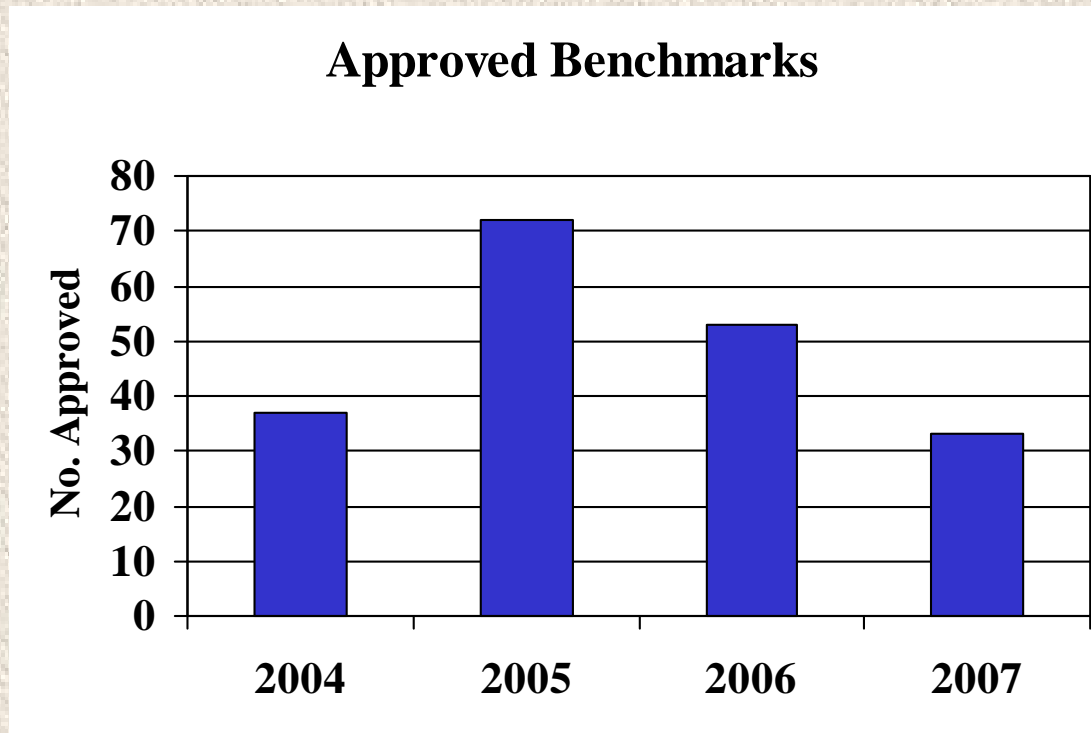


QARC Credentialing/QA Report

ATC 3/27/08

IMRT Benchmark

- 116 QARC Benchmarks approved (through March, 2008)
- 126 approved with RPC phantom + Questionnaire



3D Conformal Benchmark Submission/Approval Summary

- 74 benchmarks submitted
- 62 approved, 2 approved by RPC
- 54 submitted electronically
- All submissions to be shared with RPC for use in RPC site visits

