QIBA Volumetric CT Group 3A Update
Thursday, June 9, 2011; 11 AM CDT

Call Summary

In attendance		**RSNA**
Maria Athelogou, PhD (Chair)	Grace Kim, PhD	Joe Koudelik
Hubert Beaumont, PhD	Anthony Reeves, PhD	
Andrew Buckler, MS	Daniel Sullivan, MD	
Dirk Colditz, PhD	Ying Tang, PhD	
Charles Fenimore, PhD		

I.   **Study Design discussed**
- Dr Kim provided an overview of the statistical analysis design, section 3.4 (analysis if data structure)
- Factors affecting the characterization of performance discussed
- Comparison of current studies discussed
     o   1A Phantom study
     o   1B Coffee break (patient data)-a change study using readers
     o   3A Generalizing different degree of algorithm automation-a change study using algorithms
- Datasets and analysis plan needs to be defined
- 3A results to support the Profile, e.g., correlate to the Claim
- Cluster vs Bland Altman vs Box-plots discussed for statistical analysis
     o   Box-plot deemed moat appropriate for 3A data
- Step 1 is determine absolute **volume** using phantom data
- Step 2 is **change** analysis using clinical data

Next steps:
- Dr Kim to update section 3.4 of study design for next call
- Dr Athelogou to discuss list of "To Do's" on next call

Next regularly scheduled call: Thursday, June 23, 2011 at 11 am CDT

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