

QIBA CT Volumetry Technical Committee Update Call

22 April 2013 at 11 AM CST (GMT-6)

Call Summary

In attendance:

Gregory V. Goldmacher, MD, PhD (Co-Chair)

Lawrence H. Schwartz, MD (Co-Chair)

Hubert Beaumont, PhD

Andrew Buckler, MS

Barbara Croft, PhD

Edward A. Eikman, MD

Philip F. Judy, PhD

Michael McNitt-Gray, PhD

James Mulshine, MD

Kevin O'Donnell, MASc

Guillaume Orioux, MSc

Eric S. Perlman, MD

Mathias Prokop, MD, PhD

David L. Raunig, PhD

Daniel C. Sullivan, MD

Ying Tang, PhD

David F. Wiley, PhD

RSNA:

Fiona Miller

Joe Koudelik

Madeleine McCoy

General Discussion

Projects to be identified for the next round of potential funding:

1. Need to refine the CT Volumetry technology gap analysis of what remains to be done.
2. A rough outline of projects and costs estimates to be submitted to the Steering Committee by May 3rd. (The starting point would be where this discussion was left last fall, which is represented in part from both the draft SOW and Dr. Schwartz' project outline presented to the QIBA Steering Committee on January 31st.)

Advanced disease:

1. Develop Profiles for CT volumetry of hepatic masses and lymphatic metastases.
2. Characterize comparative algorithm performance for patient data sets in the thorax and abdomen.
3. Apply predictive metrics for CT volumetry in a calibration and quality control program for both compliance testing and ongoing QC.
4. Conduct additional validation studies of CT volumetry for FDA qualification as a biomarker for predicting patient survival in an expanded range of indications.

Screening:

- Using data from phantom studies and patient data sets of the thorax, develop a Profile for CT volumetry of lung masses smaller than 10mm.

Phantom:

- Anthropomorphic liver phantom needed for next Profile

Next steps

- Create a plan to turn the proposals into projects.
 - E-mail follow-up between the co-chairs needed before the next TC t-con.
- Next QIBA CT-VOL Tech Ctte t-con, Monday, June 3, 2013 at 11am (CDT).