



teleray

Talk. View Store. Share.

HOW TO INSTALL AND ENJOY TELERAY



teleray.com

Talk. View. Store. Share.

844.4.TELERAY (483-5372)

Printed by: TeleRay

Contact: info@teleray.com

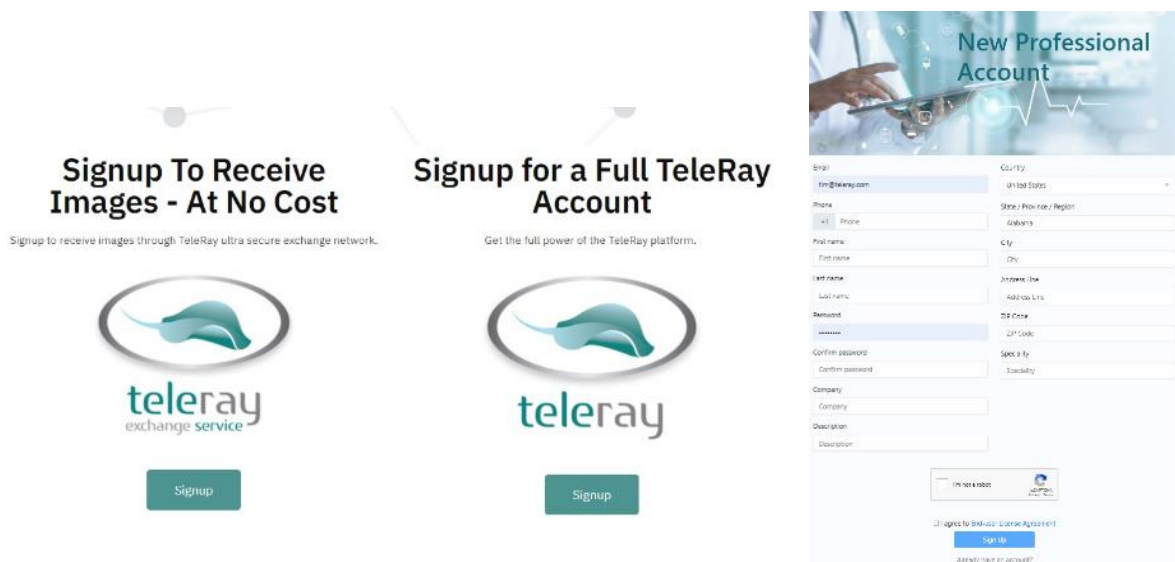
Phone: 844.4.TELERAY (483-5372)

I. Register as a TeleRay User

Go to www.teleray.com and click on Professional registration if you are a medical professional or patient as a patient.



Professional Account: Users may choose Free receive account to only receive studies, or Full Account with options for storing, sharing, sending, groups, and more. Any type of payment may be used at the time of invoicing. Fill in required details to begin using TeleRay immediately.

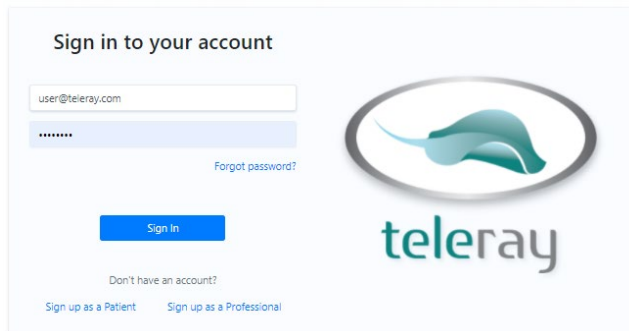
This section displays the registration options and the "New Professional Account" form. On the left, there are two registration paths. The first is "Signup To Receive Images - At No Cost", with a subtext "Signup to receive images through TeleRay ultra secure exchange network." and the TeleRay Exchange Service logo. The second is "Signup for a Full TeleRay Account", with a subtext "Get the full power of the TeleRay platform." and the TeleRay logo. Both paths have a teal "Signup" button. On the right, the "New Professional Account" form is shown. It includes fields for Email, Phone, First name, Last name, Username, Confirm password, Company, and Description. It also has dropdown menus for Country, State/Province/Region, City, and Specialty. There are checkboxes for "I agree to TeleRay's Terms of Service" and "I agree to TeleRay's Privacy Policy". A "Sign Up" button is at the bottom right of the form.

Billing is tracked in the Billing section of the user Account.

II. Temporary Password: You will receive a temporary password via email. After changing your password, you may begin using the TeleRay platform.

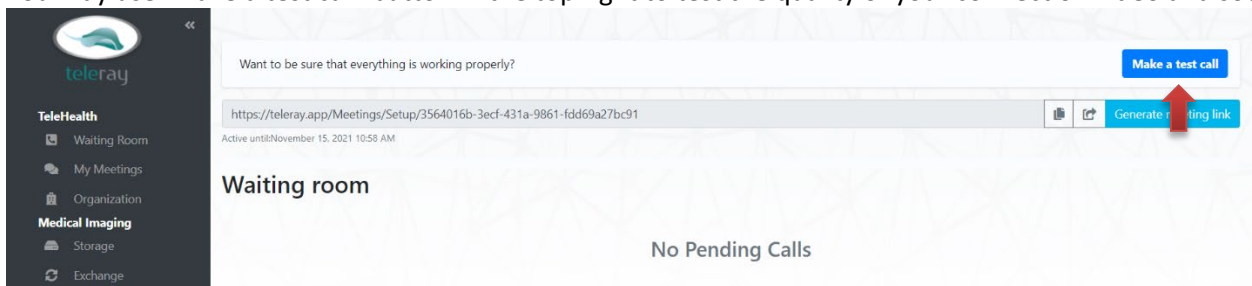
III. After Registration- Begin using TeleRay services right away!

Log into your account with your user name and password.

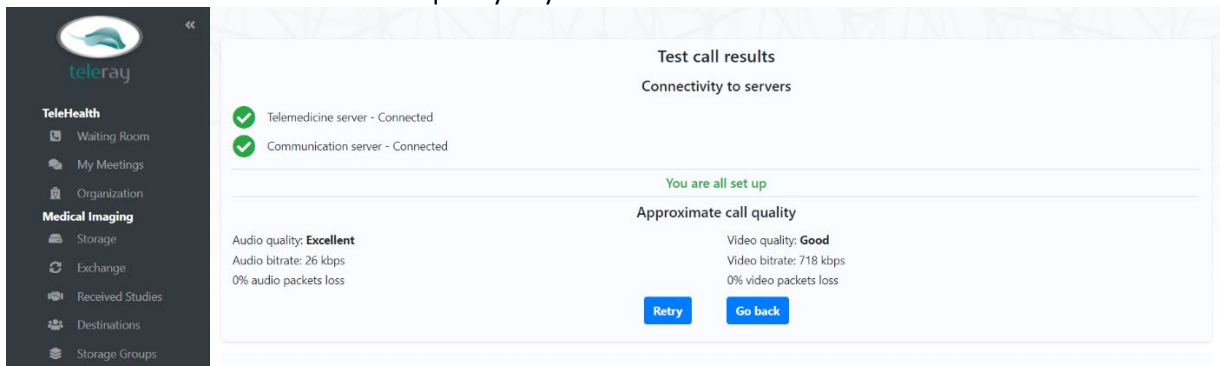


The login page features a 'Sign in to your account' header. Below it is a form with a username field (placeholder: user@teleray.com) and a password field (masked with dots). A 'Forgot password?' link is positioned below the password field. A blue 'Sign In' button is centered below the form. At the bottom, there are links for 'Don't have an account?', 'Sign up as a Patient', and 'Sign up as a Professional'. The TeleRay logo is displayed on the right side of the page.

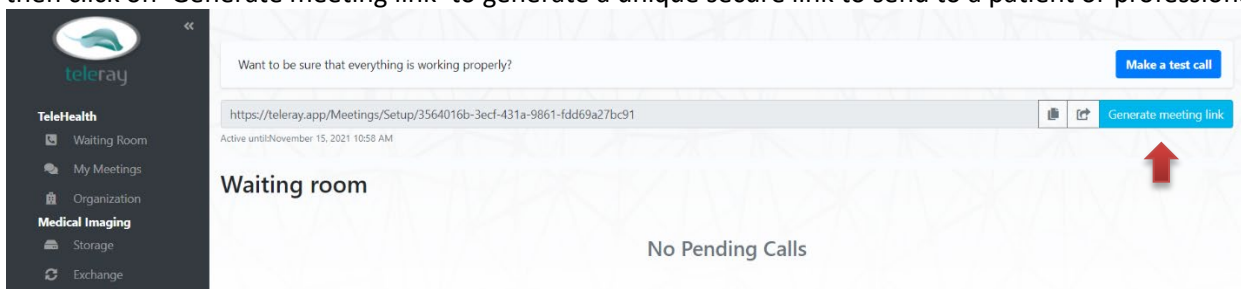
You may use 'Make a test call' button in the top right to test the quality of your connection video and sound.



