

QIBA CT Volumetry Technical Committee Update Call

19 March 2012 at 11 AM CDT (GMT-6)

Call Summary

In attendance:

P. David Mozley, MD (Co-chair)
Maria Athelougou, PhD
Hubert Beaumont, PhD
Andrew Buckler, MS
Paul L. Carson, PhD
David A. Clunie, MBBS
Patricia Cole, PhD, MD
Barbara Croft, MD
Heidrun Endt
Steven Federici, BS, RT
Charles Fenimore, PhD
Kavita Garg, MD
Paul Garrett, MD

Robert Gillies, PhD
Gregory Goldmacher, MD, PhD
David Gustafson, PhD
C. Carl Jaffe, MD
Hyun Grace Kim, PhD
Michael McNitt-Gray, PhD
David Miller, PhD
Kevin O'Donnell, MASc
Nicholas Petrick, PhD
Ann Scherzinger, PhD
Neil Steinmetz, MD, JD
Binsheng Zhao, DSc

RSNA:

Joe Koudelik
Madeleine McCoy

University of Colorado Project Update (Dr. Garg)

- Primary objective of this study is to extend the characterization of the solid nodule measurement performance from earlier QIBA studies, to the part-solid case
- Hypothesis
 1. The absolute percent error in part-solid nodule tumor measurements will be less than or equal to 15% (the QIBA Solid Nodule > 10mm claim)
 2. Dose will not significantly affect the percent error measurement
 3. Part-solid nodules will exhibit increased inter-reader and intra-reader measurement variability, compared to that seen in solid nodule studies
- Fixed-lung window, multiple slice thickness, randomization of reads and analysis component discussed
- Delivery of semi-solid nodules expected April 10; Drs Scherzinger and Miller scanning solid lesions in preparation
- Comprehensive study design being finalized for Tech Ctte Co-chair review
- Noted was that the Tech Ctte has no standard operating procedures or policies in place to review scientific project material yet; no formal clearance process has been established
- Next steps for the Colorado project (after NIBIB funding ends) requires further group discussion

QIBA Vol-CT AdvDisease v2 Public Comment Profile Feedback

- Another follow-up work session proposed for a 2 hour block; scheduled for Friday, March 23 at 2-4 PM CT
 - Associated homework assignments will be due 2 days prior to the 2-hr work session
- The group still expects to complete the process prior to the annual meeting in May

Schedule Updates:

March 26th: open with Dr Athelougou/3A, working the plan during the update, then resolve profile issues

April 2nd: open with Dr Fenimore/1C, working the plan during the update, then resolve profile issues

April 9th: open with Dr Zhao/3B, working the plan during the update, then resolve profile issues

April 16th: spend the whole meeting on organizing for new NIBIB application

Next Steps:

- To maintain current momentum, the group decided to continue hosting weekly calls until all project updates are completed (~April 16), then revert to a bi-weekly call schedule moving forward.
- Dr Athelougou to draft a QIBA Project 3A update for group distribution by Thursday, March 22nd
- Reminder that these project updates are to focus on a business plan, or the "business of science" perspective, not intended as a scientific/technical update
- Revisit the strategic plan to map out current and future project and committee resources/ needs
- Next call scheduled for Monday, March 26th at 11 am CT