

QIBA Q-CT Committee Weekly Update
Monday, August 2, 2010
11 AM CDT

Call Summary

In Attendance

Andrew Buckler, MS (co-chair)
Lawrence Schwartz, MD (co-chair)
Maria Athelougou, MD
Kristin Borradaile, MS
David Clunie, MBBS
Kavita Garg, PhD
David Gustafson, PhD
Philip Judy, PhD
James Mulshine, MD

Daniel Nicolson
Nicholas Petrick, PhD
Anthony Reeves, PhD
Daniel Sullivan, MD

RSNA
Fiona Miller
Joe Koudelik

Public Data Access

- Numerous cooperative groups working with QIBA on data collection; pressure to post data publicly, immediately after collection for analysis; use of annotated images and access to the analysis approaches needed
- Full access to data without restrictions is the goal; a culture change is required to address sharing issues, e.g. security, proprietary issues, resources/financial support for cleaning/posting data, etc
- Balance needed between immediate posting and allowing investigators time to analyze for publication purposes first
- Clinical trials and genomics groups have developed data sharing policies, but no clear process/plan for QIBA in place, as yet
 - NIH require investigators to include data sharing plans, but RFA's don't provide guidelines
 - QIBA data not connected due to various modality groups; general data sharing policy may be difficult to develop
- Data to be stored in one location for public access rather than responding to individual requests
- Variability of QIBA projects needs a flexible approach for sharing data such as the tiered process used by the NIH Molecular Imaging Project
 - Immediate release of data to public
 - If appropriate, permission granted for a 90-day to 6-month data "hold window" for analysis
- Membership/participation within QIBA will allow ongoing access to data prior to public release
- Potential issues may exist if QIBA project collaboration shares unreleased (clinical) data
 - RECIST 1.1 data not made public (Dr Clunie to follow-up with possible release)
 - Duke genomic data
- Additional discussion needed; to be addressed by the QIBA Steering Committee at the 8/27 retreat
- Public posting site may need to accept multiple image annotation versions, e.g. mark-up not in standardized formats
- Wiki proposed for storing tabulated data

- Drs Robert Schwanke and David Clunie to discuss data formatting (DICOM SR) for possible NBIA image posting
- Subgroup chairs to discuss whether Group 1B and 1C data to be similarly shared

1B and 1C Update

- Image annotations for 1B done; to be forwarded for analysis
- Phantom experiments begun for 1C; configuration of phantom and data collection process ongoing

Profiling Process Update

- Multiple writing committees to be established
- Profile structure currently evolving, but will adhere to the UPICT template for the Protocol
- Profile contains performance Claims based on experimental groundwork (e.g. 1A-3B projects)
- Multiple Profiles to be collated into a “QIBA Handbook”
- Current scope limited to lung cancer; broader scope deemed more useful; shift to move towards “Whole Body CT” with conditional language based on body area and application
- “Systems approach”; strategy needed to leverage commonalities; an iterative process based on real-world practicality and supporting science/technology; FDA dialogue needed to determine how general the Profiles should be
- Face-to-face Writing Ctte meetings proposed for Chicago or Washington, DC area with preparatory t-cons to steer writing assignments
- Version tracking control critical; version 1 of the Protocol already proffered, version 2 in draft

Next Steps:

- Dr Athelougou (Definiens) and colleague to provide update from industry perspective concerning accuracy of volume measures and activities to broaden phantom studies beyond single algorithms and software implementations – August 16; Dr Athelougou to email Mr Buckler status update once available
- Drs Gustafson, Thorn, Kim and Zhao to be included in discussions
 - Drs Constantine Gatsonis (Brown) and John Lu (NIST) might provide additional statistical resources
 - RSNA staff to request availability for Aug 16th presentation; pending availability of Dr Athelougou
- Dr Clunie to follow-up with possible release of RECIST 1.1 data
- Drs Robert Schwanke and David Clunie to discuss data formatting (DICOM SR) for possible NBIA image posting
- Next Q-CT weekly call scheduled for Monday, August 9, 2010 at 11 am CDT