3D CSI and Mantle Benchmarks

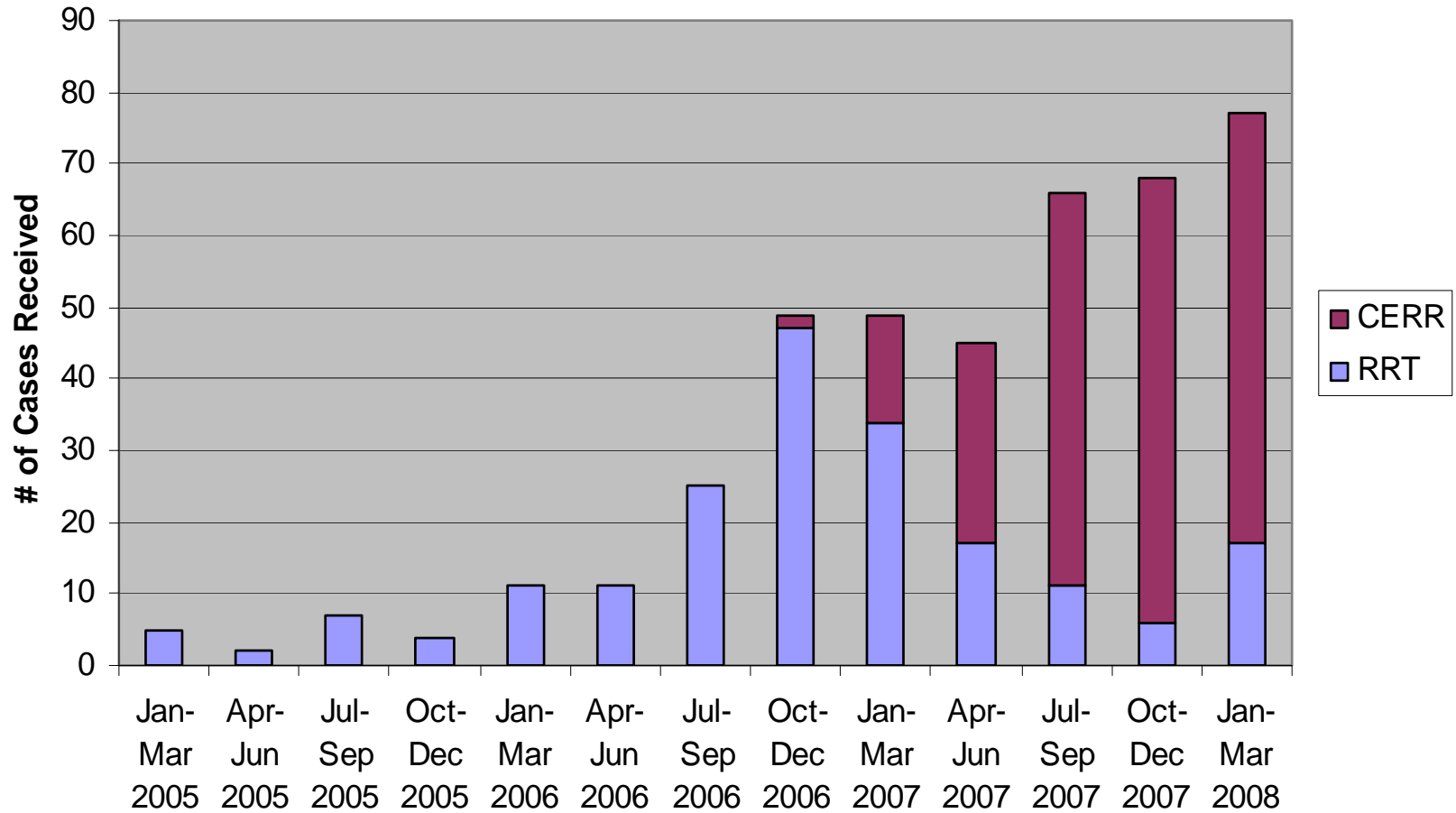
	CSI	Mantle
Submitted	10	7
Approved	7	6
Electronic	7	7

Digital RT Data

Current Accrual (3/20/08)

Protocol	Number of Cases
ACNS0121	45
ACNS0126	5
ACNS0331	43
ACOSOG Z4032	21
CALGB 80101	17
miscellaneous studies	248
Total of 379 cases from more than 100 institutions and more than 50 studies	

