

QIBA Volumetric CT Group 3A Update
Thursday, 7 February 2013 at 11:30 AM CT (GMT-6)
Call Summary

In attendance

Maria Athelougou, PhD (Chair)
Hubert Beaumont, PhD
Andrew Buckler, MS
Barbara Croft, PhD

Jovanna Danagouliau, PhD
Alden Dima, MS
Marios Gavrielides, PhD
John Lu, PhD

Nicholas Petrick, PhD
Ying Tang, PhD
David J. Vining, MD

RSNA

Joe Koudelik
Julie Lisiecki

Updates - second 3A Challenge kickoff meeting on February 25, 2013 at NIST

- Those interested in attending should register via email to Mr. Dima at: alden.dima@nist.gov.
- RSNA to remind meeting presenters to provide PowerPoint presentations **by February 20th** to study organizers:
 - Dr. Athelougou (mathelougou@definiens.com), Mr. Buckler (Andrew.buckler@bbmsc.com), and Mr. Dima (alden.dima@nist.gov).
- Mr. Dima to set up teleconference details and provide to RSNA staff/ remote speakers

Discussion

- It is possible that NIST may not be able to participate as a co-sponsor in the clinical study due to IRB approval issues at NIST
 - Mr. Dima is investigating this possibility, and if this is the case, slight modifications will be made to the participant agreement, and other official documents
- Dr. Danagouliau shared results from the Re-analysis provided a “dry run” with the QIBA 1B coffee-break data analysis using QI-Bench for Test-retest repeatability and Inter-reader reproducibility:
 - Descriptive statistics
 - Bland Altman
 - Lin’s Concordance Correlation Coefficient
 - Linear Mixed Effects Model
 - ICCs
 - Probability Density Function of Error
- The output of QI-Bench analysis models is in compliance with Metrology results
- Goal of consistent QIBA analyses is to allow for comparison and contrast among QIBA projects
- Pilot/Pivotal manuscript awaiting final content from co-authors

Checklist for reminder email for the QIBA 3A/ QI-Bench kickoff meeting

- Travel logistics
- Teleconference details to be provided by NIST for off-site attendees

Next Steps:

- Presenters for the NIST meeting to work on their PowerPoint presentations and provide slides to study organizers for review **by February 20th**; RSNA to send reminder using finalized agenda
- Mr. Dima to set up teleconference details and provide to RSNA staff/ remote speakers
- Participants in the pilot and pivotal studies to respond to RSNA staff **by Monday, February 11, 2013** with their FDA co-sponsorship agreement statement and author coordinates (*email, physical mailing address, phone, credentials*).

Next call: *Thursday, February 21, 2013 at 11:30 AM CT.*