QIBA Volumetric CT Group 3A Update
Thursday, January 26, 2012; 11 AM CST
Call Summary

In attendance

Maria Athelogou, PhD (Chair)	Gregory Goldmacher	Ying Tang, PhD
Hubert Beaumont, PhD	Grace Kim, PhD	
Andrew J. Buckler, MS	Ninad Mantri, MS	**RSNA**
Alden Dima, MS	Nicholas Petrick, PhD	Joe Koudelik
Dirk Colditz, PhD	Anthony Reeves, PhD	

1. **Update on the QIBA Group 3A Challenge**
   - *Deadline reminder for the PILOT study:*
     - Application for participation and anonymous ID – Friday, January 20, 2012
     - Data submission - Wednesday, February 29, 2012
     - Analysis/ results extended to – Wednesday, March 28, 2012

2. **MICCAI conference, October 1-5, 2012 (*Nice, France*)**
   - Group has agreed to present pilot study results
   - Two possibilities discussed for presenting results
     - Submit a paper (deadline is March 1); does not leave much time
     - Participate in a workshop (deadline not known, but later than paper submission)
       - Workshop focus not yet known
   - Important dates to note in order for a presentation to take place are as follows:
     - March 1, 2012 – submission of full papers (no extension)
     - May 22, 2012 – acceptance of papers for conference
     - Oct 1 – 5, 2012 – presentation at conference

3. **Study Design Update**
   - Dr. Kim provided a statistical plan overview of the study design
   - ANOVA full model stat plan based on a four factors (eg, nodule shape, density, slice thickness, participant)
   - Mr. Buckler discussed the alternate multiple regression correction (MRC) approach for comparison
     - ANOVA seen as comparing overall differences among values; MRC compares with a value back to a known reference value and deemed somewhat more flexible
   - Due to poor performance, reference algorithm used in the RADAR plot may cause confusion; suggestion was to remove this data entirely
   - Definitions concerning how variability is defined requires more discussion; more statistical consideration needed
   - Note not to spend much time on stat approach until more Challenge data is received

Next steps:
   - Dr Kim to utilize two separate stat tools (approaches) to compare results; Dr John Lu may provide assistance (future project); waiting for additional Challenge data to proceed
   - Dr Kim to share stat approach with Dr Petrick for feedback
   - RSNA Staff to provide Challenge status update on next call
   - RSNA staff to send a reminder mid-February to those who have not submitted data (deadline: Feb 29th)
   - 3A Challenge organizers to begin work on curation of the pivotal data for next phase

Next call: *Thursday, February 9, 2012 at 11 am CST*