliminary protocol using the UPICT template prior to the next mtg

Next calls:
• Next COPD/Asthma TC update call: Wednesday, August 24, 2011 at 2 PM CDT
• Next COPD/Asthma Strategic Plan WG update call: Thursday, August 25, 2011 at 2 PM CDT
• Next COPD/Asthma LDCRS WG update call: Wednesday, August 31, 2011 at 2 PM CDT