QARC Digital RT Data

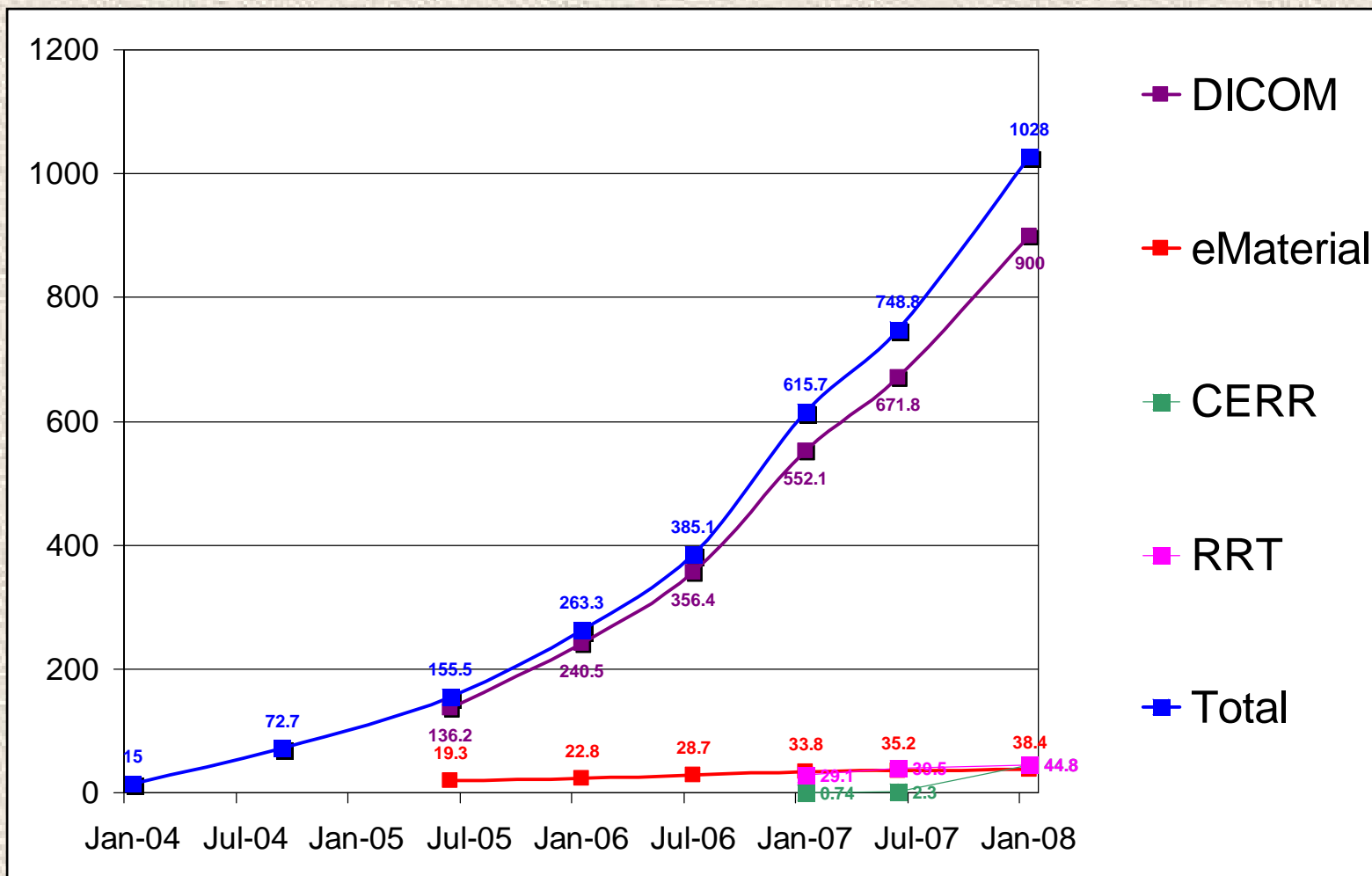


QARC Digital Data Archives



Values
in GB

6 month intervals 2004-2008



Use of CERR at QARC

- More than 200 protocol cases and 140 benchmark cases have been imported into CERR.
- Studies from 13 planning systems have been successfully imported into CERR.
- We have converted our Matlab license to the network concurrent option so that CERR can be accessed remotely by connection to a terminal server through a web browser. Could be firewall issues for institutional access.
- We have submitted an abstract to ASTRO on the customization of CERR for use at QARC

