QIBA Volumetric CT Group 3A Update

Thursday, July 28, 2011; 11 AM CDT

Call Summary

In attendance		RSNA
Maria Athelogou, PhD (Chair)	Nicholas Petrick, PhD	Joe Koudelik
Hubert Beaumont, PhD	Patrick Reynolds, MS	Julie Lisiecki
Andrew Buckler, MS	Matt Saunders	
Alden A. Dima, MS	Ying Tang, PhD	
David Gustafson, PhD		

I. **Application and Data Submission Deadlines discussed for this Project/ Challenge**
- Advertising period: **End of August through September 15, 2011**
- Deadline to submit completed applications for participation: **October 15, 2011**
- Deadline to submit results of completed challenge: **November 30, 2011**
    - Group to readdress these timelines on the August 11th call.
    - Other considerations:
        - Use RSNA meeting to invite/ announce challenge for greater participation and international visibility
        - Pilot study completed with preliminary results proposed by *RSNA 2011*
        - Would like to complete project by the end of December 2011

II. **Review of collaborative BBMSC/ NIST data portal (Mr. Buckler)**
- **http://dev.bbmsc.com – MIDAS portal** for public access to data from QIBA project 1A and future QIBA projects
- Mr. Saunders and Mr. Reynolds are loading subject description files for reference
- Portal will contain actual imagery with study description files (imagery to be made public after publication)
- *Headers include*: image formation, seed points, results, truth data (synthetic lesions), etc.
- Analysis of variance for various experimental factors
- Mr. Saunders is working to fill in the spreadsheet on lesion seeding –
    - For each of the data sets, there are multiple lesions
    - For each set of lesions – one seed point will be provided to participants
    - Will use one seed point and one measurement per lesion in the pilot study

III. **Registrar**
- Objective collection point by an organization that is not a participant to administer the challenge, including:
    - Drafting the various documents needed, e.g., the participant agreement and detailed protocol
    - Posting to a web site to make the challenge known
    - Handling the sourcing of data and collection of results
    - Conducting the analysis and preparing publications
    - Communications back to participants with regard to their individual results
- Two possibilities exist for Registrar: through Andrew Buckler as QIBA Program Director; and NIST, through Alden Dima as Informatics Program Liaison
    - During the meeting it was confirmed that Andrew Buckler and Alden Dima were each available to provide any needed support
    - After the meeting, Mr. Dima confirmed that NIST is willing and interested to serve as official Registrar

Next steps:
- **Challenge documents drafts to be prepared by registrar (Mr. Dima working with Mr. Buckler) with strategy ready for discussion with team by next call, August 11th:**
  1) Participant application with information for participants
  2) Input tabs for the portal spreadsheet
  3) Advertisement blurb
- Group to readdress the timelines on the August 11th call.

Next regularly scheduled call: Thursday, August 11, 2011 at 11 am CDT

Note: all documents are posted to the QIBA wiki at: http://qibawiki.rsna.org.