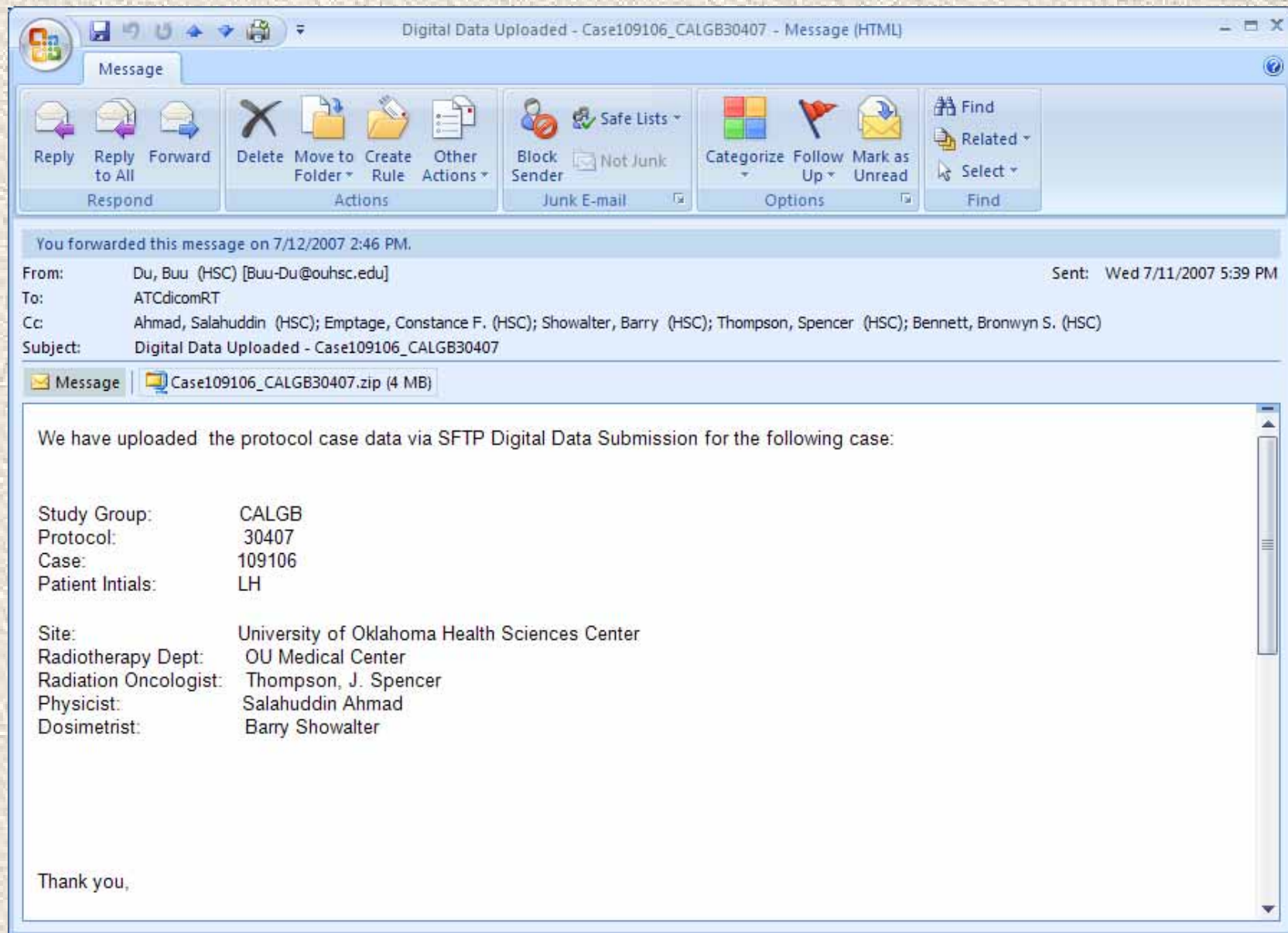


Digital Radiotherapy Data

- Data is received via FTP or CD
- We are notified that data has been received by email from the Institution or the QARC Study CRA to :
ATCDICOMRT@QARC.org
- Protocol determines which viewer to use for processing the RT data. CERR vs RRT
- Data is processed and the Study CRA is notified
- Data is linked from MAX to the viewer

Data Received via FTP



Digital Data Uploaded - Case109106_CALGB30407 - Message (HTML)

Message

Respond: Reply, Reply to All, Forward
Actions: Delete, Move to Folder, Create Rule, Other Actions
Junk E-mail: Block Sender, Not Junk
Options: Categorize, Follow Up, Mark as Unread
Find: Find, Related, Select

You forwarded this message on 7/12/2007 2:46 PM.

