

QIBA Volumetric CT Group 3A Update
Thursday, 23 August 2012 at 11:30 AM CT (GMT-5)
Call Summary

In attendance

Maria Athelougou, PhD (Chair)

Hubert Beaumont, PhD

Andrew Buckler, MS

Alden Dima, MS

Howard Higley, PhD

Rudresh Jarecha, MBBS

Nicholas Petrick, PhD

Keith Persson, BS

Ganesh Saiprasad, PhD

Daniel C. Sullivan, MD

RSNA

Joe Koudelik

Julie Lisiecki

Next QIBA 3A Challenge Discussed

- It was decided that clinical data for cancer will be used in the next Challenge in order to measure volumetric changes of lung nodules in CT data
- Volunteer participants to consider what projects (i.e., phantom vs. clinical) would be of most value and meet their needs
- Proposed Doodle poll to potential participants (*members of the QIBA CT Volumetry and COPD/Asthma Technical Committees*) to determine focus of next challenge
 - Study organizers would provide verbiage to RSNA staff

Proposed Data Sources for next 3A Challenge

- Clinical data with focus on cancer
- Memorial Sloan-Kettering Data (test/retest “coffee break” data) – Drs. Schwartz and Zhao
- COPDGene phantom data

Challenge Design Considerations

- Availability of algorithms for COPD/Asthma
- Working in tandem with QIBA COPD/Asthma Technical Committee
- Consideration of two parallel challenges for CT Volumetry and COPD/Asthma:
 - Volume of lung lesions
 - COPD/Asthma
 - Available data for measurement/ how much data is available to design a challenge to be discussed on next call

Announcement/ Roll-out of Challenge(s)

- Mr. Buckler and Mr. Dima considering another QI-Bench Workshop in October in the Gaithersburg, MD area

Next steps:

- RSNA Staff to provide contact details for Dr. Athelougou, Dr. Judy, for discussion of proposed joint COPD/Asthma Challenge
- RSNA Staff to send query regarding a third challenge to QIBA CT Volumetry and QIBA COPD/Asthma Tech Cttes with preamble from study organizers

Next call: *Thursday, September 6, 2012 at 11:30 AM CT.*