

QIBA Quantitative CT Committee Update

Monday, March 29, 2010

11 AM CDT

Call Summary

In attendance

Andrew Buckler, MS (co-chair)
P. David Mozley, MD (co-chair)
Maria Athelougou, MD
David A. Clunie, MBBS
Patricia E. Cole, PhD, MD
Charles Fenimore, PhD
John Fraunberger
David Gustafson, PhD
Philip F. Judy, PhD
Grace Kim, PhD
John Lu, PhD
James Mulshine, MD
Anthony P. Reeves, PhD

Yuanxin Rong, MD, MPH
Ganesh Saiprasad, PhD
Daniel C. Sullivan, MD
David J. Vining, MD
Binsheng Zhao, DSc

RSNA

Fiona Miller
Susan Anderson, MLS
Joe Koudelik

QIBA Q-CT Ctte Abstract Submission for RSNA 2010

- Three abstracts proposed; one clinical focus and two medical physics focus
 - Drs Petrick and Kim have drafted concept for physics abstract
- Abstract submission deadline for RSNA is April 15, 2010 (by Noon CT)
- Discussion of statement “3D measurement yielding lowest bias and variance”
 - Decision to remove phrase “and variance”; phrase will read “3D measurement yielding lowest bias”
 - Decision to remove discussion of variance throughout abstract
- Concern that statement reflects limited results of experiment and use of volumetric measurements in limited scope, not accounting for variability in methodology, definition of backgrounds, etc.
 - Decision to add qualifying language: “within the context of this experiment” or “under one particular algorithm” or “conclusions apply to phantoms”
- Concern that clinicians will generalize from abstract; acknowledge comparison of apples to oranges inherent in comparing volume (splitting) to RECIST (lumping); convey the complexity of integrating volume into clinical trials
 - Decision to add a sentence to set-up discussion of clinical setting: add “The talk will work from data to address issues of variance across methods as they apply to clinical setting.”
- Dr Zhao will confer with Drs Lu and Kim on physics abstract

Next Steps

- Abstracts will be reviewed on next call prior to Apr 15 submission deadline
- Dr Kim will incorporate changes into abstract one (clinical)
- Dr Zhao will confer with Drs Lu and Kim on abstract two (physics)
- Dr Schwartz will report on current trials, e.g. ACRIN 6678, CaLGB and clinical sufficiency of cases
- Next call scheduled for Monday, April 5 at 11 am CDT