QIBA Lung Nodule Assessment in CT Screening Writing Group
08 February 2013 at 10 AM CST

Call Summary

In attendance:

Samuel G. Armato III, PhD (Co-chair)   Michael McNitt-Gray, PhD   **RSNA:**
David S. Gierada, MD (Co-Chair)   Mathias Prokop, MD, PhD   Joe Koudelik
James L. Mulshine, MD (Co-Chair)   Jenifer Siegelman, MD, MPH   Madeleine McCoy
Andrew J. Buckler, MS   Daniel C. Sullivan, MD
Philip F. Judy, PhD

Discussion Topics

- The group agreed on the following revised mission statement which is posted on the QIBA WIKI:

"Define evidence-based consensus standards and processes for CT imaging in the setting of lung cancer screening, to allow for quantification of biologically meaningful longitudinal volume changes, with acceptable range of variance across vendor platforms"

- Importance of recognizing variability in performance of different software programs discussed with suggested future goal of creating a standard test image set to assess compliance.
- Target for completion of first Profile draft is end of Spring or early Summer 2013.
    - Will require editing of existing CT Tumor Volume Change Profile to meet technical requirements of lung cancer screening
    - Writing subgroups could work in parallel to maintain efficiency and momentum
    - Datasets for use with this profile need to be identified.
        - Sources include: Literature references, existing QIBA, NLST or Nelson data.
    - Supporting literature will be reviewed to guide revisions.
    - A decision as to how literature documents are to be gathered and displayed to be determined
        - Mr. Buckler offered the use of 79 references (i.e., vCT study data and methods manifest) gathered for the advanced disease lung cancer screening profile.
        - Dr. Prokop spoke of the Nelson data and plans to contact Dr. Oudkerk for more information.

Next steps
- The members of the group should go through the profile and self-select specific sections.
- RSNA Staff will circulate a Doodle Poll for members to indicate which sections they wish to work on.
- Discuss whether the group would continue with a review article once the profile is complete.
- Next call scheduled for Friday, February 22nd at 10 AM (CST)