Use of CERR at QARC

Planning systems with successfully imported studies

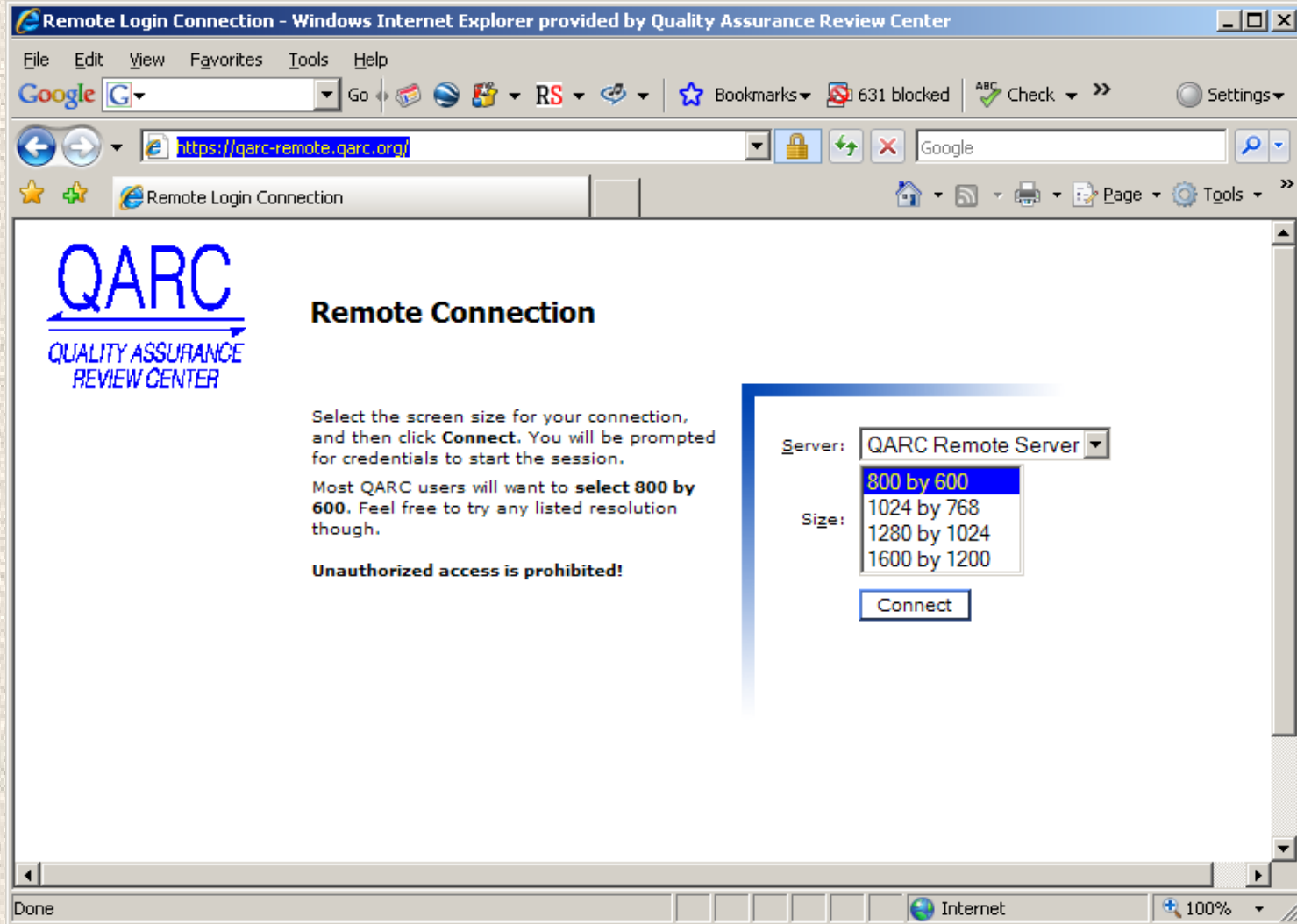
DICOM RT

- Eclipse
- Variseed
- Plato
- XiO
- Oncentra Masterplan
- Helax
- IsoGray
- Konrad
- Memorial Planning System

RTOG

- Pinnacle
- XiO
- Theraplan Plus
- Corvus
- UMPlan

Use of Terminal Server to View Imaging And Digital RT Remotely



Remote Login Connection - Windows Internet Explorer provided by Quality Assurance Review Center