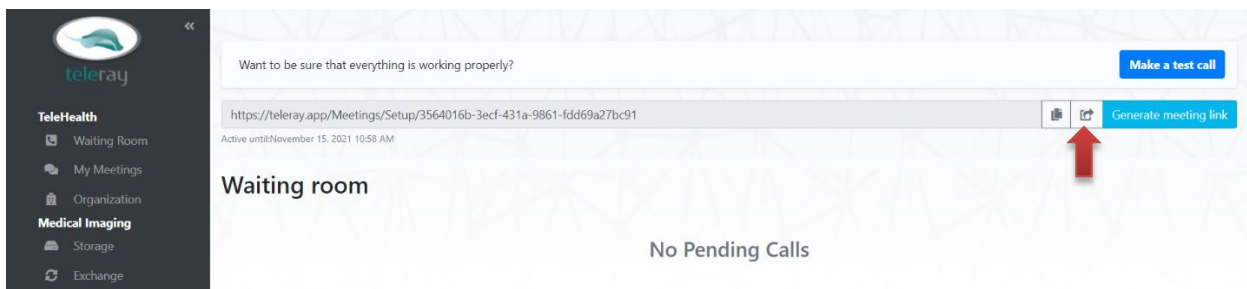
Results of test call will validate the quality of your calls.



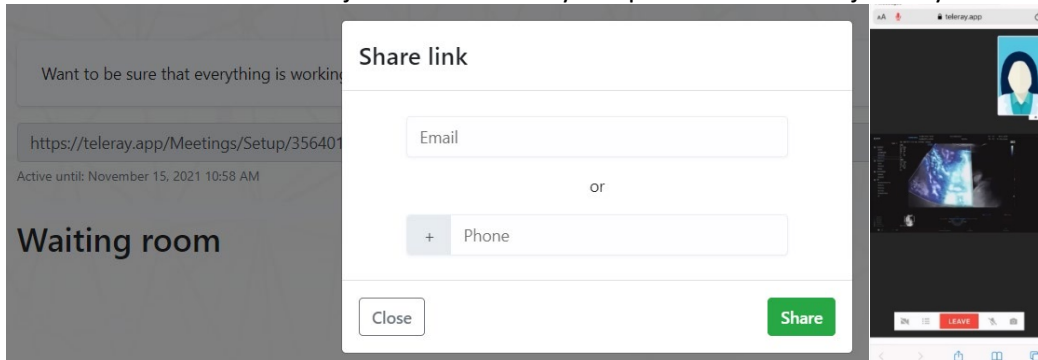
All tools, settings, logs and actions are in the list on the left. Telehealth is first option. Select 'Waiting room' and then click on 'Generate meeting link' to generate a unique secure link to send to a patient or professional.



Then click the arrow forward icon to send the link.



In this dialog box, you may enter an email, phone number or both. Putting both in will alert the recipient by text and email with a link to join call. Users may use portable device to join any call.



Once connected, you may consult and add images or results to the screen.



You may create meeting in advance by using the New Meeting link in the tool bar. Set up date, time, description and length of call- enter email and send. Links are compatible with all calendar apps.

Add a new meeting room

11/16/2021 10:00 AM

Patient consult

MRI review with report

30 min

Email

Cancel Save

You may want to set up your organization with users to create groups and reach your colleagues quickly. Once you add members, you can see who is online, set status, and create groups.

TeleRay Telehealth Organization

Members:

Show 10 entries

#	Provider name	Email	Speciality	Suspend	Single Calling Queue	Status
1	Timothy Kelley	tim@tele-ray.com	TeleHealth and Radiology	☒	☒	Online
2	Tanvir Ajmeri	tanvir@tele-ray.com	Engineer	☐	☐	Offline
3	Richard Rost	rich@tele-ray.com	Executive Director	☐	☒	Offline
4	Marc DiDomenico	Marc@tele-ray.com		☐	☐	Online
5	Cody Neville (Creator)	Cody@tele-ray.com	CTO	☐	☒	Offline

Showing 1 to 5 of 5 entries

Previous 1 Next

Medical Imaging is the next section with many features and options to manage your imaging and results data.

My Storage

Patient:

Last Name:

First Name:

Patient ID:

Study:

Study Date: to

Accession:

ID:

Description:

Modalities:

☐ CR ☐ CT ☐ DX ☐ EPS ☐ ES ☐ IVUS

☐ HD ☐ KO ☐ MG ☐ MR ☐ NM ☐ OT

☐ PR ☐ PT ☐ RF ☐ SC ☐ US ☐ XA

User Specified Modalities: [Clear Filters](#)

Show 10 entries

	Date Stored	Patient Name	Patient ID	Study Description	Study Date	Size (MB)	ACQN	DOB	MOD	Reports	Status
☐	10/21/2021	ROSS, BOB	3174570073	ANATOMY SURVEY EXAM DESCRIPTION	9/7/2021	48.348		5/5/1959	US	View Create Upload	Finalized
☐	9/24/2021	ZH WIS	138277	BLTE	11/16/2016	28.827		5/20/1996	US	View Create Upload	Finalized
☐	8/2/2021	Anonymous "f8d6d2"	0		1/1/1753	15.413		1/1/1753	CR	Create Upload	Open
☐	8/2/2021	Anonymous "f8d6d2"	0		1/1/1753	17.381		1/1/1753	MR	View Create Upload	Open
☐	7/1/2021	Affix Ischemic Cardiomyopathy	ed95276d-9efc-4003-9973-c959f41f6be		6/16/2014	130.949		1/1/1753	US	Create Upload	Open
☐	7/1/2021	Affix Ischemic Cardiomyopathy	ed95276d-9efc-4003-9973-c959f41f6be		6/16/2014	130.949		1/1/1753	US	Create Upload	Open
☐	6/16/2021	JOHNSON, LAURA	228457		11/7/2018	11.836		1/1/1753	US	View Create Upload	Finalized
☐	6/11/2021	04/8020372	9028372	RB CA Study	4/13/2008	29.746	R8STUDY020002510	1/1/1753	CR	Create Upload	Open
☐	6/7/2021	STUDY, CTA	1,2015-06-04 15:42:06	CTA A/P	9/2/2003	75.149		1/1/1753	CT	Create Upload	Open
☐	6/7/2021	BLACKWELL, ELIZABETH	1,09-07-2016 15:12:00		1/12/2000	67.027		1/1/1753	MG	Create Upload	Open

Showing 1 to 10 of 15 entries

Action with selected items: [View](#) [Delete](#) [Download](#) [Exchange](#) [Anonymize](#)

Previous 1 2 Next

[Done](#)

You may store studies and results in many different ways. Most studies are stored through direct link to the acquisition device or PACS utilizing the TeleRay upload service or TeleRay application (details further down). To upload directly in the interface, you may drag and drop whole CDs/DVDs, browse to files or flash drives, and begin upload. Any DICOM format is acceptable.

Storage Upload

Drop DICOM files here

Select Files

[+ Copy](#)

Uploaded Studies

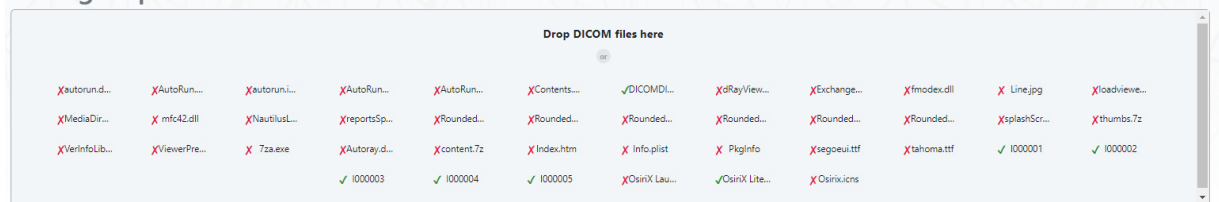
Patient Name	Patient ID	Study Description	Study Date	Size (MB)
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[Cancel](#) [Store](#)

Drag and drop discs from Computer dialog in search directory.

