THOUGHTS ON THE QIBA PROCESS: PROFILES, UPICT & MEASUREMENTS PowerPoint slide set (Kevin O’Donnell)

- Mr. O’Donnell characterized the phases, the work in each phase and the document structure for each phase in the maturation of a QIBA biomarker.
- Phases were defined as:
  - Exploration Phase (“Clarification”) (including response to treatment; work involves Detail groundwork)
  - Clinical Trial Phase (“Regularization”) (Committee is now moving into this phase with some projects; will strive to correlate documents with UPICT effort)
  - Clinical Practice Phase (“Industrialization”) (will drive out variance and complexity, can answer questions about requirements and specifications)
- Suggestion to make process as simple as possible by approaching as a marketing campaign for QIBA
  - Concepts such as IHE or UPICT and jargon may be off-putting to clinicians/users
  - Want users to have an immediate, intuitive grasp of concept
  - Concentrate on modest, definable, consistent activities and goals
- In the future, may need a QIBA QC ‘training’ document translating all ‘shall’ language into clear language for the personnel involved in image acquisition
- Using these steps and existing documentation for future Profiles will include conservation of a majority of the existing material and refinement of a small amount of the material
- QIBA structured radiology reading report needed with definable elements; would be valuable in clinical trial settings
- Could divide section for authorship, e.g. Measurement, Interpretation, Reporting
- Discussion of need for f2f meeting, day-long Net meeting or web-conference to author Profiles
IHE process generally involved three f2f sessions
Brainstorming, choosing an author who writes a strawman
Within 2 months, author has circulated draft for comments
Comments from review incorporated and Profile completed

- Follow-up via WebEx proposed
- The slides will be posted on the Wiki

Measurement Subgroup 1A Update (Dr Petrick)

- Discussion of completing measurements
  - Individual physicians/reader used same software but may have had different interpretation
  - Need to nail down specifications without manual intervention
  - Do not want to exclude methods that achieve performance targets, but the nature of variance could vary due to different methods and present different failure possibilities
  - Set-up of analysis outline is next for Group 1A

Early stage lung cancer/neoadjuvant group (Dr Mulshine)

- Dr Mulshine and Mr Buckler will meet with ISLC board during ISLC meeting, San Francisco, July 31-Aug 4.
  - Dr McNitt-Gray and Mr O’Donnell may also attend
- Aim to have a document and information on the Wiki by 3rd week of July in preparation for meeting

Next Steps:

- Kevin O’Donnell’s slides will be posted on wiki
- Kevin O’Donnell will contact Dr Dorfman re UPICT template development
- Continue planning for ISLC activity re Neoadjuvant group
- Dr Fenimore and Mr O’Donnell to discuss the Group 1C protocol off-line
- RSNA staff to send Mr O’Donnell’s slides to Dr Dorfman
- RSNA staff to coordinate a t-con between Dr Mulshine, Mr Buckler and O’Donnell to discuss meeting at the ISLC meeting