

QIBA COPD/Asthma Technical Committee Update

July 6, 2011 at 2 PM CDT

Call Summary

In attendance

Philip Judy, PhD (Co-chair)

John D. Newell, Jr., MD (Co-chair)

Sean Fain, PhD

David S. Gierada, MD

Baojun Li, PhD

David A. Lynch, MB

Jered Sieren

Daniel C. Sullivan, MD

RSNA

Fiona Miller

Joe Koudelik

Julie Lisiecki

Proposed Name Change:

- Dr. Judy provided a brief explanation of the co-chair transition and reasons for strategic planning
- Group debated the merits of a name change vs. the established existing “brand”
- It was decided that the group name will remain the same to reflect the group’s identified work

VolCT Profile template questions:

- Parameters from the Vol CT Profile were discussed
 - Are they scanner specific? Are the numbers “placeholders” or true measurements?
- Challenges:
 - How to extract various measurements
 - How to keep various people engaged

Focus of the Profile: Biomarker or Disease-Based?

- Composite approach: where the Profile is a combination of various biomarkers?
- Composite vs. Individual (eg, density) biomarkers discussed
- Disease-focused approach?
- Attenuation issues affect nearly all biomarkers discussed
- Dr. Judy recommended keeping the intended audience in mind as the Profile is written -
 - “Vendor surrogates” – technical representatives/ engineers as the intended audience, as they will be most concerned with calibration and reference standards
 - Must show a revenue-specific reason why any improvements / standardization procedures should be implemented
 - End goal is for the Profile is to explain how to get reproducible, reliable, quantitative CT results
- Profile structuring and assembly
 - How much time should subject matter experts devote vs. technical writing?
 - Need to streamline assignments and use simple language – wordsmiths can adjust as needed
- Protocol or Profile...which to pursue first?
 - Would the Profile be for general use that will lead to a more specific protocol?
 - Will a protocol be crafted for a multi-center research trial?
 - Mr. Sieren recommended a “menu” format for the Profile document – choices for various situations

Next Steps:

- Clarification needed – goals, focus, and method that will be used to review documents
- Determine group purpose; clean up facts in the document; reach group consensus
- RSNA staff to distribute organizational chart to the group
- Mr. Sieren to edit numbers based on Spiromics measurements
- Dr. Newell to contact Dr. Stoel for input regarding some of the basic parameters and rationale
- Dr. Judy to specify some of the parameters related to attenuation and calibration
- Next COPD/Asthma Tech Ctte update call: Wednesday, July 20th at 2 pm CDT