Once upload begins, you will see accepted files and preview option for choosing which studies to save to your cloud. Clicking 'Store' will place study into storage list.

Storage Upload



Uploaded Studies

Patient Name	Patient ID	Study Description	Study Date	Size (MB)	
VERMA^SOFIA	700999036	GD WRIST MIN 3VW RT	7/27/2012	1.74	Preview
VERMA^SOFIA	700999036	GD WRIST MIN 3VW RT	7/27/2012	3.06	Preview

[Cancel](#)
[Store](#)

Stored studies may be viewed any time on any device from the storage page. Click the name of the patient, or click multiple boxes and then the green "view" button at the bottom to open multiple patients in separate windows. Reports may be viewed and created as well.

☐	6/16/2021	JOHNSON^LAURA	228457		11/7/2018	11.836		1/1/1753	View	Create	Upload	Finalized
☐	6/11/2021	QAR2021	9228372	R8 QA Study	4/13/2006	29.746	R8STUDY0200022510	1/1/1753	CR	Create	Upload	Open
☐	6/7/2021	STUDY^CTA	1_2015-06-04 15:42:06	CTA A/P	9/2/2003	75.149		1/1/1753	CT	Create	Upload	Open
☐	6/7/2021	BLANK^ELL^ELIZABETH	1_09-07-2016 15:12:00		1/12/2000	67.027		1/1/1753	MG	Create	Upload	Open

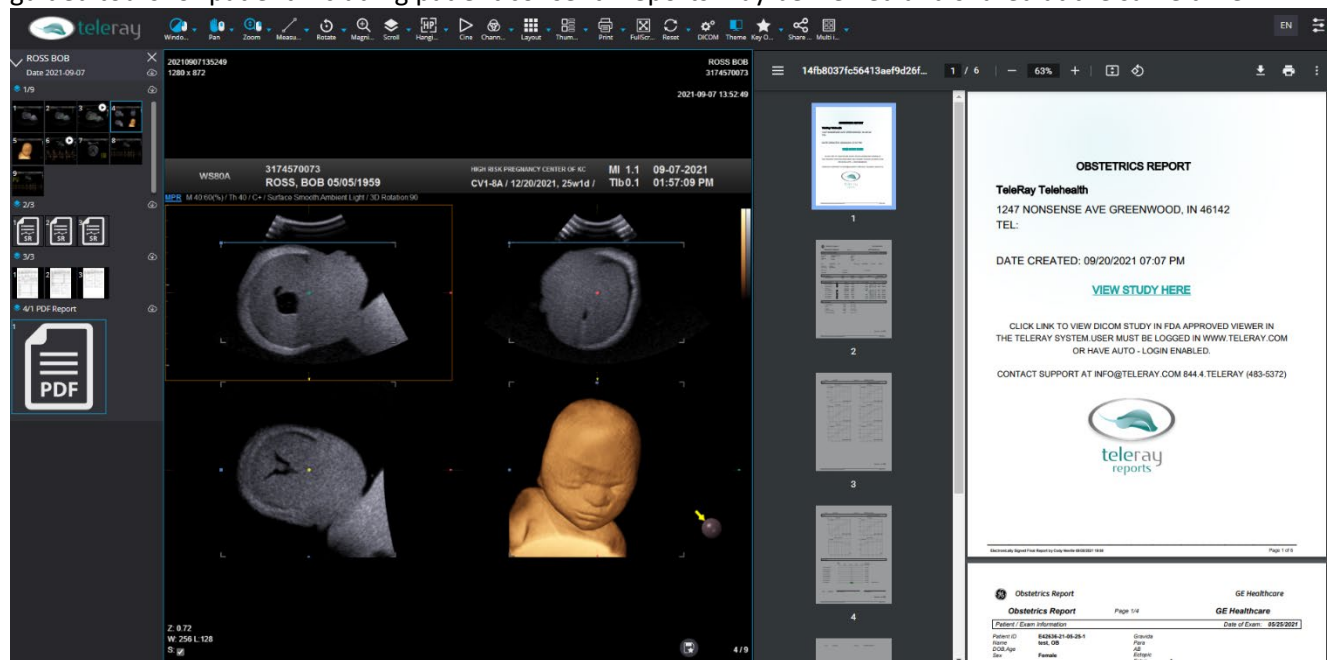
Showing 1 to 10 of 15 entries

Action with selected items: [View](#) [Delete](#) [Download](#) [Exchange](#) [Anonymize](#)

Previous [1](#) [2](#) Next

[Create](#)

TeleRay offers an FDA Approved viewer with a complete radiology tool set. This may be used for review and guided tours for patient including patient consent. Reports may be viewed and shared at the same time.



To create or view a report, click the 'View' or 'Create' button in the report column. Reports may be uploaded by clicking the 'Upload' button. Once open, you have option to create, edit or finalize. Click report to edit.

Radiology Reports

Patient Name: ROSS^BOB
 Patient ID: 3174570073
 Study Description:
 Study Date: 9/7/2021
 Study Size: 0.02 MB

View Delete Edit Print Download Finalize

Show 10 entries

Report Type	Report Name	Status	Date Saved
PDF	ROSS^BOB_PDF_REPORT_2021-09-20_19-07-15.pdf	Finalized	2021/10/13 08:52:52 PM

Showing 1 to 1 of 1 entries

Report will be highlighted. Options are now available. Click 'Finalize' to complete report.

Radiology Reports

Patient Name: Anonymized^bcbcbf
 Patient ID: 0
 Study Description:
 Study Date: 1/1/1753
 Study Size: 0.07 MB

View Delete Edit Print Download Finalize

Show 10 entries

Report Type	Report Name	Status	Date Saved
WEB	Anonymized^bcbcbf_PDF_REPORT_2021-08-02_15-49-11.pdf	Uploaded	2021/08/02 03:49:11 PM
WEB	Anonymized^bcbcbf_PDF_REPORT_2021-08-02_15-49-12.pdf	Uploaded	2021/08/02 03:49:12 PM

Showing 1 to 2 of 2 entries

Add impressions and recommendations. Preformed templates may be used and saved. Click 'Submit once complete to bring up password dialog. Enter your password to finalize report. Impressions and Recommendations will be added with your electronic signature.

Radiology Reports

Patient Name: Anonymized^bcbcbf
 Patient ID: 0
 Study Description:
 Study Date: 1/1/1753
 Study Size: 0.07 MB

Show 10 entries

Report Type	Report Name	Status	Date Saved
WEB	Anonymized^bcbcbf_PDF_REPORT_2021-08-02_15-49-11.pdf	Uploaded	2021/08/02 03:49:11 PM
WEB	Anonymized^bcbcbf_PDF_REPORT_2021-08-02_15-49-12.pdf	Uploaded	2021/08/02 03:49:12 PM

Showing 1 to 2 of 2 entries

Please Add impression/recommendation

Impression

Use Template

Paragraph

Recommendation

Use Template

Paragraph

Enter your password

.....

Cancel Submit

To create templates in reports, there are a few options. You may create a completely custom report by choosing custom, or choose preformed RSNA template from the 'Template' option, or edit and customize TeleRay Reports.

Create Radiology Report

Patient Name: Affiniti Ischemic Cardiomyopathy Patient ID: ee9527fd-9e9c-4603-9973-c955f1...

Study Description: Study Size: 2.252 MB Study Date: 6/16/2014

Cancel Save

Custom Template TeleRay Reports

Please Add impression/recommendation

Impression

Use Template

Recommendation

Use Template

All RSNA templates are loaded into the database and may be saved as custom templates after editing. After clicking Templates, you will have Specialty template to choose from and then specific state.

Create Radiology Report

Patient Name: Affiniti Ischemic Cardiomyopathy Patient ID: ee9527fd-9e9c-4603-9973-c955f1...

Study Description: Study Size: 2.252 MB Study Date: 6/16/2014

Cancel Save

Custom Template TeleRay Reports

RSNA Report Editor

- Choose Specialty -

- Choose Specialty -
- Abdominal Radiology
- Breast Imaging
- Cardiac Radiology
- Chest Radiology
- Computed Tomography
- Emergency Radiology
- Fluoroscopy
- Gastrointestinal Radiology
- Genitourinary Radiology
- Head and Neck
- Interventional Radiology
- Molecular Imaging
- Musculoskeletal Radiology
- Magnetic Resonance Imaging
- Nuclear Medicine
- Neuroradiology
- OB/GYN Radiology
- Oncologic Imaging
- Other

- Choose Template -

TeleRay Reports are customizable with fields, pictures, and any elements required.

