

QIBA Volumetric CT Group 3A Update
Thursday, 18 September 2014 at 11:30 AM CT
Call Summary

In attendance

Maria Athelougou, PhD (Chair)
Hubert Beaumont, PhD
Andrew Buckler, MS
Heang-Ping Chan, PhD

Lubomir Hadjiiski, PhD
Rudresh Jarecha, MBBS
Nancy Obuchowski, PhD
Adele Peskin, PhD

Nicholas Petrick, PhD
Daniel Sullivan, MD
Ying Tang, PhD
Amit Vasanthi, PhD

RSNA

Julie Lisiecki
Madeleine McCoy

Update: Paper for the Pivotal Phantom Challenge

- The manuscript is with *Investigative Radiology* for review

Update: Paper for the Clinical Challenge

- Review is ongoing at both NIST and the FDA.

Proposed Vendor Independent Manuscript Based on the QIBA 3A Clinical Challenge

- Dr. Beaumont outlined his idea to self-identify and publish his company's results for the clinical study
- 3A Group feedback and suggestions invited
 - Dr. Athelougou commented that such a paper would be a "multiplier of the group's work"
 - Dr. Jarecha also responded favorably
 - Mr. Buckler added that no other vendors would be identified in Dr. Beaumont's paper, maintaining the rankings of anonymized algorithm performance via the community benchmark
 - If a vendor's algorithm performed well, publication could be a significant marketing strategy
- Some challenges were identified:
 - Publishing ahead of the overall study manuscript may "steal the thunder" of the 3A Challenge results
 - A paper and poster have been deemed acceptable with the understanding that only the individual vendor's results would be discussed, not a comparison to the main study group.
 - QIBA 3A challenge participants are asked to share insights: andrew.buckler@elucidbio.com; mathelougou@definiens.com

Next Steps for Group 3A

- Discussion regarding whether Group 3A should propose and conduct a "field test" for testing Profile compliance
 - Additional data would be needed, along with sample size augmentation, and sequestration of some data for compliance testing at a later date.
 - It was determined that such an undertaking must be initiated and conducted by the parent QIBA Technical Committee, as Group 3A does not have the resources.
- The group is considering challenge options; suggestions welcome to Dr. Athelougou: Mathelougou@definiens.com.

Action items:

- Practical suggestions for the future work of Group 3A to be sent to Dr. Athelougou: Mathelougou@definiens.com.

Next call: Thursday, **October 2, 2014** at 11:30 AM CT.