File Edit View Favorites Tools Help

Google G Go RS Bookmarks 631 blocked Check AutoLink AutoFill Settings


https://qarc-remote.qarc.org/ Google

Remote Login Connection

Press SPACEBAR or ENTER to activate and use this control

12:00:13 PM
Wednesday, March 2

Login



Username

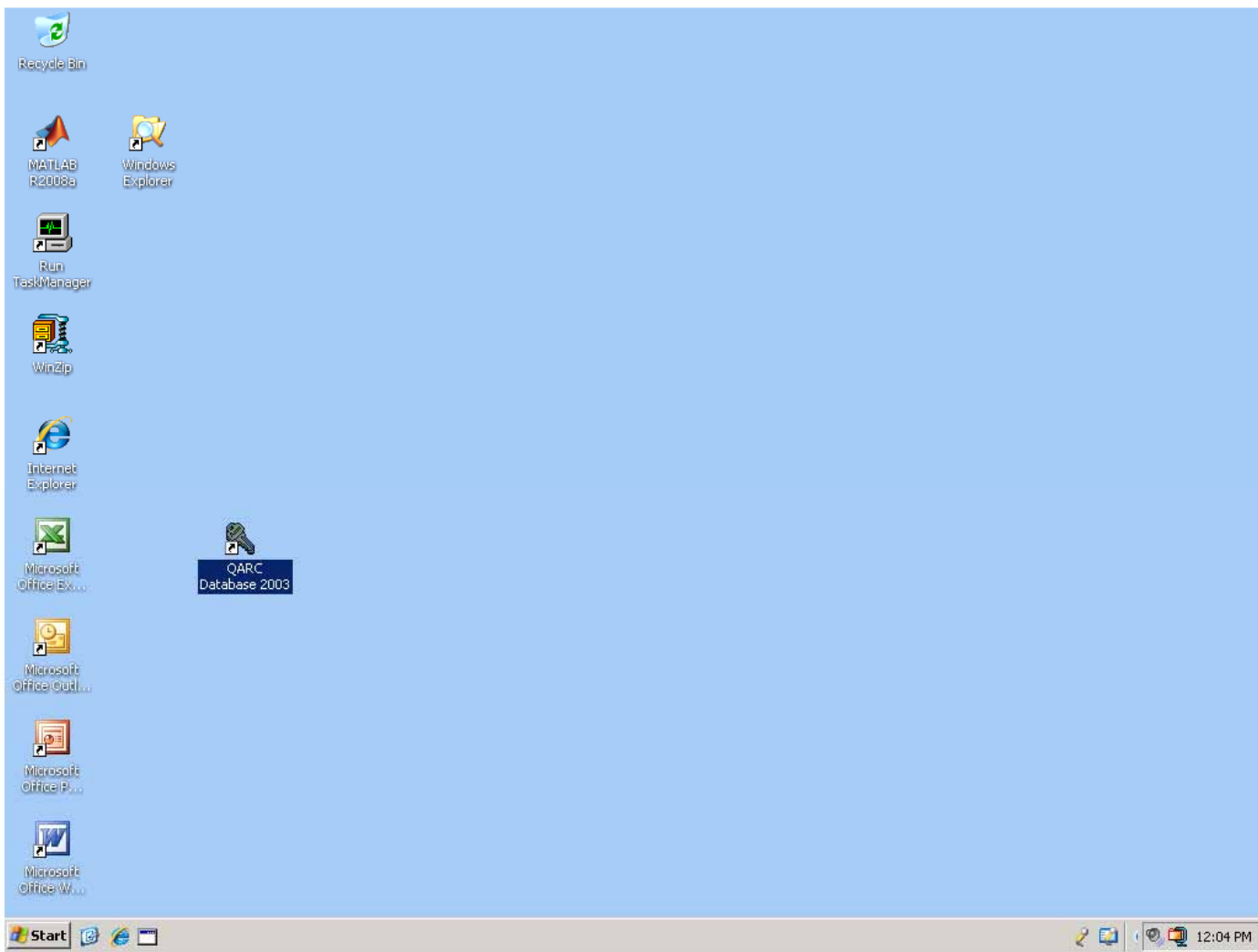
Password

Domain

OK Cancel

Done Internet 100%

ATC 3/27/08



Connected to qarc-remote.qarc.org

MAX Database - Secure - Network - mde - [What operation would you like to perform?]

