

QIBA Volumetric CT Group 3A Update

Thursday, 5 June 2014 at 11:30 AM CT

Call Summary

In attendance

Andrew Buckler, MS (Moderator)

Hubert Beaumont, PhD

Heang-Ping Chan, PhD

Matthew Fuld, PhD

Marios Gavrielides, PhD

Adele Peskin, PhD

Nicholas Petrick, PhD

Daniel Sullivan, MD

Ying Tang, PhD

RSNA

Joe Koudelik

Julie Lisiecki

Update: Submission of the Paper for the Pilot/Pivotal Challenge to *Investigative Radiology*

- A first draft of the Pilot/Pivotal Challenge paper has been submitted to *Investigative Radiology* for review.

Update: Paper for the Clinical Challenge

- Drs. Peskin and Gavrielides to review the draft paper prior to submitting to NIST for official review.
- *Academic Radiology* is being considered as the primary journal for this submission.

CT Volumetry Profile discussion with regard to Image Analysis

- Mr. Buckler reviewed comments received for the clinical paper review, including:
 - Repeatability data
 - Performance metrics
 - Compliance levels
 - Bias and variability
 - Measurement/ image analysis tools
 - Methodology assessment
 - Spectrum of algorithm interchangeability
 - Feedback on the revised claim may be sent directly to Mr. Buckler: andrew.buckler@elucidbio.com.

Future work of Group 3A

- Group members to consider practical suggestions for the future work of Group 3A.
- Questions to consider include :
 - What is the most important work that should continue?
 - What are the necessary conditions and context?
 - Suggestions welcome to Dr. Athelougou: Mathelougou@definiens.com.

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.
- Dr. Athelougou asked group members to consider practical suggestions for the future work of Group 3A.
 - Suggestions welcome to Dr. Athelougou: Mathelougou@definiens.com.

Next call: Thursday, **July 10, 2014** at 11:30 AM CT.