From: Du, Buu (HSC) [Buu-Du@ouhsc.edu] Sent: Wed 7/11/2007 5:39 PM
To: ATCdicomRT
Cc: Ahmad, Salahuddin (HSC); Emptage, Constance F. (HSC); Showalter, Barry (HSC); Thompson, Spencer (HSC); Bennett, Bronwyn S. (HSC)
Subject: Digital Data Uploaded - Case109106_CALGB30407

Message | Case109106_CALGB30407.zip (4 MB)

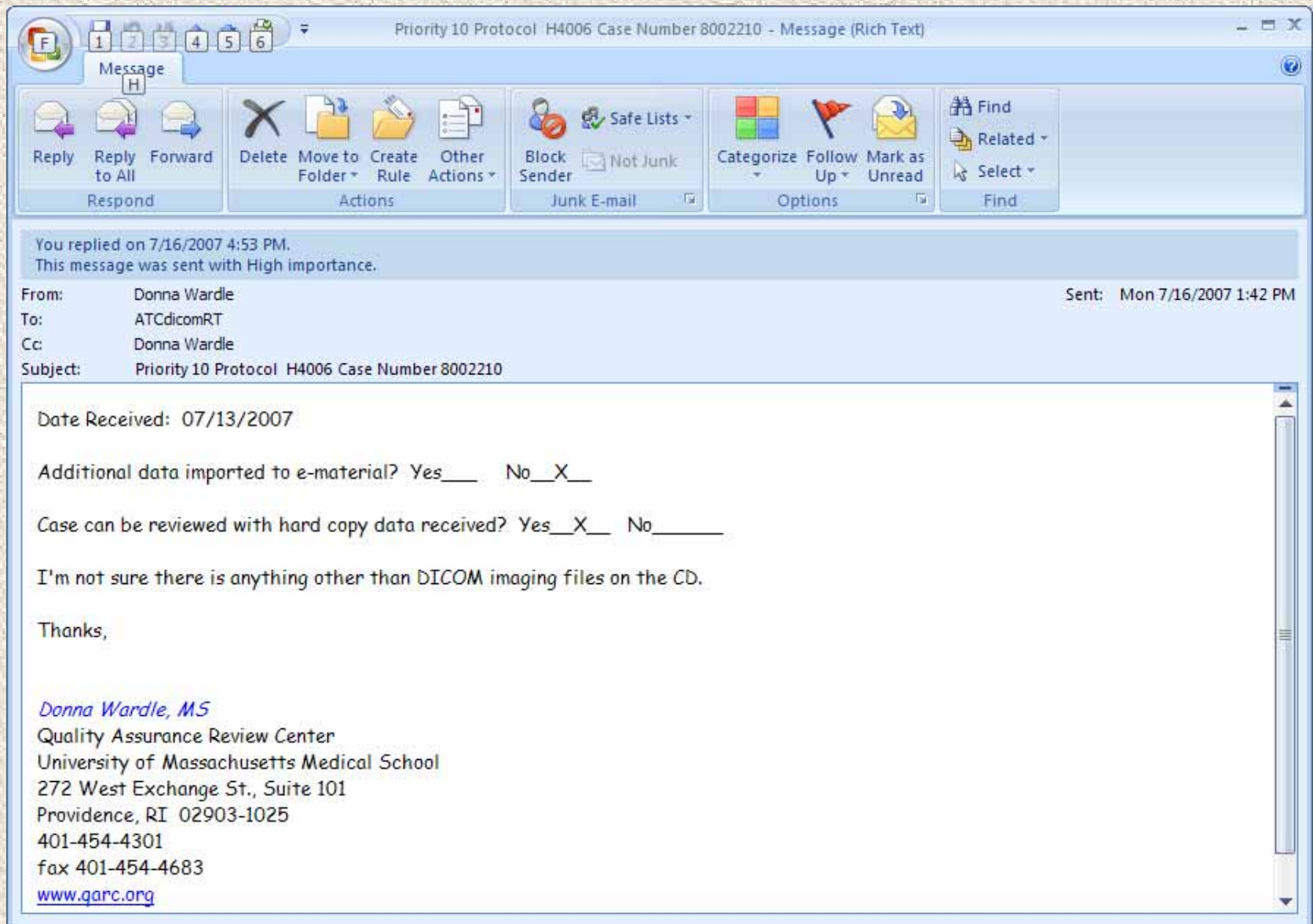
We have uploaded the protocol case data via SFTP Digital Data Submission for the following case:

Study Group: CALGB
Protocol: 30407
Case: 109106
Patient Intials: LH

Site: University of Oklahoma Health Sciences Center
Radiotherapy Dept: OU Medical Center
Radiation Oncologist: Thompson, J. Spencer
Physicist: Salahuddin Ahmad
Dosimetrist: Barry Showalter

Thank you,

Data Received via CD



Priority 10 Protocol H4006 Case Number 8002210 - Message (Rich Text)

Message

Reply Reply Forward
to All

Delete Move to Create Other
Folder Rule Actions

Block Safe Lists
Sender Not Junk

Categorize Follow Mark as
Up Unread

Find
Related
Select
Find

You replied on 7/16/2007 4:53 PM.
This message was sent with High importance.