Create Radiology Report

Patient Name: Affiniti Ischemic Cardiomyopathy

Study Description:

Study Size: 2,252 MB

Patient ID: ee9527fd-9e9c-4603-9973-c955f1...

Study Date: 6/16/2014

Cancel
Save

Custom Template **TeleRay Reports**

- Choose Form -
 - Choose Form -
 OBSTETRICS Report
 ECHOCARDIOGRAPHY REPORT
 TeleRay

Completed custom report.

Create Radiology Report

Patient Name: Affiniti Ischemic Cardiomyopathy

Study Description:

Study Size: 2,252 MB

Patient ID: ee9527fd-9e9c-4603-9973-c955f1...

Study Date: 6/16/2014

Cancel
Save

Custom Template **TeleRay Reports**

TeleRay

TeleRay Reports

Duration:

Max Predicted:

90% of Max Predicted:

Max Achieved:

Response:

Resting:

Peak:

Annotate Image:

Studies may be sent, exchanged and received in the cloud. Click Exchange in the tool bar and then click 'New Exchange'. Prior exchanges will be in list below and show Completed with success.

TeleHealth

- Waiting Room
- My Meetings
- Organization
- Medical Imaging**
- Storage
- Red Studies
- Destinations
- Storage Groups
- Account**
- Profile
- Settings
- Logs
- Support
- Logout

Cloud Exchange

Show 10 entries
New Exchange
Search:

Exchange Date	Destination	Patient Name	Study Description	Patient ID	Size (MB)	Status
10/16/2021	Richard Rost TeleRay Telehealth 507 Sawgrass Ln, Hampshire 60140 -	29 WKS	ELITE	138277	28.827	Completed
9/20/2021	Richard Rost TeleRay Telehealth 507 Sawgrass Ln, Hampshire 60140 -	Affiniti Ischemic Cardiomyopathy		ee9527fd-9e9c-4603-9973-c955f1411ebe	130,949	Completed
9/20/2021	Cody Neville TeleRay Telehealth 1247 Nonsense Ave, Greenwood IN 46142 -	PATIENT*ONE	DIAGNOSTIC UNI LATERAL DIGITAL	205905	33.279	Completed

Showing 1 to 3 of 3 entries
Previous 1 Next

Choose predetermined Destination in your list (Destinations may be searched for in "add Destinations" button). Click 'Send' to complete process. An email and/or text notification will be sent to recipient. Click 'Send to Patient' to add patient phone number and email to complete easy patient send with out discs or passwords.

New Cloud Exchange Patient Study

Patient Name	Patient ID	Study Description	Study Date	Size (MB)
JOHNSON^LAURA	228457		11/7/2018	11.836

Destinations

Show 10 entries

Search:

[Add Destinations](#)

	Company	Address	Description	First Name	Last Name
☒	Cedars-Sinai Medical Center	8700 Beverly Blvd. A028		Mark	Hyun
☒	Cleveland Clinic	9500 Euclid Ave		Todd	Shainoff
☒	Cleveland Clinic Akron General	1 Akron General Ave	PACS Specialist	Alicia	Gross
☐	New York Presbyterian Hospital	177 Fort Washington Ave	PACS Administrator	Mark	Bowerson
☐	TeleRay Telehealth	507 Sawgrass Ln	Talk.View.Store.Share	Richard	Rost
☐	TeleRay Telehealth	1247 Nonsense Ave	Talk.View.Store.Share	Cody	Neville

Showing 1 to 6 of 6 entries

[Previous](#) [1](#) [Next](#)

[Cancel](#) [Send](#) [Send to patient](#)

The Send to Patient dialog can be used for single send to other professionals and sites. The recipient receives a message on how to access their images. There is no need to administer passwords or user names.

h

Send to user

Email

Phone

+1 Phone

Send

Logs are kept for all activities in the cloud and the client. This is a critical element in HIPAA and Security compliance. Click Logs in the tool bar to review and actions with any patient by any user.

TeleHealth

- Waiting Room
- My Meetings
- Organization
- Medical Imaging**
- Storage
- Exchange
- Received Studies
- Destinations
- Storage Groups
- Account**
- Profile
- Settings
- Logs
- Support
- Logout

[Call Logs](#) [Image Logs](#)

[Export logs](#)

Activity Log

Date range: to All Search: [Search](#)

Performed By	Email	Date	Activity	Patient Name	Patient Id	Study Id
Timothy Kelley	tim@telaray.com	11-15-2021 05:37 PM	WebReportViewedFromStorage	Anonymized^bcbcbf	0	2.25.175724308415892733643522603518345143277
Timothy Kelley	tim@telaray.com	11-15-2021 05:30 PM	WebReportViewedFromStorage	29 WKS	138277	1.2.276.0.7230010.3.1.4.797021691.4868.1569697727.368
Timothy Kelley	tim@telaray.com	11-15-2021 04:10 PM	WebReportViewedFromStorage	ROSS^BOB	3174570073	1.2.410.200001.1.1131.270371256.1.20210907.1135248825.588.1
Timothy Kelley	tim@telaray.com	11-15-2021 04:09 PM	StudyViewedFromStorage	ROSS^BOB	3174570073	1.2.410.200001.1.1131.270371256.1.20210907.1135248825.588.1
Timothy Kelley	tim@telaray.com	11-15-2021 04:08 PM	StudyViewedFromStorage	STUDY^CTA	1_2015-06-04 15:42:06	1.2.276.0.7230010.3.1.4.3801770182.11960.1475089683.972
Timothy Kelley	tim@telaray.com	11-15-2021 03:56 PM	Loggedin			
Timothy Kelley	tim@telaray.com	11-12-2021 10:41 PM	ApiStudyDownloaded	SYMPOSIUM^MARCH	1_06-26-2017 14:30:03	1.2.276.0.7230010.3.1.4.2071558136.1668.1510605167.621
Timothy Kelley	tim@telaray.com	11-12-2021 10:40 PM	ApiStudySearched	Anonymized^bcbcbf	0	2.25.175724308415892733643522603518345143277
Timothy Kelley	tim@telaray.com	11-12-2021 10:40 PM	ApiStudySearched	Anonymized^dfdef2	0	2.25.13421430639255046628989551017206109824

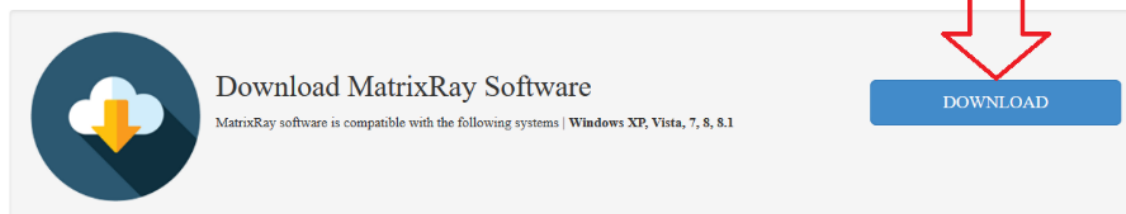
Click Settings to change any rules, upload logos, etc. Auto Answer allows your system to engage a call without you answering, or a patient to be monitored.

The screenshot displays the TeleHealth user interface. On the left is a dark sidebar with a menu including: TeleHealth (Waiting Room, My Meetings, Organization), Medical Imaging (Storage, Exchange, Received Studies, Destinations, Storage Groups), and Account (Profile, Settings, Logs, Support, Logout). The main content area is divided into several sections:

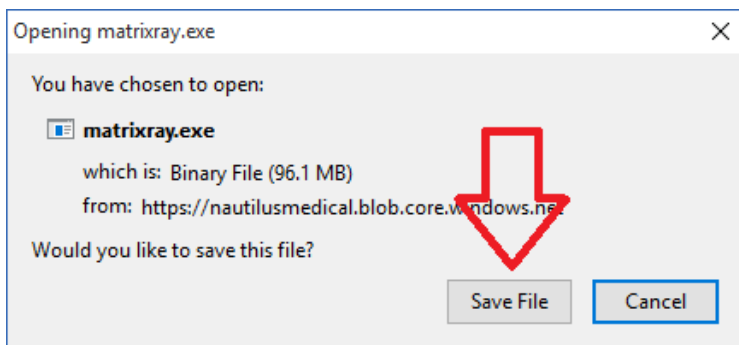
- Profile:** Name: Timothy Kelley, Type: Provider, Email: tim@teleray.com, Phone: +18473231334. A blue "Download client" button is below.
- Settings:** A list of toggle switches for "Auto answer", "Auto Storage Received Studies", "Hide from patients", and "Auto Exchange Finalized Studies". Below these are links for "Finalization Reports Templates" (with a "Manage" button) and a "Report Logo" section with "Upload" and "Preview" buttons.
- Signature:** "Add Signature for Reports" with a toggle switch and a "Referral Link for patients sign up" field containing a URL.
- Organization:** Name: TeleRay Telehealth, Description: Talk.View.Store.Share.
- Paid calls configuration:** "Paid calls" (Disabled), "App fee" (-), and "Set your call price" (input field with 0 and a dollar sign, with a "Save changes" button).
- Change Password:** Fields for "Enter old password" and "Enter new password".

