

## QIBA CT Volumetry Biomarker Committee (BC) Update Call

09 February 2015 at 11 AM CT

Draft Call Summary

### In attendance:

Gregory V. Goldmacher, MD, PhD, (Co-Chair)  
Lawrence Schwartz, MD (Co-Chair)  
Rick Avila, MS  
Andrew Buckler, MS  
Charles Fenimore, PhD

Matthew Fuld, PhD  
Hyun Grace Kim, PhD  
Michael McNitt-Gray, PhD  
Reginald Munden, MD  
Nancy Obuchowski, PhD  
Michael O'Connor, PhD

Eric Perlman, MD  
Adele Peskin, PhD  
Ying Tang, PhD  
Huseyin Toré, MD

### RSNA:

Joe Koudelik  
Julie Lisiecki

**Agenda:** Field test protocol study design

### Notes from Dr. Goldmacher:

The primary objective of the field test, as clarified during today's discussion, is as follows:

- To collect enough data to define the variability of tumor volume measurements in patients, when no true biological change exists (though the scanner, reader, and volume measurement software can vary).
- This information on variability can then be combined with what has already been determined about measurement bias, using phantom scans, to define the performance of volume change measurements in conditions where underlying biological change occurs.

The secondary objective is to collect data that can be used for compliance testing.

### Additional Notes:

#### Field Test Planning

- A call for a CT Volumetry Task Force on the Field Test Design is being scheduled for the week of 2/16 to outline future planning for field test next steps
- The Task Force for Field Test Design will be comprised of the following volunteers:

|    | Full Name                   | Institution                 |
|----|-----------------------------|-----------------------------|
| 1. | Samuel G. Armato III, PhD   | University of Chicago       |
| 2. | Maria Athelougou, PhD       | Definiens                   |
| 3. | Hubert Beaumont, PhD        | Median Technologies         |
| 4. | Andrew J. Buckler, MS       | Elucid Bioimaging           |
| 5. | Robert J. Gillies, PhD      | Moffitt Cancer Center       |
| 6. | Gregory Goldmacher, MD, PhD | ICON Medical Imaging        |
| 7. | Nancy Obuchowski, PhD       | Cleveland Clinic Foundation |
| 8. | Ehsan Samei, PhD            | Duke University             |
| 9. | Jenifer Siegelman, MD, MPH  | Brigham & Women's/ Harvard  |

- A call with this cross-section of hardware vendors, software developers, and clinicians is needed to review how compliance of software is achieved prior to moving forward to the next phase

**Next Call:** TBD – Field test protocol data harvesting