From: Donna Wardle Sent: Mon 7/16/2007 1:42 PM
To: ATCdicomRT
Cc: Donna Wardle
Subject: Priority 10 Protocol H4006 Case Number 8002210

Date Received: 07/13/2007

Additional data imported to e-material? Yes___ No__X__

Case can be reviewed with hard copy data received? Yes__X__ No_____

I'm not sure there is anything other than DICOM imaging files on the CD.

Thanks,

Donna Wardle, MS
Quality Assurance Review Center
University of Massachusetts Medical School
272 West Exchange St., Suite 101
Providence, RI 02903-1025
401-454-4301
fax 401-454-4683
www.garc.org

RRT Study Templates

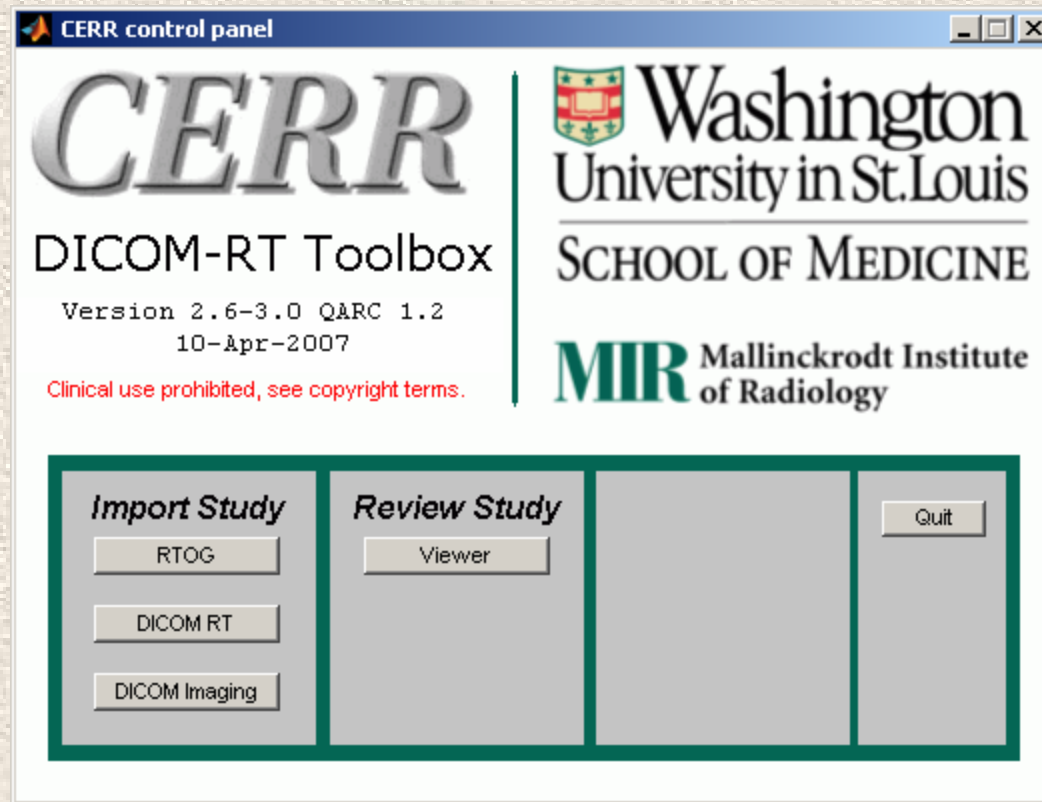
The screenshot shows a web browser window titled "QARC-ITC - Remote Review Tool - Windows Internet Explorer provided by Quality Assurance Review Center". The address bar shows the URL "http://204.17.95.243/Review/RRT/rrt.html". The page content includes the "QARC-ITC Remote Review Tool" title and a logo for "Image-Guided Therapy Center" with the tagline "An Advanced Technology Clinical Trials QA and Support Center".

