

QIBA Vol-CT Weekly Update WebEx
September 29, 2008, 11am CDT
Call Overview

In attendance:

Andrew Buckler, BSEE, MSCS (Chair)
Rick Avila, MD
Martin Barth, PhD
Charles Fenimore, PhD
Robert Ford, MD
Wendy Hayes, DO
Louis Marzella, MD, PhD
Michael McNitt-Gray, PhD
P. David Mozley, MD

Daniel Nicolson
Kevin O'Donnell
Nicholas Petrick, PhD
Sandra Scheib, RN, MSN
Lawrence Schwartz, MD
Daniel Sullivan, MD
Binsheng Zhao, PhD
Fiona Miller (RSNA)
Joe Koudelik (RSNA)

Vol-CT Tech Committee Co-Chairs Announced

Drs. P. David Mozley and Lawrence Schwartz both agreed to accept co-chair roles for the Vol-CT Technical Committee. The combination of expertise would certainly benefit the group.

Andrew Buckler provided an overview of the slide set to be presented during the upcoming DIA meeting on October 3, 2008, and thanked all who contributed. Any additional comments or improvements were welcome and should be emailed to Mr. Buckler directly.

DIA Slide Presentation to Advocate Vol-CT as a Biomarker

- Make this a real activity
- Initial focus to be on tumor volume
- Diagnostic accuracy and reproducibility needed
- Radiologist mark-up may be needed for ground truth determination
- Line-up phantom in meaningful collaboration between Pharma and instrument manufactures within next couple of years

General Discussion

- Specifics of Groups 1A, 1B, and 1C were discussed
- Membership of Subgroups – Formal Subgroup Roles
- Overlap of group membership approved, but not that of leader roles

1A – Drs. Petrick and Hayes to lead group effort

- Concentrate on existing data
- Bias and variance to be addressed with software and readers
- Inter & Intra-reader variability
- Could be used as initial “kill-shot” for making go/no-go decisions
- Details not yet determined
- Dr. Petrick’s group to focus on completion of 1A
- Need answers from 1A to help design 1C

1B – Dr. McNitt-Gray to lead group efforts

- No action plan determined yet
- Work with Drs. Robert Ford and Charles Fenimore on 1B

- Drs. Lawrence Schwartz and Binsheng Zhao to assist
- 1C – Drs. Petrick and Hayes to pursue once 1A becomes more established (parallel activities OK)
 - Focus is systems engineering analysis
 - New data collection required
 - Potential difference is where data is collected (variation)
 - Institutions
 - Hardware used
 - Lesion location (peripheral)
 - Lesion design
 - A continuation process
 - Leave as-is for now
 - New ideas needed – who and how to lead 1C tbd
- Combining 1A and 1C considered most logical – a natural progression

ACTION ITEMS:

- Dr. Mozley to send Mr. Buckler graphics for slide deck – “Change in tumor volume over time”
- Next week’s call to devote equal time to 1A and 1B process details