

QIBA CT Volumetry Biomarker Committee (BC) Update Call

26 January 2015 at 11 AM CT

Draft Call Summary

In attendance:

Gregory V. Goldmacher, MD, PhD, (Co-Chair)
Maria Athelougou, PhD
Hubert Beaumont, PhD
Andrew Buckler, MS
Paul Carson, PhD
Heang-Ping Chan, PhD
Laurence Clarke, PhD
Charles Fenimore, PhD
Matthew Fuld, PhD

Marios Gavrielides, PhD
Lubomir Hadjiiski, PhD
Jayashree Kalpathy-Cramer, PhD
Hyun Grace Kim, PhD
Justin Kirby
Michael McNitt-Gray, PhD
Robert Nordstrom
Nancy Obuchowski, PhD

Michael O'Connor, PhD
Eric Perlman, MD
Adele Peskin, PhD
David Raunig, PhD
George Redmond
Ehsan Samei, PhD
Daniel Sullivan, MD
Ying Tang, PhD
Luduan Zhang, PhD

RSNA:

Joe Koudelik
Julie Lisiecki

Agenda: Future algorithm challenge collaborations between QIBA and QIN

General Discussion

- A better understanding of the complementary nature of QIBA (e.g., CT Vol and 3A) and QIN challenge efforts, process and goal is needed
- Current CT Vol focus is on real-world Profile field testing; algorithm challenges would be a related sub-activity
- Dr Clarke noted that QIN had an established infrastructure and had been amassing resources and metrology tools to assist algorithm developers for some time
- Clear boundaries for potential data sharing, methodologies, infrastructure and federal resources needed by QIBA and QIN; greater cross-talk suggested
- Profiles remain the QIBA focus, while QIN efforts focus on algorithm performance characterization, not defining performance thresholds
- Need to leverage the resources of both groups by identifying groundwork projects benefitting both partners

Next Steps

- A half-day workshop during the April QIN meeting is planned; focus will be on tools and methods for data archiving; QIBA reps are welcome to attend
- Dr. Clarke suggested forming a QIBA-QIN Task Force to further the discussion; approval would be needed by both sides
- A QIBA-QIN liaison was suggested in efforts to brainstorm a strawman outline re next steps and a proposed timeline
- Dr. Goldmacher suggested an ad hoc t-con to initiate discussions
 - Interested QIBA members to email Dr. Goldmacher (Gregory.Goldmacher@iconplc.com) and RSNA staff (jlisiecki@rsna.org)
 - Interested QIN members to email Drs. Clarke (lclarke@mail.nih.gov) and Kalpathy-Cramer (kalpathy@nmr.mgh.harvard.edu)
- The Feb 19th 3A call agenda will include continued collaborative discussions

Next Call: February 2 – Profile comment resolution
February 9 – Field test protocol study design