The main content area is divided into two sections:

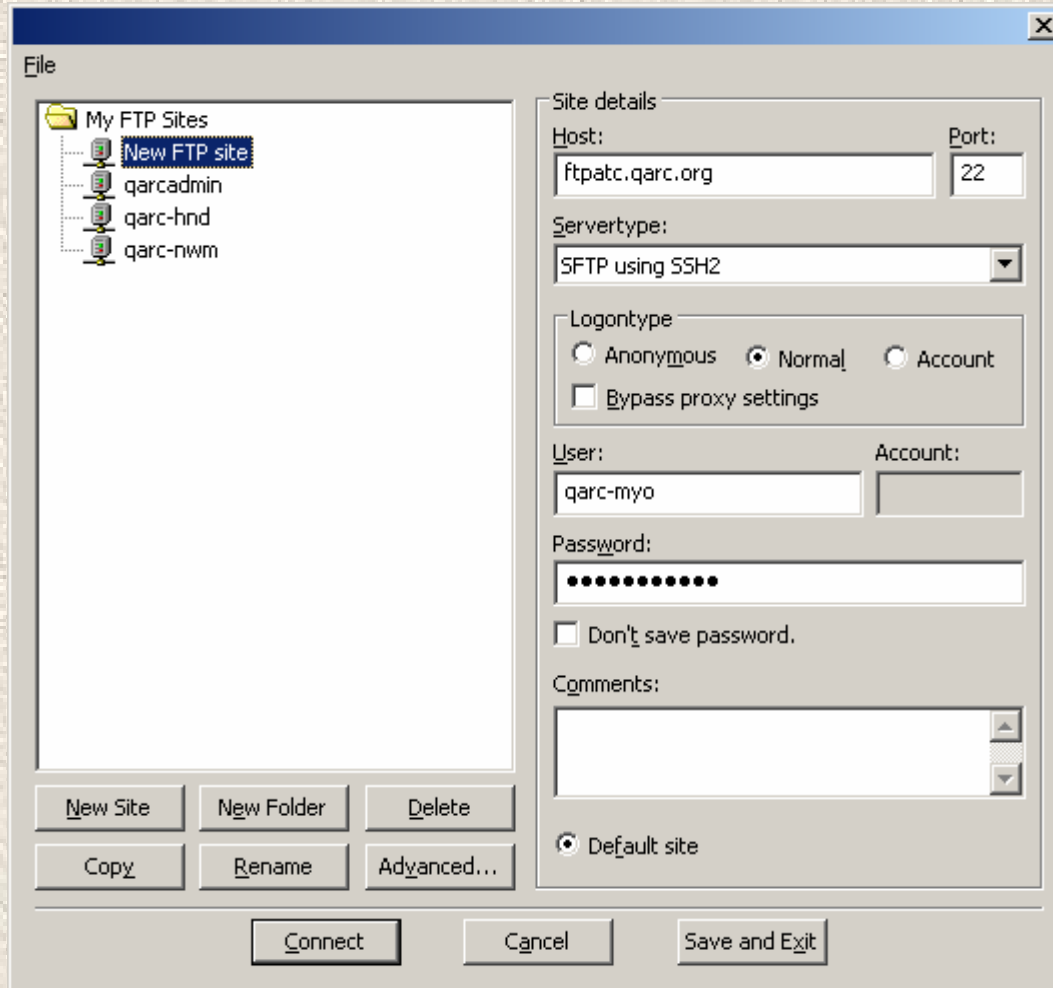
- 1. Select Protocol ...**
 - ACOSOG Z4032 (QARC Z4032) Ph III Lung Brachy
 - CALGB 80101 (QARC C0181) Ph III Esophagus
 - COG ACNS0121 (QARC ACN11) Ph II Ependymoma
 - COG ACNS0126 (QARC ACN16) Ph II High grade glioma
 - COG ACNS0331 (QARC ACN31) Ph III Medulloblastoma
 - 8000 = ATC testing
 - 8002 = QARC demo
 - 8007 = COG test 9/2003 (Field, et al.)
 - 9999 - ITC Remote Review Tool Demo Data
- 2. Select Case ...**

The browser's status bar at the bottom shows "Done" and "Internet".

