

QIBA DCE-MRI Phantom Data Analysis Update
Friday, April 24, 2009
10:00 AM CDT
Call Overview

In attendance:

Gudrun Zahlmann, PhD (Co-Chair)
Edward Jackson, PhD

RSNA
Linda Bresolin, PhD, MBA, CAE
Steve Drew
Fiona Miller
Susan Anderson
Joe Koudelik

General Discussion:

With the initial phantom image acquisition complete at MD Anderson CC, the discussion turned to next steps which include shipping one phantom to next site (UChicago) and determining the most practical data storage/sharing platform for data transfer between imaging sites and VirtualScopics.

- Dr Jackson sent revised acquisition protocol to DCE-MRI Co-chairs for comment
- Parameter information for Siemens systems needed (from U-Penn and Dr Purdy)
- Requirements of data transfer/storage/access system chosen
 - Ease of use and implementation
 - Centralized solution (database/location)
 - Users need open access to this data; a key requirement
 - Make data public (secondary/separate issue)
 - All imaging centers to forward data to one site for easy access/sharing
- Data transfer/storage/access options
 - DVD distribution
 - SFTP site
 - MIRC
 - Data disseminated storage process (open-source RSNA software)
 - Transfer mechanism with image access
 - Can define who has access; controllable
 - http protocol transfer process
- John Freymann (NIH/NCI) to be invited to participate on a technical call to discuss MIRC feasibility
 - John Perry (MIRC developer for RSNA) could be involved
 - Dr Jackson to discuss off-line with Mr Freymann
- Dr Ashton to be allowed access to images in NCIA database accessVirtualScopics could develop a SFTP site if needed
- U-Chicago to receive one phantom next week to begin Philips (New) image acquisition
- U-Penn to receive phantom once Siemens' system parameters are addressed

Next Steps:

- Dr Jackson to send updated acquisition protocol to Dr Karczmar at U-Chicago to begin prepping site
- Dr Jackson to test data transfer based on established SFTP and MIRC at MD Anderson
- Drs Zahlmann, Purdy and Rosen to work together to provide Siemens parameter data

- Dr Karczmar to contact Dina (?) at ACRIN for name of Penn physicist for additional Siemens advice/expertise
- Schedule tech call to discuss MIRC process with John Freymann (NIH/NCI), Steve Drew (RSNA), Dr Edward Ashton (VirtualScopics) and Dr Edward Jackson (MD Anderson CC) plus one representative from each scanning site
- Schedule another QIBA DCE-MRI core group call in two weeks (after MIRC discussion)

Order of phantom shipping between imaging sites