Download Software: Click Account tab and view Account Overview. The first choice is Download TeleRay Software. Click the DOWNLOAD button to download latest version of TeleRay. This file may download into the Downloads folder on Windows 7 and up to Windows 10.

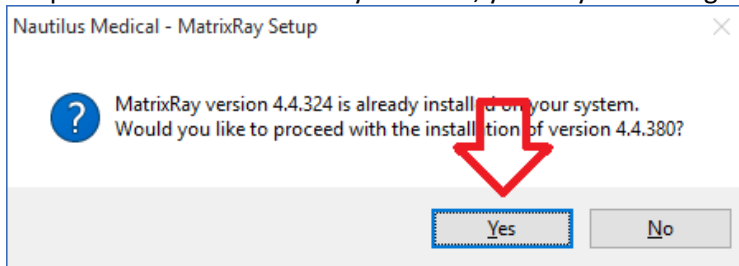
Account Overview



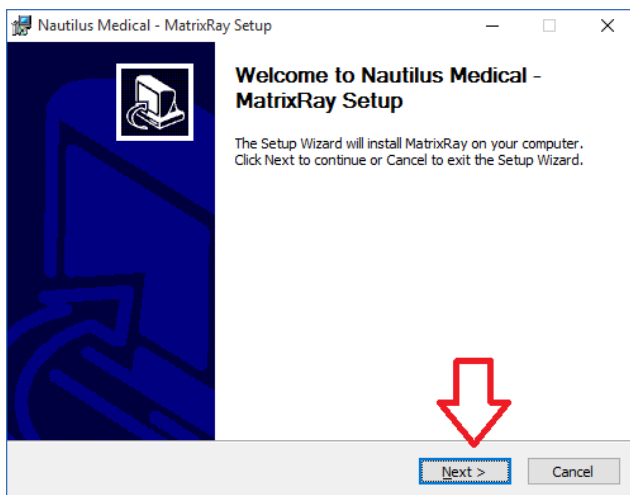
You may see this Windows dialog. Click Save File.



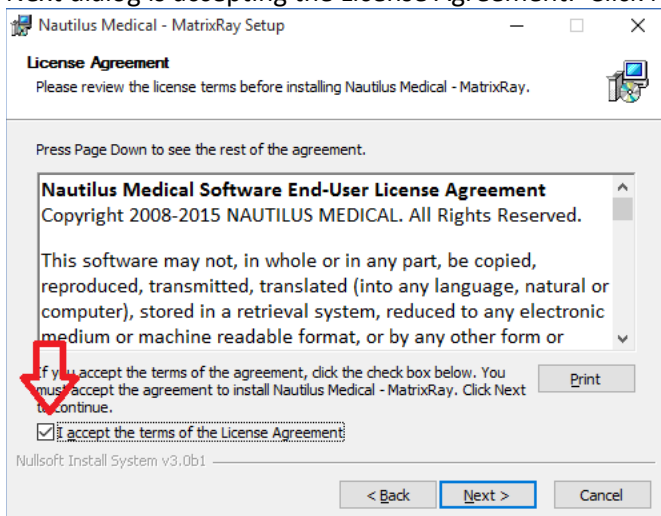
If a previous version is already installed, you may this dialog. Click Yes to continue.



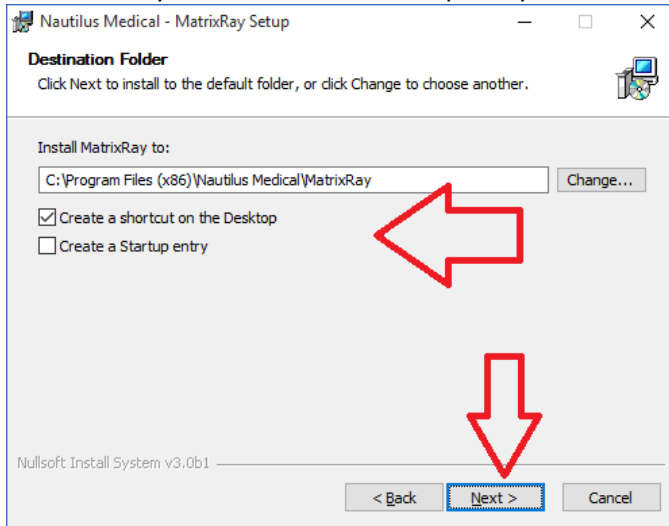
The Set Up routine will begin and display this dialog. Click Next to continue.



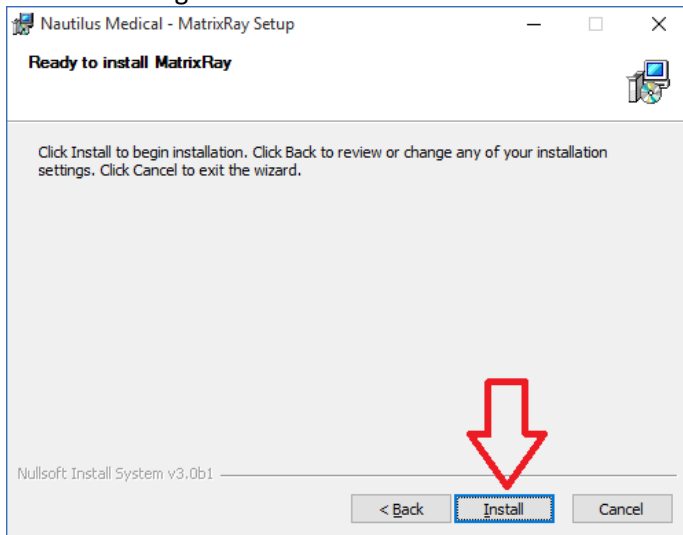
Next dialog is accepting the License Agreement. Click Next to continue.



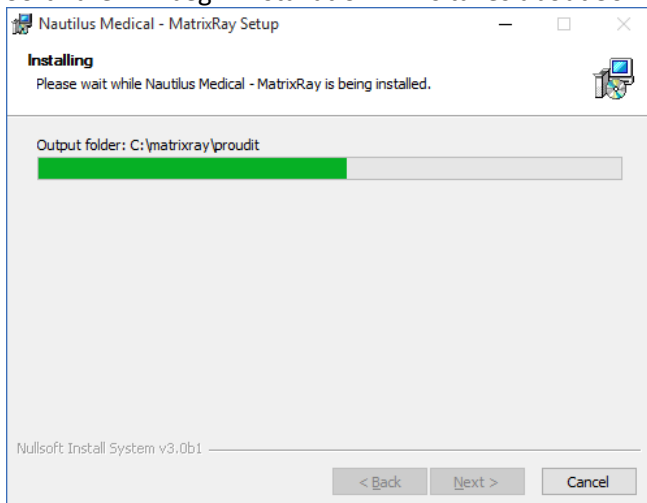
Next dialog will set default folder location of program. Make sure this folder is excluded from any anti-virus scanning or monitoring. You may choose to have a desktop shortcut and the option to have TeleRay automatically start if 'Create a Startup entry' is chosen. Click next to continue.



