

QIBA Volumetric CT Group 3A Update
Thursday, 13 February 2014 at 11:30 AM CT
Call Summary

In attendance

Maria Athelougou, PhD (Chair)
Hubert Beaumont, PhD
Andrew Buckler, MS
Rudresh Jarecha, MBBS

Adele Peskin, PhD
Nicholas Petrick, PhD
Daniel Sullivan, MD

Ying Tang, PhD
Pierre Terve, MSc
Binsheng Zhao, DSc

RSNA

Joe Koudelik
Julie Lisiecki

Update: Status of the Paper for the Pilot/Pivotal Challenge

- The paper based on the first challenge (pilot + pivotal) is undergoing review at NIST.
 - Dr. Peskin to update the group on the next call.

Update: Status of the Clinical Challenge as of 2/13/2014

- Analysis of the challenge data is underway, and a preliminary report is anticipated by the February 27th call.
- Mr. Buckler sent a preliminary draft of the clinical challenge paper to: Drs. Athelougou, Gavrielides, and Peskin, for initial review of adherence to FDA and NIST parameters. Dr. Peskin will review it first and send her draft to Drs. Gavrielides and Petrick for further review.
 - Feedback on the clinical paper draft is welcome: andrew.buckler@elucidbio.com.
- Twelve groups submitted .rdg files with no issues, and five groups submitted segmentation files, three of which had issues
 - The 3A Analysis Team is working with participants through RSNA to address these issues
 - Files must be compliant with the NIFTI format, and ITK_Snap is recommended as a resource
 - Mr. Buckler to send QI-Bench vCT Test-Retest Statistical Analysis - v0.5 to RSNA staff for distribution to those on the call
 - This document utilizes the same analytical modules as for the 3A study.

Action items:

- Dr. Athelougou will contact a MICCAI representative in order to invite her/him for a presentation about comparison of challenge methodologies concerning the statistical evaluation of algorithm results.
 - RSNA Staff to distribute QI-Bench vCT Test-Retest Statistical Analysis - v0.5 to those on the 2/13 call.
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Next call: *Thursday, February 27, 2014 at 11:30 AM CT.*