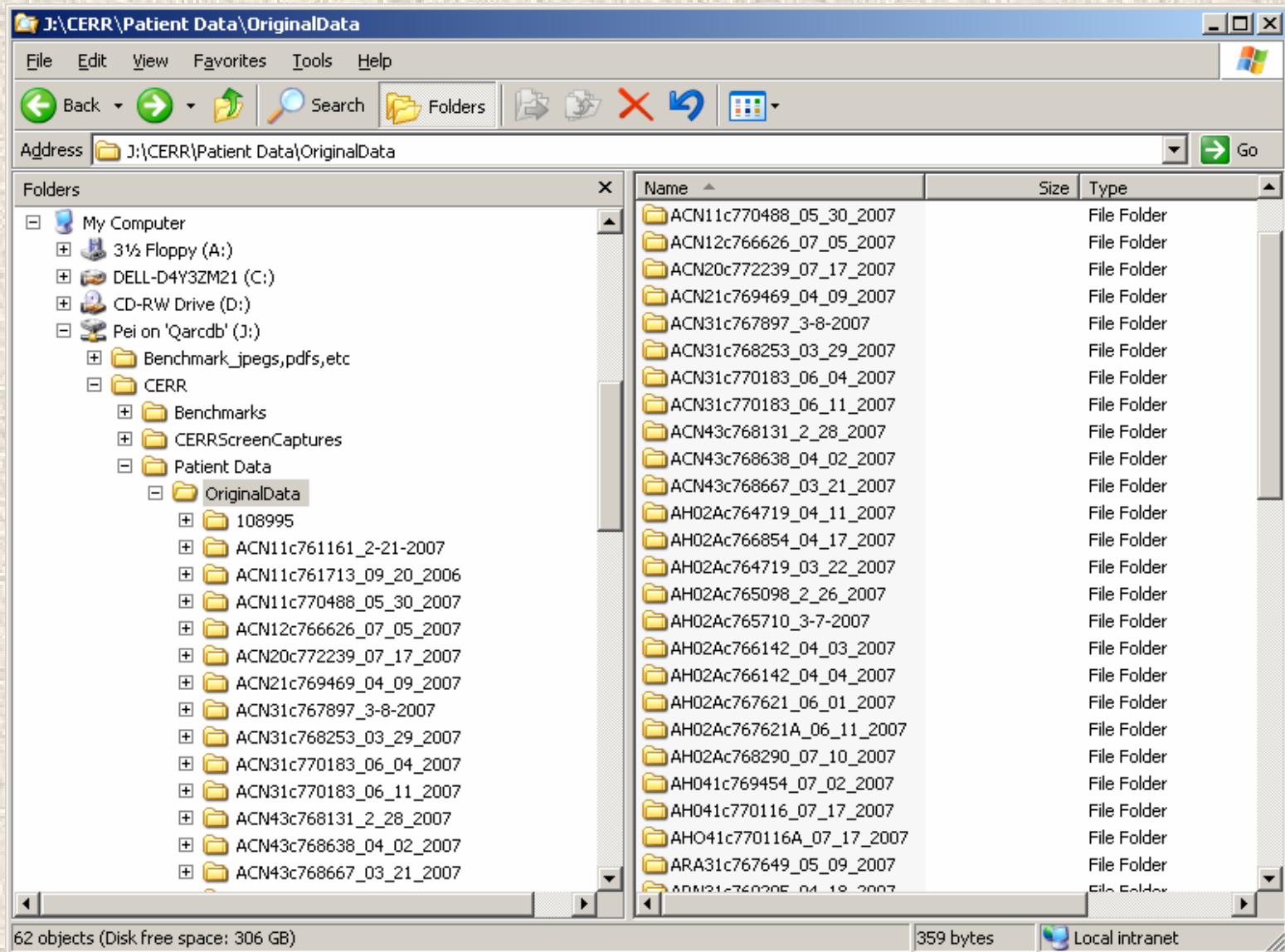
Studies without Templates use CERR



Raw Data is moved to the CERR Original Data Folder using Filezilla



Unique Dated File Name is Assigned



Data is Processed and Saved in the Processed Data Folder (Protocol c Case#)

The screenshot shows a Windows Explorer window titled "J:\CERR\Patient Data\ProcessedData\COG". The address bar shows the path "J:\CERR\Patient Data\ProcessedData\COG". The left pane shows a tree view of folders, with "ProcessedData" expanded and "COG" selected. The right pane shows a list of files with the following columns: Name, Size, and Type.

Name	Size	Type
ACN43c760613	28,626 KB	Microsoft Office Acc..
ACN43c767371	44,170 KB	Microsoft Office Acc..
ACN43c767405	35,911 KB	Microsoft Office Acc..
ACN43c767405A	30,530 KB	Microsoft Office Acc..
ACN43c768131	21,433 KB	Microsoft Office Acc..
ACN43c768638	15,628 KB	Microsoft Office Acc..
ACN43c768667	91,462 KB	Microsoft Office Acc..
ACN43c768667A	91,497 KB	Microsoft Office Acc..
ACN43c770517	64,248 KB	Microsoft Office Acc..
ACN43c771584	21,784 KB	Microsoft Office Acc..
AH02Ac764719	67,088 KB	Microsoft Office Acc..
AH02Ac765098	56,142 KB	Microsoft Office Acc..
AH02Ac765710	25,914 KB	Microsoft Office Acc..
AH02Ac766142	99,989 KB	Microsoft Office Acc..
AH02Ac766854	27,764 KB	Microsoft Office Acc..
AH02Ac767621	97,141 KB	Microsoft Office Acc..
AH02Ac768290	83,357 KB	Microsoft Office Acc..
AH02Ac764719A	65,133 KB	Microsoft Office Acc..
AH041c769454	46,691 KB	Microsoft Office Acc..
AH041c770116	83,353 KB	Microsoft Office Acc..
AH041c770116A	45,309 KB	Microsoft Office Acc..
ARA31c767649	69,497 KB	Microsoft Office Acc..
ARN31c769295	26,677 KB	Microsoft Office Acc..
ARN31c771653	59,248 KB	Microsoft Office Acc..
ARN52c770591	70,044 KB	Microsoft Office Acc..
ARN52c771272	82,220 KB	Microsoft Office Acc..

