

## QIBA COPD/Asthma LDCRS Working Group Update

August 17, 2011 at 2 PM CDT

### Call Summary

#### In attendance

Philip Judy, PhD (Co-chair)  
John Newell, Jr, MD (Co-chair)  
Andrew Buckler, MS  
Heather Chen-Mayer, PhD  
James Colsher, PhD  
Alden Dima, MS

Sean Fain, PhD  
Zachary Levine, PhD  
Joshua Levy  
Baojun Li, PhD  
Jered Sieren

#### RSNA

Joe Koudelik  
Julie Lisiecki

#### I. Discussion of QIBA Poster for RSNA 2011

- Dr. Judy asked for volunteers to work on the poster representing the activities of the QIBA COPD/Asthma Technical Committee
- Samples from 2010 and 2009 are on the QIBA WIKI:  
[http://qibawiki.rsna.org/index.php?title=QIBA\\_and\\_UPICT\\_posters\\_from\\_RSNA\\_2010\\_Annual\\_Meeting](http://qibawiki.rsna.org/index.php?title=QIBA_and_UPICT_posters_from_RSNA_2010_Annual_Meeting)
- Posters (in electronic format) would need to be completed by mid-October for delivery.

#### II. Discussion of Open Image Archive Ad Hoc Committee (OIA) request

- QIBA Open Image Archives (OIA) -- User Requirements Specification -- Feedback Requested
  - QIBA image data repository – would like input from QIBA groups as to how each group uses and stores data, what important issues might exist relating to images, etc.
  - Replies to Dr. Zahlmann: [gudrun.zahlmann@roche.com](mailto:gudrun.zahlmann@roche.com) or Mr. Avila: [rick.avila@kitware.com](mailto:rick.avila@kitware.com)
- **Some comments shared:**
  - What about the Natl. Library of Medicine?
  - Why not go to an existing database and provide our data? Why an exclusive QIBA archive?
  - Dr. James Crapo has some existing information available
  - Two schools of thought: 1) insufficient data exists; 2) what exists is not as comprehensive as it could be
  - Cost? Availability? – These factors can affect use and relevance.

#### III. Presentation by Drs. Chen-Mayer and Levine (NIST) on foam calibration

- Road to a NIST traceable standard reference – working with foams of various densities to measure an attenuation unit that would correspond to a Hounsefield Unit (HU)
- Discussion of dual energy scanning and possible implications
- Discussion of calibrating foams in a scanner-independent manner and what vital information regarding the scanner is necessary for successful calibration
- **Note:** A copy of Dr. Chen's presentation was distributed to those on the call – *not* for open distribution, per Dr. Chen-Mayer's request

#### Next steps:

- Group to consider topics for the Tech Ctte poster at RSNA 2011
- Group to consider any requirements for open image archives and send suggestions to Dr. Zahlmann and/or Mr. Avila
- Dr. Levine to receive 40 foam blocks from Phantom Laboratory – will begin work on a prototype for standard reference material.
- Phantom from VIDA to be sent to NIST by Jered Sieren.

#### 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*