

QIBA Q-CT Weekly Update  
Monday, November 15, 2010 at 11 am CST  
Call Summary

**In attendance**

Andrew J. Buckler, MS (QIBA Program Director)  
P. David Mozley, MD (Co-chair)  
Lawrence Schwartz, MD (Co-chair)  
Maria Athelougou, MD  
Hubert Beaumont  
Sung Change, PhD  
Charles Fenimore, PhD  
Kavita Garg, MD

David Gustafson, PhD  
Michael McNitt-Gray, PhD  
Nicholas Petrick, PhD  
Anthony Reeves, PhD  
Daniel Sullivan, MD  
Ying Tang, PhD

**RSNA**

Fiona Miller  
Joe Koudelik

**Profile Writing Process Update (Mr Buckler)**

- Three phases of Profiling activities identified, based on discussed Gantt chart:
  - Real world validation of v1.0
  - Production of v2.0 (Feb 2011 – Jan 2012)
  - Real world validation of v2.0 (Jan 2012 – Sep 2012)

**Profile Approval Process (Mr Buckler)**

- Draft text
- Review process
- Public comment period
- Resolve input period
- Final Profile Version
- Note that Gantt chart is a living document; process to approve Profile versions not yet clear
- QIBA Steering Committee f2f Planned for January 28<sup>th</sup>; details of Profile approval to be discussed

**Group 3A Update (Dr Athelougou)**

- In the process of discussing work scope of new group 3A plans with colleagues at Definiens; i.e., stamp-of-approval needed to proceed at high intellectual level
- Proposal for Profile – how to evaluate the analysis of algorithms and phantoms
- Discussions of project proposals would include format and project content and confirm NIBIB funding support needs for year 1
- Proposal for Profile – how to evaluate the analysis of algorithms and phantoms
- Metadata-analysis will be valuable for Profile input
- Additional phantom studies needed, i.e., groundwork
- Literature search results to feed study may be valuable 3A member contribution; possible need for future NIBIB funding

**Group 1C Update (Dr Fenimore)**

- Group defining discrete imaging protocols based on ACRIN 6678 and performance/quality
- Phase I: Active work proceeding at three imaging sites to define quality performance protocol; protocol to be completed by year's end based on groundwork from five imaging sites
- Phase II: Basic FDA phantom imaging next, with image analysis and mark-up analysis following
- Imaging of FDA phantom may begin as early as Nov 18<sup>th</sup>

- Three step process:
  - Images to be done by end of Feb 2011
  - Image analysis
  - Data analysis of image mark-up (this step may possess most technical issues)
- Need Group 1C results to feed v2.0 Profile writing, slated to begin August 2011

**Group 1B Update (Dr McNitt-Gray)**

- Clinical performance projects
- Data acquisition done and analysis begun
- Need to determine start time of clinical efficacy project
- Funding for 1B deemed appropriate

**Strategy for Volumetric CT Projects Overview (Mr Buckler)**

- NIBIB project funding for first year only being considered
- Dec 16, 2010 deadline for Modality Committees to review, consolidate and submit proposals to the QIBA Steering Committee for consideration
- Drs Sullivan, Mozley and Mr Buckler to discuss formatting of proposal in more detail
- Drs Fenimore, McNitt-Gray, Schwartz and Athellogou will draft proposal text on behalf of their current study groups
- As yet, no clear process to get proposals out
- Groups to address first ten (1-10) tasks as laid out for the NIBIB contract submission
- NIBIB tasks to be circulated among all vCT members
- Proposal text, Rational, Budget justification

**Next steps:**

- 1B and 1C may formalize plans for funding support by forwarding to vCT Ctte leaders to review and tie together and fit within funded NIBIB tasks
- Dr Athellogou encouraged to forward proposal on behalf of the 3A group
- Helpful to have proposal documents to vCT co-chairs by the Dec 1st f2f QIBA Working Meeting in Chicago (at the RSNA Annual Meeting)
- Next call scheduled for Monday, Nov 22, at 11 am CST