60 objects (Disk free space: 306 GB) 2.81 GB Local intranet

Determine What has been Received

CERR: \\Qarcdb\PEI\CERR\Patient Data\ProcessedData\COG\ACN43c767371.mat

File View Dose Metrics Scans Structures Help

Not For Clinical Use

CT window: --Manual--
Center: 0 Width: 300

Scan: [Up] [Down]

S+ S- Ruler

Tra: 95/190
z: 0.615cm
S: 1
D:

Sag: 256/512
x: -0.024805cm
S: 1
D:

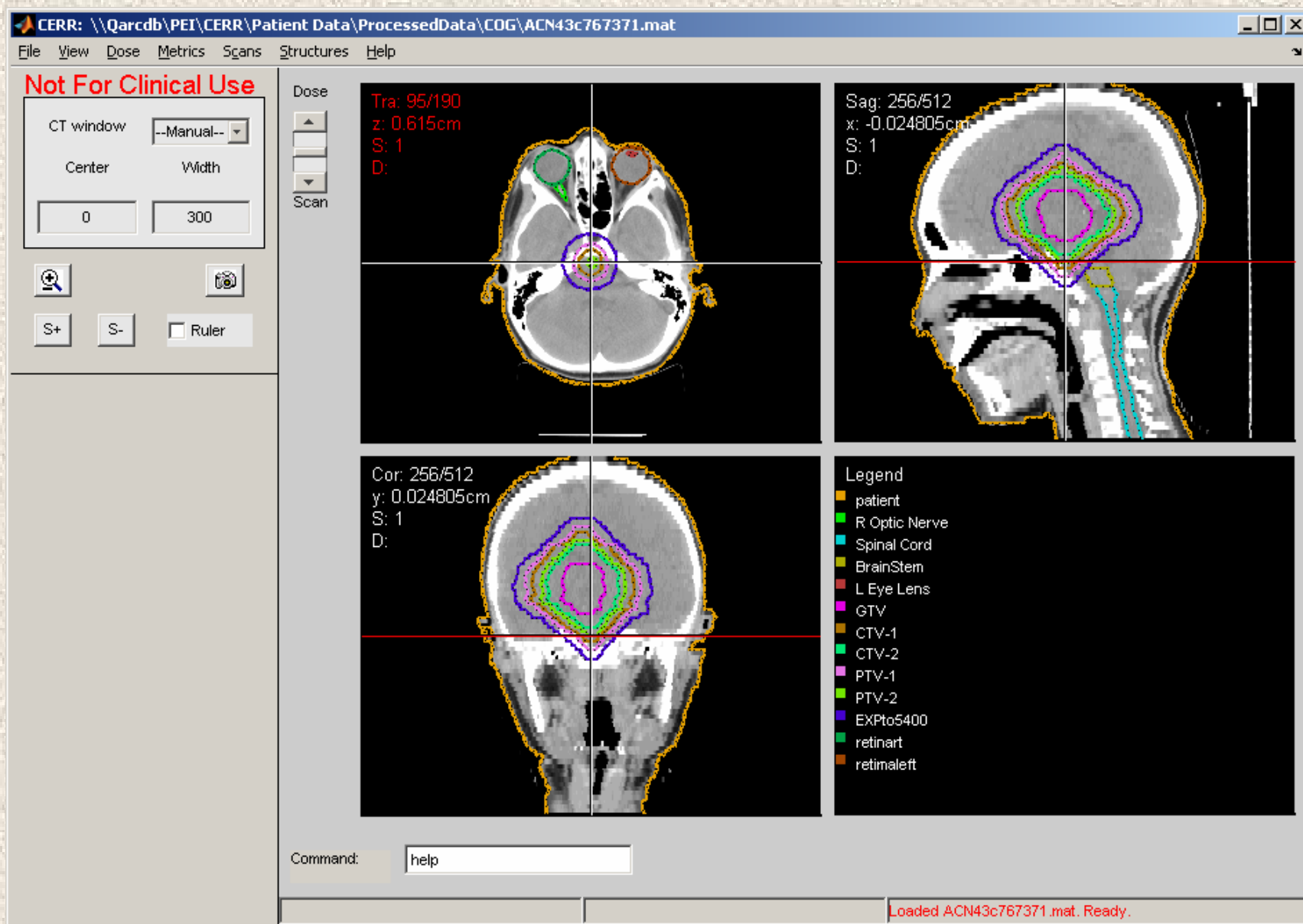
Cor: 256/512
y: 0.024805cm
S: 1
D:

Legend

- patient
- R Optic Nerve
- Spinal Cord
- BrainStem
- L Eye Lens
- GTV
- CTV-1
- CTV-2
- PTV-1
- PTV-2
- EXPT05400
- retinart
- retinaleft

Command: help

Loaded ACN43c767371.mat. Ready.

