

QIBA Quantitative CT Committee

Monday, January 11, 2010

11 AM CST

Call Summary

In attendance

Andrew Buckler, MS (co-chair)
P. David Mozley, MD (co-chair)
Kristin Borradaile, MS
Patricia E. Cole, PhD, MD
John Fraunberger
David Gustafson, PhD
Philip F. Judy, PhD
Grace Kim, PhD
James Mulshine, MD
Kevin O'Donnell

Michael O'Neal, MD
Nicholas Petrick, PhD
Anthony Reeves, PhD
Yuanxin Rong, MD, MPH

RSNA

Susan Anderson, MLS
Joe Koudelik

Group 1A analysis (Dr Petrick)

- Drs Petrick, Lu and Kim will discuss analysis in call on January 25; should have more information for discussion on next call
- Protocols may need modification for each scanner

Group 1B

- No update on RadPharm software

Group 1C

- Call scheduled for January 14
- Work continues on addressing calibration in Performance Protocol
- May be possible to begin acquisition within the next month with goal to have results by RSNA annual meeting 2010

FDA discussion

- NIBIB funding for LAMIS (Laboratory for the Assessment of Medical Imaging Systems), a joint laboratory with NIBIB, ended last year
- CDRH activity: using objects with two densities; exploring what the data will reveal about quantitation
- Data from approximately 300 cases will be available at NBIA soon; non-spherical data available by March-April
- April 13-14 meeting co-sponsored by SNM, RSNA, FDA in planning
- CDER on-task to have some quantitative imaging guidance released this year

QIBA collaboration

- Interest in teaming with other efforts such as CaBIG and NBIA community to work on Use case/Profile editor/batch-oriented analysis
 - Interest in spreading horizontally to other therapeutic areas; need to move beyond cancer
- QIBA Quantitative CT Committee close to having 2 Profiles completed with data forthcoming
 - May be useful to have longitudinal data set

- Interest in working with groups in clinical community such as NCI Cooperative group (Dr Carl Jaffe) and also pharma companies to promulgate QIBA disease Profile; need credible link to user community
 - Other contacts may include Drs Eliot Siegel, Laurence Clarke, Gary Kelloff and CTEP and pharma companies involved in UPICT efforts; Dr Sullivan's guidance welcome to reach out to CTEP
 - Consider asking their review of Profile and assistance in garnering more images, such as image donation mandated as part of federally-funded trials
- Continued interest in obtaining access to more clinical data

Next Steps

- Add NBIA and *Optics Express* links to Resources on Wiki
- Continue augmenting <http://qibawiki.rsna.org/index.php?title=Category:Datasets> wiki page devoted to descriptions and finding aids for data
- Dr Petrick will continue with Group 1A analysis and methodology write-up
- Review list of what QIBA (Q-CT) has accomplished over the past two years; focus on deliverables for advanced stage lung cancer