

## QIBA Volumetric CT Group 3A Update

Thursday, April 19, 2012; 11:30 AM CT

### Call Summary

#### In attendance

**Maria Athellogou, PhD (Chair)**

Hubert Beaumont, PhD

Andrew J. Buckler, MS

Dirk Colditz, PhD

Alden Dima, MS

Hyun Grace Kim, PhD

Estanislao Oubel, PhD

Nicholas Petrick, PhD

David Raunig, PhD

Ganesh Saiprasad, PhD

Yonqiang Tan, PhD

Ying Tang, PhD

Luduan Zhang, PhD

#### RSNA

Joe Koudelik

#### Pivotal Study Update

- Invitation to participate sent to nearly 200 contacts across the CT Volumetry and COPD/Asthma Tech Cttes, and all Pilot Study participants (April 10, 2012)
- One Pilot participant and one new contact have shown interest, but no applications or data submitted
- Deadline to request participation is April 30

#### Discussion of Publication Options for the QIBA 3A Pilot Study

- Options for publication suggested were:
  - *Academic Radiology*
  - *Radiology* (possibly too clinical)
- *Academic Radiology* website was reviewed for publication details
- “Rapid Communication” (4k words) a possibility vs. standard 15-page manuscript
  - Maximum of 20 references and 4 tables or images
- The group considered the Rapid Communication best suited for the PILOT Study results, and the typical/ larger manuscript for the future PIVOTAL Study results
- **Section authors discussed**
  - **Introduction**...Dr Athellogou
    - Context of problem of volumetric image analysis, i.e., idea behind the study...Drs Athellogou and Colditz
    - Context of QIBA, i.e., what is QIBA and how does 3A fit...Mr Buckler
  - **Materials and Methods**...Messrs Buckler and Dima, and Dr Kim
    - Data description
    - Physical methodology of Pilot study
  - **Results**... Messrs Buckler and Dima and Dr Kim
    - Variability and bias plots
  - **Discussion**...Dr Athellogou
  - **Conclusion**...Dr Athellogou
  - **References** (20 max) ... TBD
- No true journal deadline; the group’s self-imposed deadline will be 1<sup>st</sup> week in July 2012 to have the manuscript completed
  - Reminder: Internal NIST review needs 2-3 weeks

**Pilot Study Analysis Update**

- Dr Kim reviewed percent error standard deviation overall and by factor
- Radar plot data points to be spread-out for better viewing
- Dr Kim to forward preliminary analysis to team for review and feedback

**Next steps:**

- Manuscript progress to be discussed on next call; final selection of journal for publication to be determined
- RSNA Staff to request participant company/institution names be listed (mentioned) in Publications (disassociated from any link to submitted data)
- Dr Kim to forward preliminary analysis to team for review and feedback
- Individualized final results are being prepared by Dr. Kim for Pilot Participants to receive by mid-May
- Sections authors to work off-line towards first draft

**Next call: *Thursday, May 3, 2012 at 11:30 AM Central (Daylight) Time - (new time)***