

QIBA COPD/Asthma Technical Committee (TC)

July 24, 2013 at 2 PM CT

Call Summary

In attendance

Philip F. Judy, PhD (Chair)

Harvey Coxson, PhD

Sean Fain, PhD

David Lynch, MB

RSNA

Fiona Miller

Joe Koudelik

Julie Lisiecki

COPD/Asthma Technical Committee Agenda, 7/24/2013

1. Conference call schedule – profile draft completion
2. 6th International Workshop for Pulmonary Functional Imaging
 - a. Proceedings attached
 - b. TC Face-to-face meeting
 - i. Will recommend current modulation/AEC acquisition because lower mAs will lead to unsatisfactory image quality
 - ii. Round robin of COPD Gene Phantom with various size rings scanned with current modulation/AEC protocols. Sean Fain will draft a protocol
 1. GE – Madison
 2. Siemens – Iowa
 3. Toshiba – Brigham
 4. Philips – Heidelberg
 - iii. Proposed QIBA co-sponsored conference during STR – March 15, 2014 San Antonio. Would include MRI.
3. European Society of Radiology- Hans-Ulrich Kauczor from Heidelberg, Chair of Research Committee is creating a subcommittee on imaging as a biomarker. Had conversation with David Lynch during 6th International Workshop for Pulmonary Functional Imaging
4. James Crapo expressed interest in telephone -conference about the COPD Biomarker Qualification Consortium efforts.

Discussion topics:

IWPF Update - July 17-20: Lung Function Workshop

Drs. Levine and Fain are preparing summary notes from the meeting that will be distributed to the tech committee

Profile Development

Scope of Profile technical performance parameters supported by literature vs. best practices discussed

Goal to develop protocol method that would reduce dose and make noise more consistent across vendor platforms

Multi-site experiments are planned with a modified “anthropomorphic version” of the COPD Gene phantom

- Scanners that would be represented at volunteer sites include: Toshiba, GE, Siemens, and Philips

Dr. Coxson reminded the group that data collection is vital and should include iterative dose reconstruction

European Society of Radiology (ESR) has a new effort similar to QIBA.

- Dr. Lynch has suggested that Dr. Sullivan follow up with Dr. Hans-Ulrich Kauczor to discuss collaboration with QIBA's COPD/Asthma Technical Committee.
- Dr. Crapo expressed interest in meeting with CBQC members at the ESR meeting.

Dr. Lynch mentioned the possibility of a QIBA COPD/Asthma/MRI education meeting in conjunction with the Society of Thoracic Radiology (STR) annual meeting, March 15, 2014 in San Antonio, TX.

- Details are yet to be determined; however, the application to present at the meeting is due mid-August.
- Dr. Lynch would like to circulate a draft proposal to the group for feedback within the next week.
- Some suggestions from the UW-Madison meeting for a 2014 meeting included:
 - A panel discussion of experts that would include a clinician.
 - A sponsored lunch-time image-analysis session.
 - The focus of the meeting would be targeted to the needs of thoracic radiologists.
 - Dr. Judy will be invited to present the first complete draft of the QIBA Profile for COPD/Asthma.

Action items:

Feedback requested by Dr. Judy on Profile draft to-date up to the section on analysis: philipfjudy@philipfjudy.com.

Dr. Judy to incorporate suggestions and distribute edited draft of Profile prior to August 14th call

Feedback regarding a QIBA session at the STR meeting in March 2014 may be sent to Dr. Lynch: LynchD@NJHealth.org.
Dr. Judy to follow up with Dr. Sullivan regarding a call with Dr. Crapo to discuss as strategy for approaching CBQC
Dr. Judy to provide updated PowerPoint slides from this meeting to RSNA staff for distribution.

Upcoming Meetings: August 4-8: AAPM meeting | September 7-11: European Respiratory Society

Next call date(s): QIBA COPD/Asthma Tech Committee Update Call, **Wednesday, August 14, 2013, 2 pm CT**

Upcoming call dates: (also posted to QIBA wiki): August 28th, September 11th & 25th, October 9th & 23rd.