In attendance:  
**RSNA:**
- Samuel G. Armato, III, PhD (Co-Chair)  
- Philipp Hoelzer, PhD  
- Nancy Obuchowski, PhD  
- Joe Koudelik
- James L. Mulshine, MD (Co-Chair)  
- Edward Jackson, PhD  
- Kevin O’Donnell, MASc  
- Julie Lisiecki  
- Rick Avila, MS  
- Artit Jirapatnakul, PhD  
- Anthony Reeves, PhD  
- Charles Fenimore, PhD

**Moderator:** Dr. Mulshine

Profile Updates:
- Dr. Obuchowski has provided some additional feedback to the Profile regarding confidence intervals and modifications pertaining to linearity (to address the longitudinal claim)

Software Conformance Updates:
- Two additional cylindrical inserts have been added to the phantom design for a total of 5 cylinders/modules; these two inserts contain 16 ellipsoid structures
  - An updated diagram will be added to the Profile for visualization of the design
  - These cylinders/modules will test for 5 characteristics which will assess linearity measurements
  - These new phantoms have been modified in efforts to test both cylinder and ellipsoid scanner performance

- Use of a Profile conformance checklist is planned for site feasibility testing to capture user feedback regarding real-world Profile implementation
  - Mr. O’Donnell suggested cutting and pasting from the QIBA CT Volumetry checklist or turning the requirements table from the Profile into a checklist for this purpose, similar to the checklist used by the QIBA FDG-PET BC, with categories that included the following:
    - Already standard
    - Not standard – will perform
    - Not standard – will not perform
    - Not standard – not feasible
  - Significantly large amounts of data are being collected and may require some time for processing, as the software tools are not fully automated for version 1.1
- Development is planned for batch testing for conformance
- More lung cancer screening sites are needed; it is hoped that at least 100 phantoms will be distributed to various sites to obtain additional data for 4 to 8 different parameters
  - Drs. Armato and Supanich (Univ Chicago/RUSH) have agreed to test some of the new phantoms (with 5 cylinders) in order to obtain some additional data
  - Drs. Silva (University of Parma) and Yankelevitz (Mt. Sinai) have also agreed to conduct testing of these phantoms
• From recent testing, considerable variation has been noted in technologists’ knowledge of CT scanners, making the need for uniform procedures even more important
• One of the goals for testing is to try to demonstrate that high CT doses are not needed for good image quality; unfortunately, there has been some loss of resolution on some scanners when lowering dose
• Also, there has been surprising non-uniformity among scanners
• CTLX1 phantoms are now available; additional screening sites are needed and always welcome for this collaborative international effort
• In particular, it would be desirable to have additional representation from the following geographical areas:
  o Europe (e.g. Germany, Spain, The Netherlands, etc.)
  o South Korea
  o South America

**Volunteers needed:**
• Volunteers are needed for a scanner vendor / site testing which will include DOE scanning and the analysis process
• Volunteers are asked to please contact Mr. Avila or any of the co-chairs: Drs. Armato, Gierada and Mulshine

**International Association for the Study of Lung Cancer (IASLC)**
• Dr. Mulshine is trying to get collaborative interaction with the IASLC in hopes that they may also use the conformance technique for lung cancer screening; a potential MOU between RSNA/IASLC was suggested to develop a robust collaboration
• An endorsement from the IASLC would be very helpful in working with the National Cancer Institute (NCI) to build a cloud database resource for cancer imaging data
• BC members to consider ways to partner with these organizations

**Next call:** Thursday, April 19th at 1 pm CT
Calls will be scheduled bimonthly in the near future and will eventually be scheduled monthly