QIBA CT Volumetry Technical Committee (TC) Update Call
24 February 2014 at 11 AM CT (GMT-6)
Draft Call Summary

In attendance:
Lawrence Schwartz, MD (Co-Chair)  Lubomir Hadjiiski, PhD  Kevin O’Donnell, MASc
Hubert Beaumont, PhD  Rudresh Jarecha, MBBS  Eric Perlman, MD
Andrew Buckler, MS  Philip Judy, PhD  Nicholas Petrick, PhD
Heang-Ping Chan, PhD  Leon Lenchik, MD  Daniel Sullivan, MD
Charles Fenimore, PhD  Michael McNitt-Gray, PhD  Ying Tang, PhD
Marios Gavriliades, PhD  James Mulshine, MD  Pierre Terve, MS
David Gustafson, PhD

RSNA:
Joe Koudelik  Julie Lisiecki

In attendance:

Update from Patient Handling Sub Group:
- Additional details resolved for artifacts and baseline symptoms; breast shields will not be used
- Breathing instructions in the Profile were deemed sufficient

Update from Image Acquisition Sub Group:
- Dr. McNitt-Gray is running experiments to determine where the CT noise value threshold should be; 18 HU sounds reasonable for a diagnostic scan; this may be relevant to other protocols and will require additional input/analysis for other QIBA groups
- Agreement not yet reached on iterative reconstruction details

Update from Image Analysis Sub Group:
- May change style to a more procedural vs. manuscript style
- References to data sets will be of interest to others.

Update from Lung Nodule Writing Group:
- The group is still refining the claim language, struggling with dose questions.
- Concern exists regarding addressing a recent New York Times article which suggests cancer-induced scanning
  - A version appears in print on 07/16/2013 with the headline: Childhood CT Scans Raising Cancer Risk.
  - Dr. Kazerooni, et al, have written an interesting paper on this topic:
- Dr. McNitt-Gray to draft some clinical “dose language” for inclusion in the Profile addressing the recent focus on weighing the benefits of CT and quantitative imaging vs. the risks.
- Other resources to consider for the lung nodule response included:
  - Image Wisely/ Image Gently campaigns
  - NCRP (National Council on Radiation Protection)
  - ACR (American College of Radiology)
  - AAPM (American Association of Physicists in Medicine)
  - Other studies including some papers from Australia and England on childhood radiation exposure
  - Suggested wording:
    - “As a guiding principle, we firmly believe in the benefits of quantitative imaging, and encourage all actors to perform quantitative imaging at the lowest possible dose.”

Next calls:
1) Monday, March 3, 2014 at 11 am CT:  Image analysis (both software and human analysts/readers)
2) Monday, March 10, 2014 at 11 am CT:  Image acquisition hardware and reconstruction software
3) Monday, March 17, 2014 at 11 am CT:  Full Technical Committee: Final updates from sub-workgroups