MAX Database - Secure - Network - mde - [frmPgDicommunicatorViewerTwoStudies : Form]

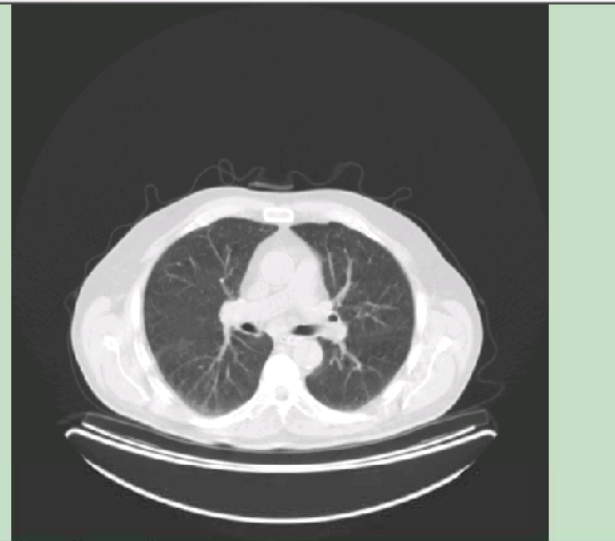
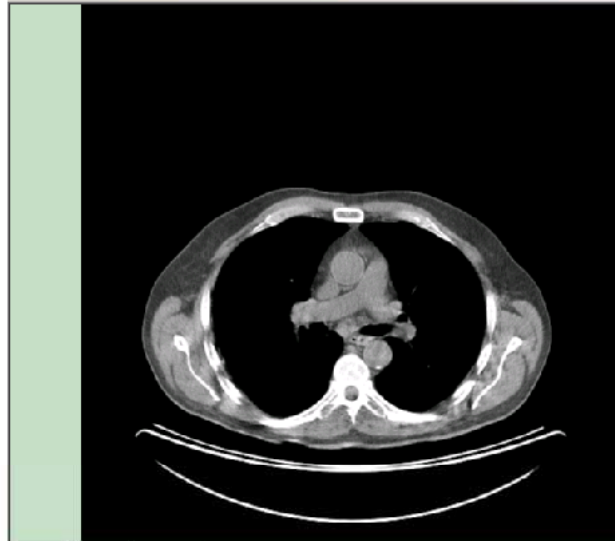


Image Activity Attributes

Active Tool

- Scroll
- Win/Lev
- Select
- Zoom
- Flip/Rotate
- Measure...

Coop Group CLB

Protocol C0437

Case Number 110304

Study Date 10/24/2007

Preset Abdomen/Soft

Format 1:1

QARC Number DUKCD0437C1*B

Slice Thickness: 2.00000

Study: PET^1PETCT_WholeBody (Adult)

Series Navigation

Series: 1/1 CT WB FUSION

Image Navigation

Image 153 of 488

Image Activity Attributes

Active Tool

- Scroll
- Win/Lev
- Select
- Zoom
- Flip/Rotate
- Measure...

Coop Group CLB

Protocol C0437

Case Number 110304

Study Date 10/24/2007

Preset Lung

Format 1:1

QARC Number DUKCD0437C1*B

Slice Thickness: 2.00000

Study: PET^1PETCT_WholeBody (Adult)

Series Navigation

Series: 1/1 CT WB FUSION

Image Navigation

Image 153 of 488

MAX Database - Secure - Network - mde - [Patient Data]

File Edit Format Records Tools

Data Status DS 3C Review Data Clinical 1 Clinical 2 Mail eMaterials Intervention Logs Benchmark Remote Rev.

