

QIBA COPD Lung Density Reference and Consistency Standards Work Group

April 13, 2011 at 2 PM CDT

Call Summary

In attendance

Philip Judy, PhD

Heather Chen-Mayer, PhD

David Gierada, MD

Zachary Levine, PhD

RSNA

Joe Koudelik

Agenda:

- CT Number Scale Transfer Experiment – What Scanner Parameters Does One Need to Control?
- Parameter spreadsheet and list of scanner attributes discussed
- Are parameters overly constraining and unnecessary?
- Size of ROI needs to be defined
- Image acquisition vs reconstruction
- Field-of-View (FOV) discussed
 - CT numbers known to differ depending on different data collection diameters used
- FOV vs reconstruction options discussed
- Dual energy issues
- NIST scanning update provided (Dr Chen-Mayer)
 - Data analysis and reproducibility being studied
- Reconstruction kernel effects discussed

Next steps:

- Dr Judy to forward Dr Gierada the COPDGene meeting presentation for reference
- Dr Judy to forward updated excel spreadsheet (of scanner attributes to control) to all group members on today's call; feedback welcome
- Drs Chen-Mayer and Levine to provide update of NIST scanning studies on next LDRCS call
- Next call scheduled for Wednesday, April 27, 2011 at 2 PM CDT