

**QIBA Vol-CT Weekly Update WebEx**  
**October 6, 2008, 11am CDT**  
**Call Overview**

In attendance:

Andrew Buckler, BSEE, MSCS (Co-Chair)  
Martin Barth, PhD  
Ekta Dharaiya, MS  
Charles Fenimore, PhD  
David Gustafson, PhD  
Wendy Hayes, DO  
Michael McNitt-Gray, PhD  
P. David Mozley, MD

Daniel Nicolson  
Kevin O'Donnell  
Nicholas Petrick, PhD  
Sandra Scheib, RN, MSN  
Daniel Sullivan, MD  
Linda Bresolin, PhD, MBA, CAE (RSNA)  
Fiona Miller (RSNA)  
Joe Koudelik (RSNA)

Andrew Buckler and Dan Sullivan provided an overview of the recent DIA meeting discussions.

- Three QIBA Technical Committees – three progress reports provided
  - Good efforts seen on QIBA
  - Apparent need between UPICT activities and the QIBA Technical Committees
- Aligning with the UPICT activities would make QIBA stronger. Suggested was that QIBA Technical Committees should reach out to Dr. Gary Dorfman to help begin discussions and expand the concepts raised.
- Continuing efforts needed to standardize image measurements
- RSNA's efforts to incorporate UPICT activities under the CTSA Imaging Working Group
- Interaction with the FDA proposed to assist with pathway development
- The process (pathway) could then be used by FDA (or others) in validating additional future biomarkers
- Pharmaceutical and device manufacturer pathways might follow
- We must anticipate what the FDA needs for Parts 1A and 1B
- RSNA as coordinator would certainly help when multiple companies are involved
- Who will sponsor / fund this work?
- Public/Private Partnership (PPP) (organized by RSNA) suggested
- Topic for next QIBA Steering Committee meeting

Dr Petrick reviewed the Phantom Study Protocol group's last tcon

- Draft proposal for Group 1A in the process
- Inter-Reader variation to be studied
- Image version (spherical and aspherical nodules) to be used
- Move to 10 and 20 mm nodule size with aspherical lesions
- RadPharm offered reader time (5-6 readers proposed per case) (working to get Dr Robert Ford (RadPharm) on the next group call)
- Using one "Standard" reconstruction kernel proposed
- Fairly developed proposal – almost done
- 1.5mm & 5mm slice thickness proposed
- Funding issues
  - Dr. Ford (RadPharm) graciously providing reader
  - Images acquired from FDA

- Software – use what clinical reading software is in place at the sites
- Timeline
  - 20 mm lesion data may require collection
    - 1-30 days to collect all required data
  - Begin by end of 2008
- End result being publication (further discussion needed) and presentation at RSNA 2009

ASCO could benefit from this project – imaging talks would be welcome at the Orlando May/June mtg

#### Part 1B Overview Provided by Dr. Michael McNitt-Gray

- Group in beginning phases
- First group call to be scheduled (this week)
- Drs. Charles Fenimore and Robert Ford current participants – open to anyone else
- Dr. Bresolin offered RSNA help with identifying potential group participants and encouraging participation

#### Part 1C Efforts Discussed

- Cross-platform study
- Acquisition of images
- Outline at high level to know target(s)
- While 1A focuses on volumes, 1B on volume change measurements, 1C returns to volumetrics
- Relationship between these exist – Need 1A & 1B first, then proceed with 1C (some overlap allowed)

#### Adjudication Issues Discussed

- Would software answer this?
- How does adjudication influence “truth”?
- Can evaluate adjudication schemas if “truth” is known (ie, phantom)
- Phantom is a known “truth”
- Additional opportunity to discuss is needed

#### Recommendations for Subgroups 1A, 1B, 1C

- Groups are starting to form – very good news
- How should group attend to Part 1C and clinical focus (parallel activity perhaps)
- How can we ramp-up these discussions? – To be on agenda for next week’s call.

#### QIBA Wiki Usage

- Use the Wiki tool moving forward
- Wiki could assist with visualizing each step
- Post documents, slides, summaries, etc
- Live summary of where we are to help keep focus
- Snapshot of “Point Zero” (i.e., the beginning point)
- Roadmap to be posted on Wiki with links to current documents

## Agenda for Next Week

- Drs. Petrick and McNitt-Gray to present progress reports on Part 1A
  - Dr. Petrick out of office 10/10 – 10/29 – will determine interim presenter to keep group momentum
- Dr. Fenimore to present progress report on Part 1C
- Kevin O'Donnell to speak with Dr. Dorfman about UPICT implications and effects
- Look forward and beyond next week's call for planning
- Specific activities / sessions at RSNA to focus on
  - QIBA Informational Meeting – Dec 1 (10:30-11:30am)
  - QIBA Kiosk – content in-hand
  - QIBA Working Meeting - Dec 4<sup>th</sup> (2-4pm)
  - Standardized Reporting Session (John Boone course) on Wed (4-6pm)
- Other demo (groups) we should contact?
- CTSA Group meeting scheduled for Dec 2nd (2-4pm)

## **ACTION ITEMS:**

- First tcon for Dr. McNitt-Gray's group (1B) to be scheduled
  - Zhao, Schartz, Ford, Fenimore, McNitt-Gray