

## QIBA Volumetric CT Group 3A Update

Thursday, 6 December 2012 at 11:30 AM CT (GMT-5)

### Call Summary

#### In attendance

**Maria Athelougou, PhD (Chair)**

Peter Bajcsy, PhD

Hubert Beaumont, PhD

Andrew Buckler, MS

Barbara Croft, MD

Jovanna Danagouliau, PhD

Alden Dima, MS

Steve Federici, BS, RT (R) CT ARRT

Richard Jacobs, MD, MHA

Hyun Grace Kim, PhD

Nicholas Petrick, PhD

Sarah Sherlock, PhD

Ying Tang, PhD

Emilio Vega, BS, RT (R) (CT)

David Vining, MD

#### RSNA

Joe Koudelik

Julie Lisiecki

#### General Updates

- Good progress on indices for next challenge
- Possible discussion of these on the December 13<sup>th</sup> call

#### Update - Monday, February 25, 2013 QI-Bench Meeting (Gaithersburg, MD)

- Announcement of the date for the workshop discussed; email to include:
  - Invitation to workshop
  - Travel logistics
  - Draft agenda
  - Doodle poll vote to potential participants regarding a more rigorous scientific challenge, e.g. more time-intensive (yes or no)
  - Essay questions within the email (*possibly in a free online survey format*) with link for participants to respond to targeted questions regarding design of the challenge
  - “Ready-Talk” details to be provided by NIST for off-site attendees

#### Data update

- QIBA CT Volumetry, Group 1B data (coffee-break study from Memorial Sloan-Kettering will be used for the next challenge)
  - Data contains distractors for additional challenge and will allow for one lesion per case, with approximately 32 lesions total for analysis
  - Study organizers are considering inclusion of additional lesions for an even more challenging study
  - CT Volumetry Tech Ctte members (i.e., potential participants) to vote via Doodle if interested in a more challenging / time-intensive study
  - Potential participants to answer targeted free-text questions regarding scope of study and their expectations from participating
- Whether a pilot study will also be needed is to be determined
  - Sequence of pilot, power, pivotal studies has proven to be the most scientifically useful for participants
- Study organizers want to strike a balance between what is achievable and what is realistic and scientifically useful
- Feedback from participants on the call indicated that asking participants very specific questions in advance of the “kickoff meeting” would be very beneficial

#### Next call: **Thursday, December 13, 2012 at 11:30 AM CT.**

- Possible discussion by Drs. Danagouliau and Bajcsy regarding indices and how they will be used
- Clarification/ updates regarding the design of the challenge and preparation for the kickoff meeting

#### Next Steps:

- Mr. Dima to prepare verbiage for “Save-the-Date” QI-Bench Meeting Email – to include logistics, draft agenda, Doodle poll voting link, possible link to online survey with essay questions to gauge preferences of potential clinical challenge participants

**Save-the- dates for next meetings: Thursday, at 11:30 AM CT, December 20, 2012 and January 10, 2013.**