The image displays a medical software interface for radiation therapy planning. It features three main CT scan views: a transverse (axial) view at the top left, a sagittal view at the top right, and a coronal view at the bottom left. Each view shows a grayscale CT scan of a human head with several colored contours overlaid, representing different anatomical structures and target areas. A legend on the right side of the interface lists these structures: patient (yellow), R Optic Nerve (green), Spinal Cord (cyan), BrainStem (orange), L Eye Lens (red), GTV (magenta), CTV-1 (brown), CTV-2 (teal), PTV-1 (pink), PTV-2 (light green), EXPT05400 (purple), retinart (dark green), and retinaleft (dark red). The interface also includes a control panel on the left with a 'Not For Clinical Use' warning, a 'CT window' dropdown set to '--Manual--', and input fields for 'Center' (0) and 'Width' (300). There are also buttons for zooming, panning, and a ruler. At the bottom, a 'Command' field contains the text 'help', and a status bar at the very bottom indicates 'Loaded ACN43c767371.mat. Ready.'

Data Received is Logged into the MAX Patient Record

The screenshot shows a software window titled "MAX Database - JYorty - Network - mde - [Patient Data]". The window has a menu bar with "File", "Edit", "Format", "Records", and "Tools". Below the menu bar is a tabbed interface with tabs for "Data Status", "DS 3C", "Review Data", "Clinical 1", "Clinical 2", "Mail", "eMaterials", "Intervention", and "Logs". The "DS 3C" tab is active.

The main form area contains the following fields and controls:

- Name: A [text box] S [text box] QARC #: MTFH4006HA*S [text box]
- Physics Review: [text box] ; [text box] Import From [button] Review Letter Sent [text box] ; [text box]
- Joint Review: [text box] ; [text box] Spell Check [button] Re-Review Requested [text box] ; [text box]
- Dosimetry Comments: [text area]
- Volume Comments: [text area]
- Films Sent To: [text box] Data/Films Sent: [text box] Eval/Films Received: [text box]
- RSC Report: [text box] ; [text box] Sent To Capitol: [dropdown] Box- Film/Chart [text box] ; [text box]
- RSC Evaluation: [dropdown] [text box]
- Invoice Sent: [text box] Intra-QARC Comments Signed RTS Received: [text box]
- Intra-QARC Comments: 7/16/2007 JY:the planning CT with structures, PTV1 dose plan, and DVHs are available in CERR. [text area]

At the bottom of the window, there are several buttons: "Print Options", "Intervention" (highlighted in pink), "Print", "Exit", "I", "!", "Diagnostic", "Processing", "Undo", "IntraQARC", "Labels", "Save", and "Return". The status bar at the very bottom shows "Record: 1 of 1" and "Form View" on the left, and "NUM" on the right.

ATC 8/1/07

Activity is Recorded in the Physics Log RTOG Format or DicomRT is Captured

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

File Edit Format Records Tools

Data Status DS 3C Review Data Clinical 1 Clinical 2 Mail eMaterials Intervention **Logs**

Data Management Logs

	QARC Number	Coordinating Grp	Type	Modifier	Date and Time	Logged By
▶	MTFH4006HA*S	DFA	On-Tx		07/17/2007 7:42:30	donna
*	MTFH4006HA*S					

