

QIBA vCT Group 1B Update WebEx
August 13, 2009 at 2 PM CDT
Call Summary

In attendance:

Michael McNitt-Gray, PhD (Moderator)	RSNA
Kristin Borradaile, MS	Fiona Miller
Andrew Buckler, MS	Mary Cerceo
David Clunie, MBBS	
Charles Fenimore, PhD	
John Lu, PhD	
Nicholas Petrick, PhD	
Binsheng Zhao, DSc	

- **General Discussion:**
 - The Memorial Sloan Kettering 1B data set has been downloaded.
 - 32 cases have been downloaded with patient id from RIDER.
 - Kristin Borradaile and Dr. Petrick have communicated about the naming scheme.
 - Dr. Kim will identify a randomization scheme.
 - Dr. McNitt-Gray shared details of the coffee break experiment (data available).
- **MSK Coffee Break Experiment-**
 - “Instance creation time” helps distinguish scan order.
 - Can be labeled: Scan 1 and Scan 2
 - Dr. Fenimore commented that some systems may work from x-y -location rather than pixel count. An arrow will be used to point out the correct lesion.
- **1B study**
 - One lesion per patient is preferable and workable.
 - 32 cases with 5 readers will provide sufficient power
 - If more than 1 lesion per patient were used, generalizing statistical correction would be needed.
 - Very specific guidance will be given to the readers in printed format.
 - Selection and limitation rules will be clear.
 - Readers will see images in 3 planes for volumetric assessment.
 - A statement of inclusion criteria will be written by Dr. McNitt-Gray, to be included in the profile.
 - Drs. Mozley and Mulshine will review.
 - Dr. Clunie advised the committee that the new software uses the same segmentation algorithm as used in the 1A study, and that it has been incorporated into the workflow.
 - The software is easier to use and constrains window frame.
 - Software will be available in a 2-3 months but pre-release use for this study is feasible.
 - Follow initial study design aspect: readers to view in blocks of 10 (10 volume, 10 diameter, etc.)
 - Dr. McNitt-Gray to consult radiologists to determine whether the selected lesions are acceptable i.e., would be used in a response-assessment study.

- **To Do:**

- Dr. McNitt-Gray to develop inclusion criteria for review by Drs. Mozley and Mulshine
- Dr. McNitt-Gray will send directions on downloading study from RIDER to Dr. Michael O'Neal (RadPharm).
- Most recent data sets will be finalized and sent to Kristin Borradaile (RadPharm)
- Dr. McNitt-Gray will provide images for any new lesions included in the study.
- Next 1B call in two weeks.