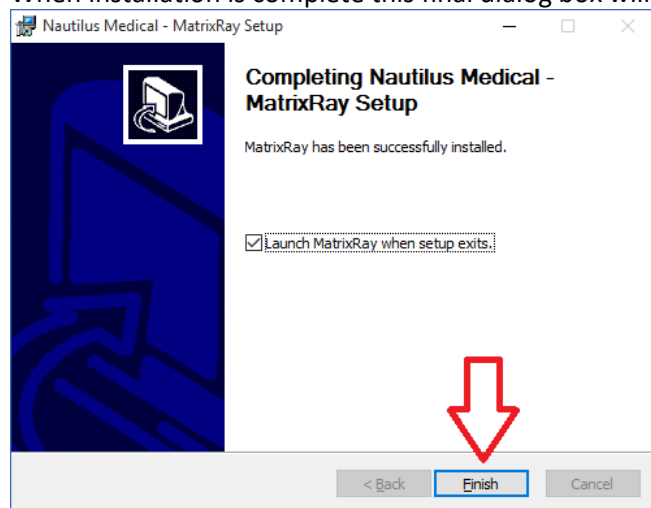
The next dialog box will be to Install software. Click Install to continue.



Software will begin installation. This takes about 30-40 seconds.

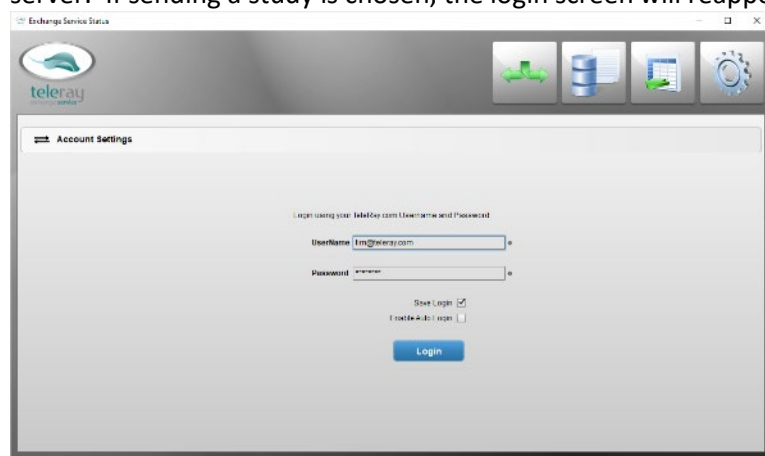


When installation is complete this final dialog box will appear. Click Finish to begin using TeleRay.

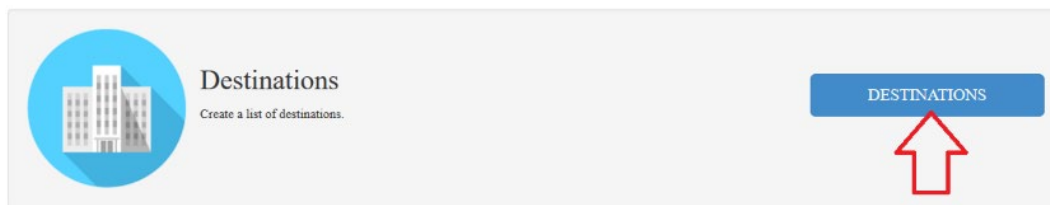


Begin Using TeleRay

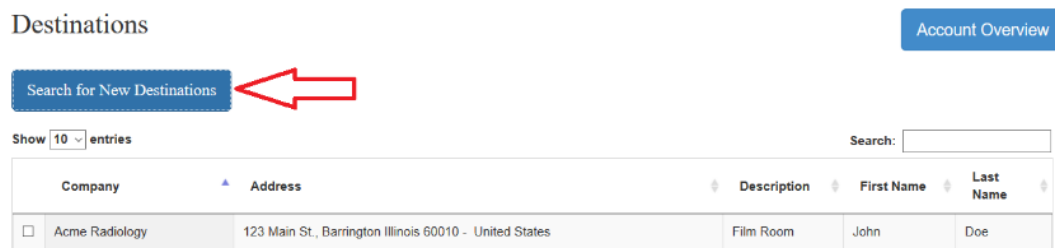
This dialog box will open each time you start TeleRay. This is your security log-in to the secure server. Type in your user name and password that you created when registering on TeleRay.com, and click Login. You may choose to click 'Continue Without Account' under the Login button to use TeleRay without connection to secure server. If sending a study is chosen, the login screen will reappear.



User looking to send a study to another hospital, doctor, trauma center, OR, specialist, or department, must first set up some favorite destinations. This is done at www.TeleRay.com under your Account Review. After logging onto TeleRay go to Destinations. Click on Destinations.



If destinations have been previously established, you will a list of chosen receivers. If not, or if this is the first time setting up destinations, click Search for New Destinations.



Fill in as many search parameters as you can to search possible registered TeleRay users to send to and click Search.

Search Destinations

Company:

Country:

State:

First Name:

Last Name:

Email:

[Search](#) [Cancel](#)

Destination not found? [Send Email Invitation](#)

Select desired destinations from list. After restarting the application, the names will appear in the send list within the application.



If desired recipient is not in the search list, or is not a registered user of TeleRay, send an invite by clicking 'Send Email Invitation'.

State

Email

Search

Cancel

Destination not found? [Send Email Invitation](#)



Send email from TeleRay with a comment. Recipient may register and download within minutes.

Email Invitations

If your destination could not be found, please use the form below to send them an invitation to create a MatrixRay account

Recipient's Email

doctor@traumacenter.org

Comments (optional)

Critical image is waiting for your review.

Send Email

Cancel

After selecting a patient in the patient tree (build list of patients from PACS query retrieve, importing discs, importing from file folder, etc.) Click the Globe icon with arrows.

Patient	Study	Series	Image	VM	Value
ROST, RICHARD W	0010,0010	VR	Tag Name	1	ROST, RICHARD W
WESTERBROOK, J	0010,0010	FR	PatientName	1	ROST, RICHARD W
GARCIA DOMINICALLY	0010,0010	LO	PatientID	1	P000347882
NEURANDERSON, J	0010,0020	LO	PatientSex	1	M
JONES, BILL	0010,0040	CS	PatientDate	1	000000000
ROEHLER, HEAVAN	0010,0030	UA	PatientSize	1	104.33
CLER, DORIAN	0010,0030	DS	PatientWeight	1	104.33
KESSLER, ADAM	0010,0030	DS	EthnicGroup	1	
VERMA, SUSHI	0010,0030	DS	PatientComments	1	
CORONARY, ZYRULOFF	0010,0030	DS	OtherPatientIDs	1 to 6	0001191202
MOUNTAIN, CLIFF	0010,0030	SH	OtherPatientIDs	1 to 6	0001191202
PRENTICE, J	0010,0030	IT	OtherPatientIDs	1 to 6	0001191202
NOBLE, JIMMY	0010,0030	FR	OtherPatientIDs	1 to 6	0001191202
CITIMONY	0010,0030	LO	OtherPatientIDs	1 to 6	0001191202
MURRAY, ROBERT	0010,0030	LO	OtherPatientIDs	1 to 6	0001191202
ZARCON, JUAN	0010,0030	LO	OtherPatientIDs	1 to 6	0001191202
SYMPOSON, MARCH	0010,0030	LO	OtherPatientIDs	1 to 6	0001191202
OFFER, GORDON	0010,0030	LO	OtherPatientIDs	1 to 6	0001191202
WATKINS, JAMES	0010,0030	LO	OtherPatientIDs	1 to 6	0001191202
BLACKWELL, JACOBETH	0010,0030	LO	OtherPatientIDs	1 to 6	0001191202
BEVERLY, SIMPLE	0010,0030	LO	OtherPatientIDs	1 to 6	0001191202

Select intended recipient and click NEXT.

SEND STUDY

MANAGE DESTINATIONS

Patient Name: ANONYMIZED

Patient ID: 654321

CHOOSE DESTINATION

COMPANY	ADDRESS	DESCRIPTION	FIRST NAME	LAST NAME	SPECIALTY
Nautilus Medical	1300 S. Grove Ave, Suite 200, IL, Barrington, 60010	Principal Architect	Rich	Rost	Architect
Nautilus Medical	1300 S. Grove Ave, Suite 200, Barrington, Illinois, 60010	Principal Architect	Marc	DiDomenico	Software
Summa Akron City Hospital	525 E. Market St, Akron, OH, 44304, United States		Kim	Kovach	
Chris WANG	19 S Bothwell, 104, Palatine, Illinois, 60067, United States	Radiologist	CHRISTOPHE	Lang	Oncology
DCH Regional Medical Center	809 Univ. Blvd. E, Tuscaloosa, AL, 35405, United States	PACS Administrator	Roy	Cooper	
Imaging On Call	300 Westgate Business Center Dr., Suite 200, Fishkill, NY, 12520		Brian	Phelan	Ladies

CANCEL

NEXT

Verify information is correct for intended recipient and click SEND. Study will be compressed, encrypted and sent through the private key system utilizing a proprietary security algorithm and arrive in full fidelity at the recipients TeleRay workstation.