Record: 1 of 1

Physics Review Log

Note: Dbl-click on Date or Time field to create a new entry

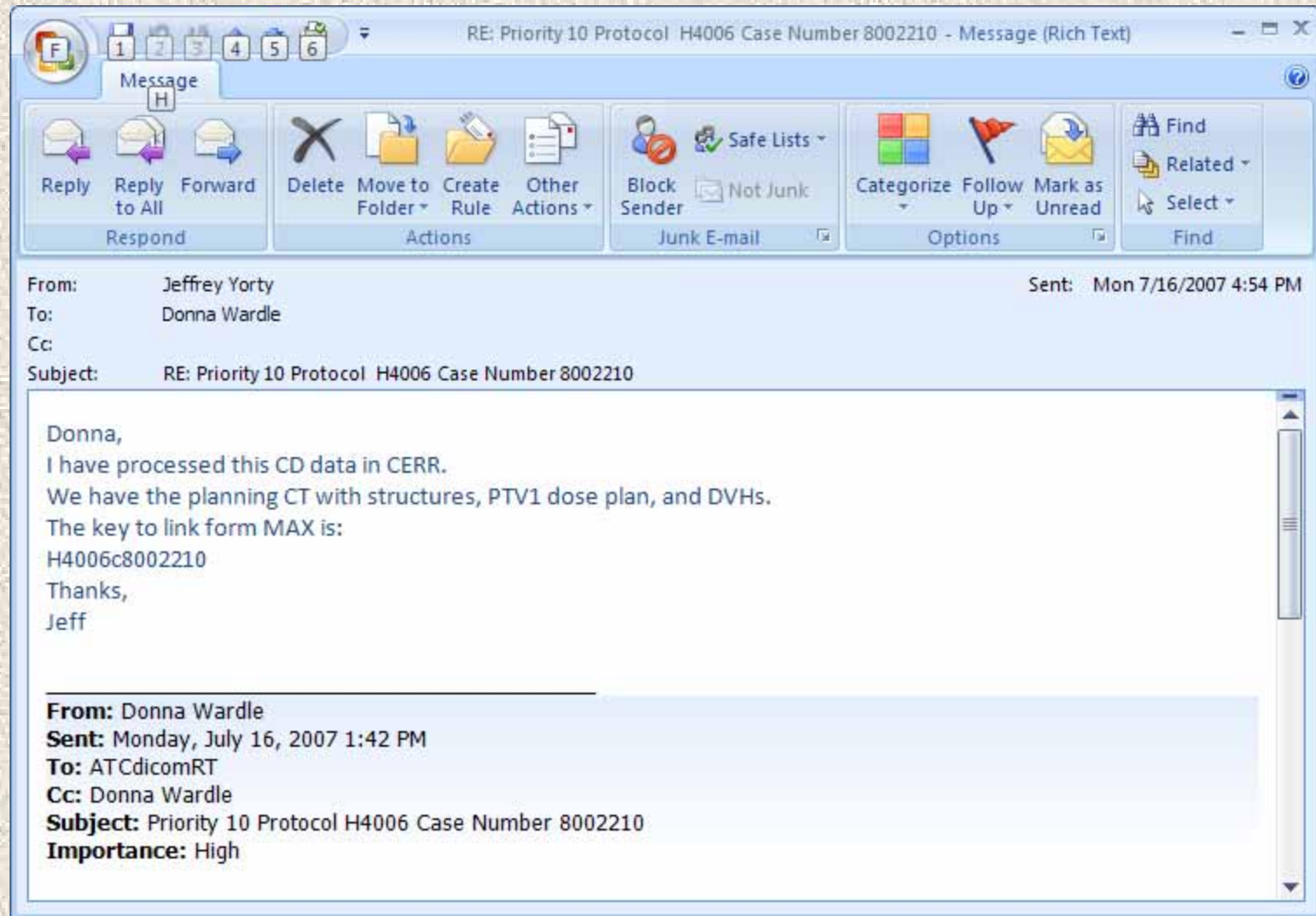
	QARC Number	Coordinating Grp	Type	Modifier	Date and Time	Logged By
▶	MTFH4006HA*S	DFA	On-Tx		07/16/2007 15:11:10	Kathy
	MTFH4006HA*S	DFA	Data Import	DicomRT	07/16/2007 16:55:14	JYorty
*	MTFH4006HA*S					

Exit | ! Diagnostic Processing Undo IntraQARC Labels Save Return

Record: 1 of 1

Form View NUM

Email Reply to QARC Study CRA



ATC 8/1/07

QARC Study CRA Links the Data from MAX

MAX-ium Question


What Type of eMaterials would you like to import? Click [eMaterials] to import normal eMaterial. Click [RRT] to have MAX link Digital RT Objects to the ATC Remote Review Tool. Click [CERR] to have MAX link Digital RT Objects to CERR.

Import RTOG Files...

CERR eMaterials Importer

\\qarcdb\peil\CERR\Patient Data\ProcessedData\COG\

MAX-imum Information

 After this message box is MAX's best guess on what the Digital RT link should be called. Please edit it carefully before click [Continue].

QARC Study CRA Links the Data from MAX

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

File Edit Format Records Tools

Data Status DS 3C Review Data Clinical 1 Clinical 2 Mail **eMaterials** Logs

QARC Number: UOKACN31AA*G Name: Asha Gasper

3 Item(s) Exist

Category	Target Volume	Data Type	Description	Date Recv'd	Series
RT		RRT	Boost plan, DVHs, and Planning CT with structures	07-30-07	<input type="checkbox"/>
ACN31c770183					Edit/Details
Comment: Boost Plan only.					
RT		jpg	Series .	06-11-07	<input checked="" type="checkbox"/>
0001_UOKACN31AA0G_770183_06-11-2007_RT_Transverse.jpg					Edit/Details
Comment:					
RT		pdf		06-11-07	<input type="checkbox"/>
0002_UOKACN31AA0G_770183_06-11-2007_RT_DVH.pdf					Edit/Details
Comment:					

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

ATC 8/1/07

Required Hardcopy Verification Isodoses and DVHs Imported and Launched from MAX

