

QIBA Q-CT Committee Weekly Update  
Monday, July 26, 2010  
11 AM CDT

Call Summary

In Attendance

Andrew Buckler, MS (co-chair)  
P. David Mozley, MD (co-chair)  
Karita Garg, PhD  
Phillip Judy, PhD  
Michael McNitt-Gray, PhD  
James Mulshine, MD  
Daniel Nicolson  
Kevin O'Donnell

Nicholas Petrick, PhD  
Anthony P. Reeves, PhD  
Yuanxin Rong, MD, PhD  
Daniel C. Sullivan, MD

RSNA  
Fiona Miller  
Madeleine McCoy

**Review of Action Items from 06/07/10- 06/14/10**

• **Literature review:**

- Consider tabulated wiki document to keep document alive vs. data dump that may be practical but does not meet the objectives/needs of the group
  - qualification process requires in-depth understanding of other activities/studies
  - published version static and does not include recent articles
- Dr. Mozley to distribute expanded literature review document to all, via RSNA staff
- Dr. Garg to prepare for group review; summary statement to include identified areas of variability, current status, questions to be addressed by larger community, etc.
- Quarterly or biannual data review by VolCT committee during scheduled calls will keep document current
- Structure and organization of QIBA website and Wiki needs to be discussed.
  - Remapping to provide easy access to critical documents e.g., literature review, data library

• **Data Library:**

- Continue to build referenced data subsets that link to bull's-eye model
- Mr O'Donnell is working on a method to provide composite score
- Use cases need to be provided
  - consider using NBIA Use cases
  - may be appropriate for collaboration with Open Image Archives (OIA) ad hoc committee
    - OIA in process of defining criteria for archives
    - Important to have cross communication and representation
    - Mr. Buckler to identify most recent use-case document developed by OIA for distribution to Vol CT Committee
- Need to return to prioritization of datasets for upload to NBIA
  - Begin with datasets used in 1A Project
  - Element scoring needed for a number of data sets before determining need for profile updates
  - RSNA staff to set conference call for Drs McNitt-Gray and Petrick and Mr O'Donnell to review phantom data
  - Dr. McNitt-Gray will then review 1B dataset to look at human subject performance
  - Links to prioritized datasets for both to be provide on QIBA and/or NBIA Wikis

### **Letter to Pharma Companies:**

- OIA developing use-case and attributes for archives but awaiting Pharma input
- Above needed for letter to pharma
  - Cosigned by QIBA and Prevent Cancer Foundation
- Mr Buckler to distribute merged text version for review
- Dr Mozley recommended that a first step would be a request for Prevent Cancer Foundation to high-level pharma for designated reps to work on qualification process
- Dedicated call needed for Drs Sullivan, Buckler, Mozley, Mulshine, Avila, and Zahlman to discuss strategy and sequence of events

### **1A and 1B Update**

- Dr. Petrick to pursue SPIE abstract submission (8/4 )
- 1B readings complete and will move to share results for analysis

### **Next Steps:**

- Dr Mozley to forward full literature review to RSNA staff for distribution to VolCT committee
- Dr Garg to update current literature review with new papers and incorporating criteria that were previously distributed
- Mr Buckler to provide update use-case document developed by OIA
- RSNA Staff to set up t-con with Drs McNitt-Gray and Petrick and Mr O'Donnell to review phantom data
- Dr McNitt-Gray to review 1B dataset to look at human subject performance and post to QIBA Wiki
- RSNA Staff to set up t-con with Drs Sullivan, Buckler, Mulshine, Mozley Avila and Zahlmann to discuss strategy and sequence of events for pharma letter(s)
- Next call scheduled for August 2<sup>nd</sup>, 2010 am CDT
  - Subgroup updates
  - Continue review of action items from 6/21 onward