SEND STUDY

MANAGE DESTINATIONS

Patient Name: DIDOMENICO-MARC
Patient ID: 03124567

CONFIRMATION

DESTINATION

Company: Acme Radiology
First Name: John
Last Name: Doe
Specialty: Radiology
Description: Film Room
Address: 123 Main St, Barrington, Illinois, 60010, United States

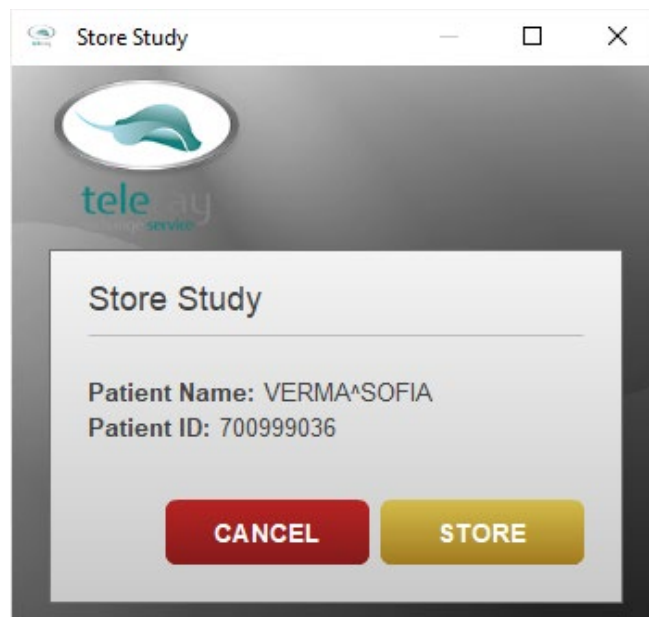
GO BACK
SEND

To store a study – click on the Store Study icon to open the Store Study dialog.

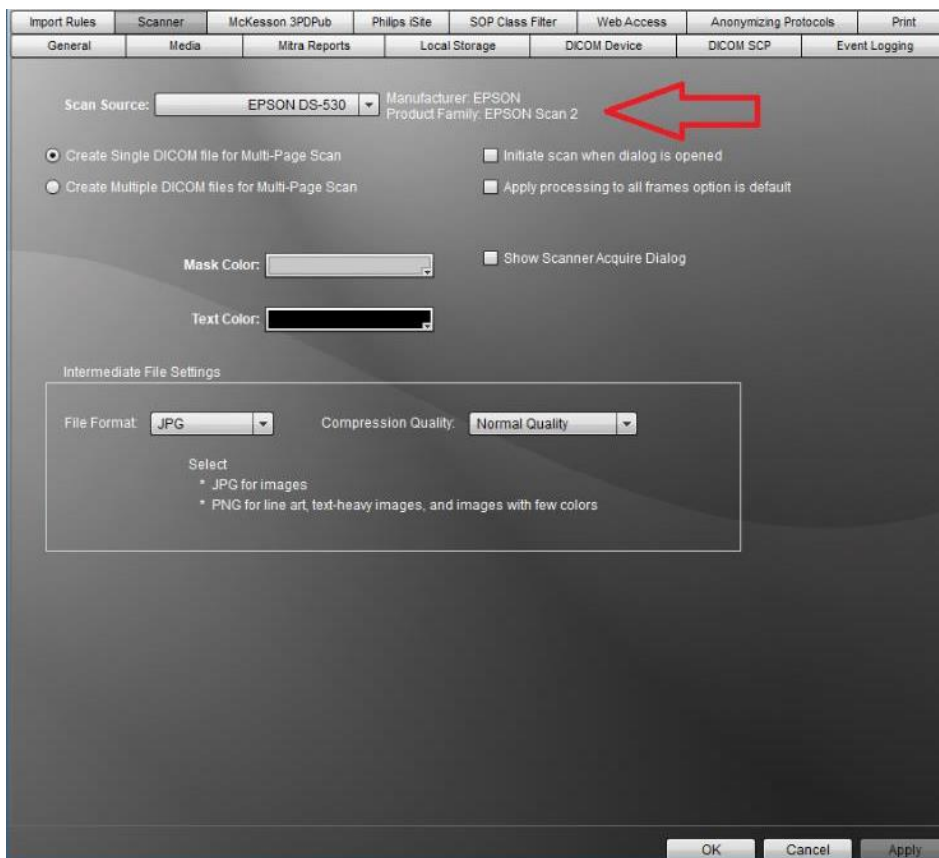
Patient	Study	Series	Image
DICOM Tag	VR	Tag Name	VM
0010.0010	PN	PatientName	1
0010.0020	LO	PatientID	1
0010.0040	CS	PatientSex	1
0010.0030	DA	PatientBirthDate	1
0010.1020	DS	PatientSize	1
0010.1030	DS	PatientWeight	1
0010.2160	SH	EthnicGroup	1
0010.4000	LT	PatientComments	1
0010.1001	PN	OtherPatientNames	1 to n
0010.1000	LO	OtherPatientIDs	1 to n
0010.1040	LO	PatientAddress	1

Storing your first study will enable your account for unlimited use of exchange, burn and storage.

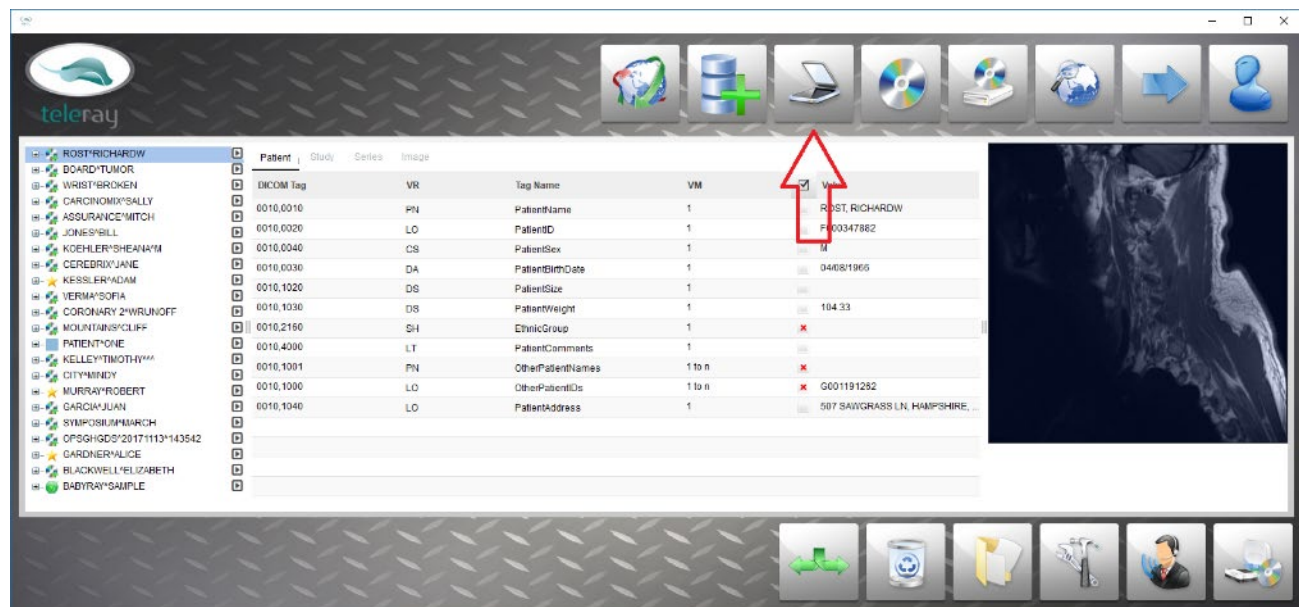
Click STORE and the study will be sent encrypted to your Google cloud object versioning storage account.



