

QIBA Volumetric CT Group 3A Update

Thursday, September 8, 2011; 11 AM CDT

Call Summary

In attendance

Maria Athelougou, PhD (Chair)

Hubert Beaumont, PhD

Andrew Buckler, MS

Dirk Colditz, PhD

Alden Dima, MS

Dave Gustafson, PhD

Grace Kim, PhD

Daniel C. Sullivan, MD

Ying Tang, PhD

RSNA

Joe Koudelik

Julie Lisiecki

I. Finalization of study design documents

Per Mr. Dima, there are seven items to review:

1. Location of the (Pilot and Pivotal) data to be downloaded by study participants.
 - URLs must be finalized and included with the application.
2. Should QIBA membership be required to access the data?
 - It was decided that the study must remain open to all; not restricted to QIBA membership
3. Deadline of January 10th for the analysis of lesion variability and April 15th for participant submission of Pivotal volumes.
4. Identification of lesions in Pilot dataset –based on two groups. Some discussion regarding an identification scheme is needed.
 - Group one is allowed to optimize algorithms
 - Group two for inclusion in the power study only
5. Wording/ enforcement of rule not to use Pivotal data for algorithm optimization. Consideration of stronger language.
 - It was decided that a gentlemen's agreement is sufficient for this particular study.
 - Wording suggested was "obliged not to use," or "shall not use."
6. Wording of description including length of participant's algorithm. Suggestion of a checklist or standard vocabulary to ensure better inter participant consistency.
 - Dr. Athelougou to send a sample checklist or methods and results form for consideration
7. Confusing sentence regarding participation in the QIBA 3A study and potential of perceived preferential treatment by U.S. Government discussed
 - A simplified generic disclaimer was suggested for legal purposes

Other items:

- Discussion regarding developer-reported result vs. user-reported result
 - Developer-reported result was preferred
- Training vs. Test Data – "Training" data to serve as a control; Directions to participants will be the same
- Subset of lesion seed points still to be identified

Next steps:

- Mr. Dima and Mr Buckler to clarify and finalize the study documents. Work meetings may be called as needed in-between regularly scheduled calls, which will continue every two weeks.
- Questions regarding analysis and image markup (AIM) tools can be directed to Mr. Patrick Reynolds:
patrick.reynolds@kitware.com

Next regularly scheduled call: Thursday, September 22, 2011 at 11 am CDT.