

QIBA Volumetric CT Group 3A Update

Thursday, September 22, 2011; 11 AM CDT
Call Summary

In attendance

Maria Athelougou, PhD (Chair)

Hubert Beaumont, PhD

Andrew Buckler, MS

Dirk Colditz, PhD

Alden Dima, MS

Nicholas Petrick, PhD

Anthony P. Reeves, MD

Ying Tang, PhD

RSNA

Joe Koudelik

Julie Lisiecki

I. Update on study design documents in legal review at NIST

- One issue came up with NIST as Registrar:
 - Cannot preserve confidential information due to the “Freedom of Information Act”
 - Mr. Buckler has initiated talks with RSNA about providing ongoing anonymization; a planning group will meet Monday, September 26th to finalize a solution
- Mr. Buckler and Mr. Dima hope to have an updated document by Wednesday, September 28th

II. Challenge Project

- Mr. Dima is working with Dr. Saiprasad to work out some issues with 1A data and seed points
 - They hope to resolve these issues in the next week and have a finalized set by September 30th.
- It was decided that all deadlines can remain as stated.
- Dr. Petrick commented that the 1A study was completed in approximately 6-8 weeks
 - The pilot only took a few weeks; however, CoreLab Partners pre-coordinated the readings with 2 readers
- Group 3A is targeting the end of January for completion of the pilot study
- A pre-notice to specific interested parties was suggested; possibly a “co-announcement” via Dr. Reeves’ network
- Mr. Buckler suggested notification via the QIBA list used for public comment the week of January 10th
- Suggestion to use a template similar to the RFP for RSNA’s “Quantitative Imaging Reading Room” –
- NIST and QIBA Logos to be used for the invitation:

Items to request from participants in the Challenge:

- URLs for papers must be finalized and included with the application
- Brief description of methodology and algorithm – an abstract of no more than 5-6 sentences.
- Include workflow and interaction of the user.
- Require version number and identification to determine what was tested.
 - This information is covered in section 2.4 of the study design
 - Will be necessary for future publication; longer description will be requested for the pivotal study
 - Don’t want to discourage radiologists or others who may wish to participate with too many forms

III. Working forms for Challenge Project participants

- A data entry spreadsheet for participants to be used for submitting results.
- Word form with prompts for required application questions
 - Include study design with pivotal study, not pilot.

Next steps:

- Mr. Dima and Mr Buckler to clarify and finalize the study documents close to the end of September with Dr. Saiprasad.
- RSNA Staff to post Study Design 0.7 on the QIBA WIKI (complete); Mr. Buckler to email this version to Dr. Athelougou.
- Dr. Athelougou to send a sample checklist or methods and results form for consideration for participant consistency

Next regularly scheduled call: **Thursday, October 6, 2011 at 11 am CDT.**