

**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 27<sup>th</sup> call.
- Mr. Buckler to send a preliminary draft of the clinical challenge paper to: Drs. Athelougou, Gavrielides, and Peskin, for initial review of adherence to FDA and NIST parameters.
  - Feedback on the clinical paper draft is welcome: [andrew.buckler@elucidbio.com](mailto: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.
  - Mr. Buckler to send a preliminary draft of the clinical challenge paper to: Drs. Athelougou, Gavrielides, and Peskin, for initial review of adherence to FDA and NIST parameters.
  - 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.**