

QIBA COPD/Asthma Technical Committee

December 5, 2012 at 2 PM CT

Draft Call Summary

In attendance

Philip F. Judy , PhD (Chair) Zachary Levine, PhD
Paul Carson, PhD David Lynch, MB
Heather Chen-Mayer, PhD Mark Schiebler, MD
Barbara Croft, PhD Jenifer Siegelman, MD, MPH
Bernice Hoppel, PhD

RSNA

Joe Koudelik
Julie Lisiecki

Agenda:

1. Review of RSNA QIBA Meeting
 - Material for distribution: (*TC Update.ppt , FDA Guidance.pdf, COPD/Asthma Breakout Notes*)
 2. Repeatability/Reproducibility literature evaluation for purpose of make claim
 - Material for distribution: (*Citations.pdf and Questions.xlsx*).
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Discussion:

1. Review of RSNA QIBA COPD Asthma Meeting at RSNA 2012

- Possible new subcommittee was suggested to address inconsistencies between scanners – using lung and trachea results to demonstrate different hardening effects
- A set of emphysema CT histogram metrics will need to be specified for the Profile
- FDA Guidance from November 2007 on lung tissue structure was discussed
- Trial suggested with low dose protocol with claims based on repeatability and reproducibility in the literature

2. Repeatability/Reproducibility literature evaluation for claim development

- Goal: Define repeatability and reproducibility CT lung density measures for claim in the Profile
 - Dr. Fain has invited the tech ctte to *DropBox* to share references for review
 - Volunteers for this effort include: *Drs. Chen-Mayer, Levine, Lynch, and Siegelman*
 - More volunteers for literature review are welcome.
 - Literature review volunteers asked to read at least two articles and fill in Excel spreadsheet to extract precision attributes.
 - Dr Judy to develop list of what items to search for and collect from the lit review.

3. 2013 International Workshop for Pulmonary Functional Imaging (IWPI) [July 20, 2013](#)

- Dr. Judy to finalize the QIBA program and submit a proposal with agenda to the QIBA Steering Committee

4. COPD Biomarker Qualification Meeting (February 5-6, 2013, Bethesda, MD)

- Dr. Crapo is in charge of the imaging part of the agenda for this meeting.
- FDA is the primary audience for this meeting with presentations to focus on the number of biomarkers available for longitudinal evaluation, CT attenuation evaluation, small airways index, radiation dose, reproducibility and emerging biomarkers
 - Team to include short presentation on MRI and textural CT (emerging biomarkers)

Next Steps

- Volunteers for literature search to read at least two articles and fill in Excel spreadsheet with extracted precision attributes. (Articles available on *DropBox* via Dr. Fain's invitation.)
- Dr. Judy to finalize the QIBA program for IWPI and submit a proposal with agenda to the QIBA Steering Committee
- Dr. Lynch planning to send invitations for the QCT workshop (July 20, 2013) at UW-Madison soon.
- Dr. Judy preparing for the CBQC meeting in February.

Next calls: QIBA COPD/Asthma Update Call, [Wednesday, 2 pm CT, December 19th, 2012](#) and [January 9th, 2013](#)