QARC Number:

41 Item(s) Exist

Category	Target Volume	Data Type	Description	Date Recv'd	Series
RT		JPG		11-06-07	<input type="checkbox"/>
0000_DUKC0437CI0B_110304_11-06-2007_RT_primarySagittal.JPG					
Comment: <input type="text"/>					
Digital RT		Digital RT	planning ct with structures, dvhs	11-07-07	<input type="checkbox"/>
CLBVC0437c110304					
Comment: <input type="text"/>					
RT		JPG		11-06-07	<input type="checkbox"/>
0001_DUKC0437CI0B_110304_11-06-2007_RT_boostAxial.JPG					
Comment: <input type="text"/>					
RT		JPG		11-06-07	<input type="checkbox"/>
0002_DUKC0437CI0B_110304_11-06-2007_RT_boostBEV3.JPG					
Comment: <input type="text"/>					
RT		JPG		11-06-07	<input type="checkbox"/>
0003_DUKC0437CI0B_110304_11-06-2007_RT_boostBEV4.JPG					
Comment: <input type="text"/>					

eMaterials Types Delete Item Print View File Modify eMaterials Import eMaterials

Exit | ! Diagnostic Processing Undo IntraQARC Labels Save Return

Record: 1 of 1

Form View NUM

MAX Database - Secure - Network - mde - [Patient Data]

File Edit Format Records Tools

MATLAB 7.6.0 (R2008a)

CERR: \\qarcdb\pei\CERR\Patient Data\ProcessedData\CLB\C0437c110304

File View Dose Metrics Scans Structures Help

Not For Clinical Use

CT window --Manual--

Center Width

40

400



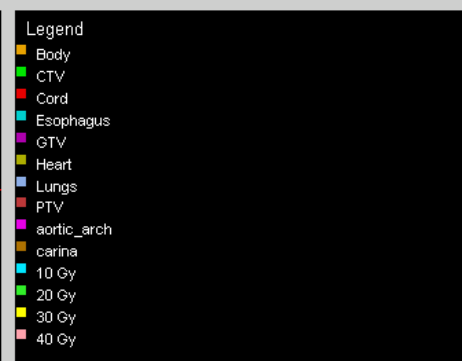
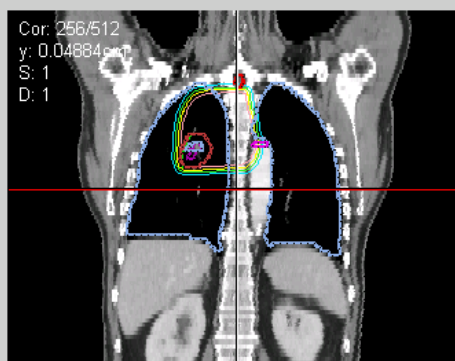
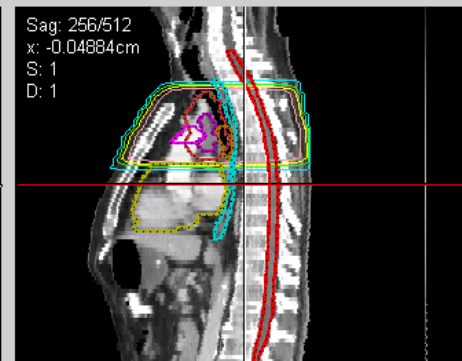
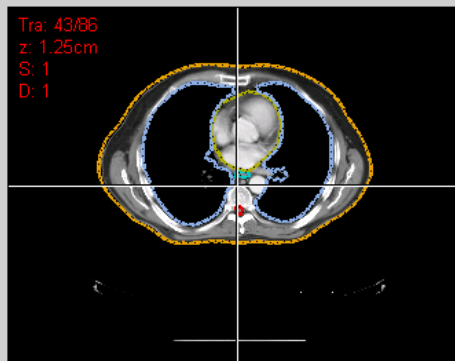
Dose

Tra: 43/86
z: 1.25cm
S: 1
D: 1

Scan

49.1 49.1

0 0



Command: help

RT LUNG+MEDIA

Loaded C0437c110304. Ready.

Use of CERR at QARC

Discussions are ongoing with the CERR team and ITC/ATC regarding future development of CERR and its use for protocol QA.