**QIBA Volumetric CT Group 3A Update**
Thursday, March 17, 2011; 11 AM CDT
Call Summary

| In attendance | | RSNA |
|---|---|---|
| *Maria Athelogou, PhD (Chair)* | Charles Fenimore, PhD | Joe Koudelik |
| Rick Avila, MS | David Gustafson, PhD | Julie Lisiecki |
| Hubert Beaumont | Nicholas Petrick, PhD | |
| Dirk Colditz, PhD | Ying Tang, PhD | |

I. **Study Design discussed**

- Focus more on how this study will inform the QIBA Profile

- Dr. Fenimore mentioned that 1C data may not be available for 2-3 months
    o Currently in curation and reader study mode
    o Will share 1C data for 3A study as soon as it is available
    o 1A data is available upon request from Dr. Petrick

- Clinical vs. phantom data
    o Potential for bias exists
    o Training sets
        ▪ Determined that using training sets is not really necessary; may add bias
    o Concern regarding classifying / grouping the nodules in a clinical setting

- Algorithm classification needed for study – according to volcano study
    o Automatic vs. semi-automatic
    o Questions to ask:
        ▪ Are these fully automatic?
        ▪ If not, how many were there with parameter adjustments?
        ▪ If images were edited, on what fraction?
    o Modified vs. Fixed algorithms
    o Research vs. Commercial algorithms

**Next steps**:
- Group to look at 3A study design and send suggestions to Dr. Athelogou: MAthelogou@DEFiNiENS.com.
- Dr. Athelogou to consult Dr. Reeves regarding some of the algorithm classification questions.
- Dr. Athelogou to incorporate group ideas and post updated draft study design on the WIKI
- Dr. Athelogou to follow up with Dr. Fenimore re: NIST availability
- Dr. Athelogou to procure currently available data
- On next call, discuss study design
- Projected completion date for the 3A study is August 2011

**Next call**:  TBD.  When determined, a save-the-date notice will be sent to the group.

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