

QIBA Volumetric CT Group 3A Update
Thursday, 17 January 2013 at 11:30 AM CT (GMT-6)
Call Summary – *annotated by Msrs. Buckler and Dima*

In attendance

Andrew Buckler, MS (guest moderator) Marios Gavrielides, PhD
Alden Dima, MS (guest moderator) Guillaume Orieux, MSc
Jovanna Danagouliau, PhD Ying Tang, PhD

RSNA

Joe Koudelik
Julie Lisiecki

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

- Study organizers have finalized the agenda for the kickoff meeting
- RSNA has emailed the finalized agenda and introductory e-mail to CT Volumetry, COPD-Asthma, and additional 3A participants
- Participant agreement will be sent to NIST lawyers for review
- Mr. Dima to set up teleconference details and provide to RSNA staff/ remote speakers

Discussion of updated study design

- Dr. Danagouliau shared some new study design details on QI-Bench:
 - Jovanna reiterated the three-tier statistical analysis, highlighting use of the workflow engine to call validated R scripts at the primary level, and posed the discussion of formats for the segmentation objects at the secondary and tertiary level.
 - In showing the data, Jovanna noted that the distractor cases are drawn from a smaller number of patients (8) and asked the group whether this presented a risk of the participant's being able to tell easily which were distractors versus which weren't. One way to mitigate this would be to truncate unnecessary slices – discarding anything beyond the bounding boxes to avoid providing too many clues to readers, since there are 20 lesions from only 8 subjects
- The discussion concluded that it was more important to mimic real-life systems, and the concern over participants using indirect observations like this to influence their submissions was unlikely. So it was decided to just leave the cases the way they were, without truncation.
- Dr. Gavrielides to review latest study design and comment on primary, secondary, and tertiary analysis details

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:

- Dr. Danagouliau to send latest version of study design to Dr. Gavrielides for review.
- Dr. Orieux to send an email explaining the issue of the segmentation object format to community to encourage discussion.
- Additional discussion regarding formats on the next call.

Next call: *Thursday, January 24, 2013 at 11:30 AM CT.*