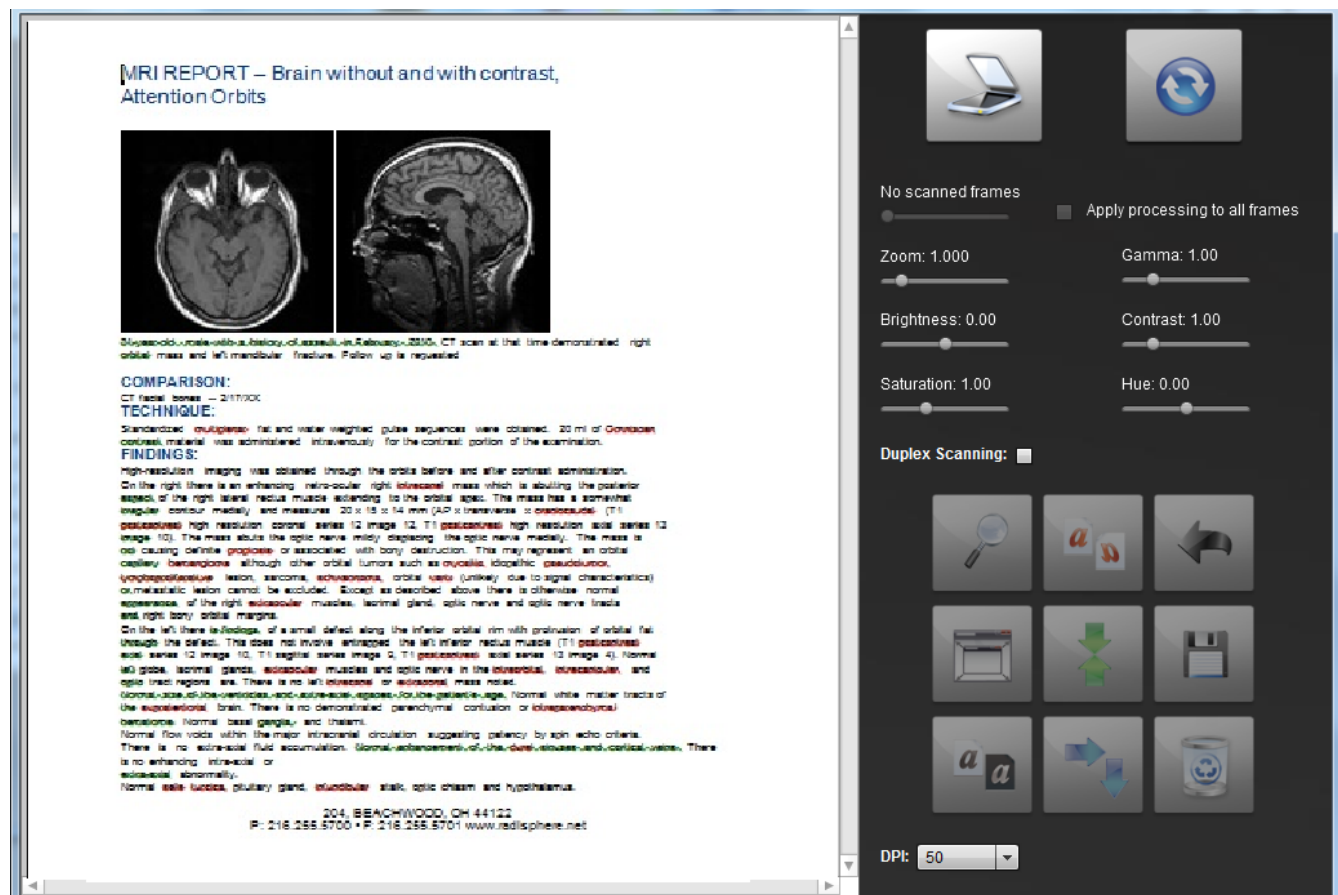
Log into your account to view studies at www.TeleRay.com from any device. You may view studies in the cloud from any device and utilize tools for review.



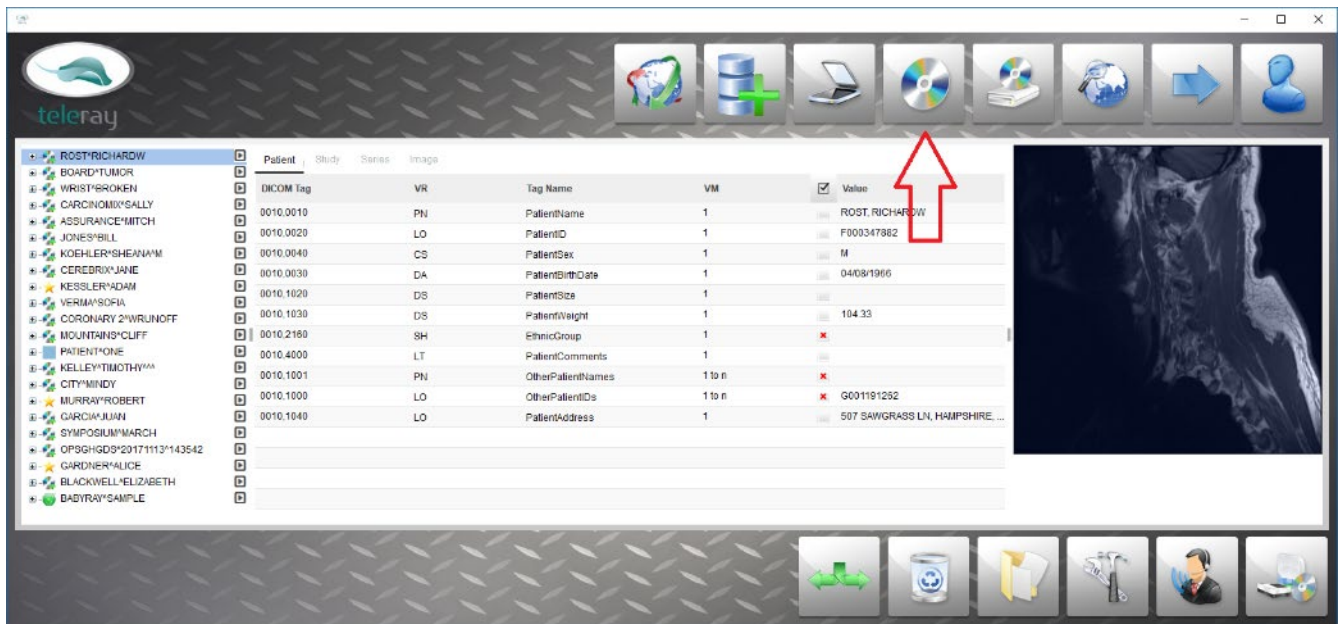
Click the Scanner icon to initiate a scan.



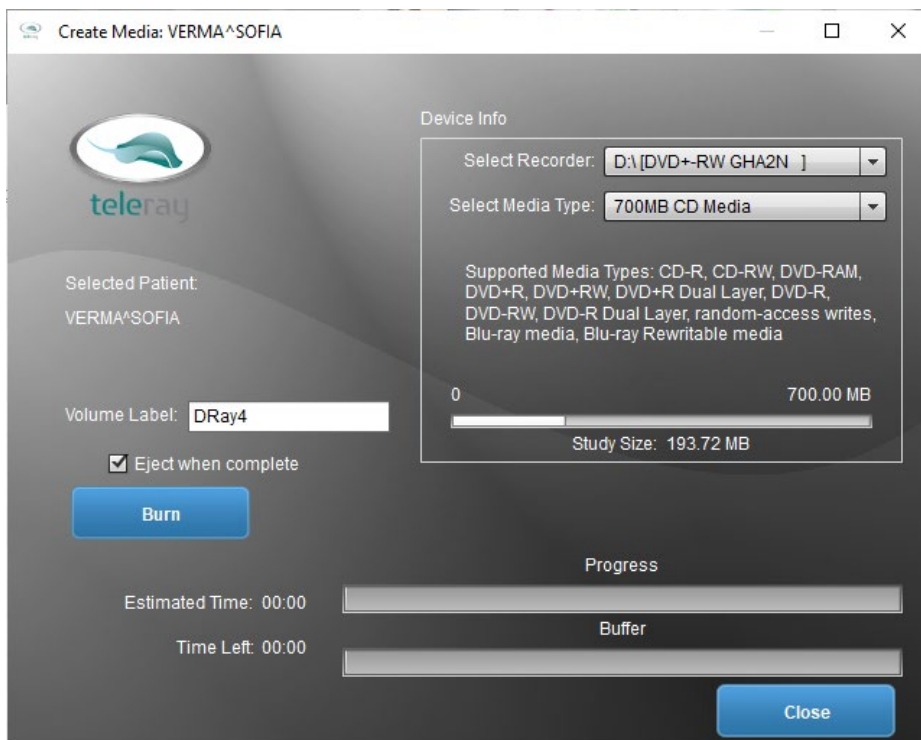
After scanning is complete, you may adjust the scan with the tools and then click the convert to DICOM icon and save to a patient folder as a DICOM image.



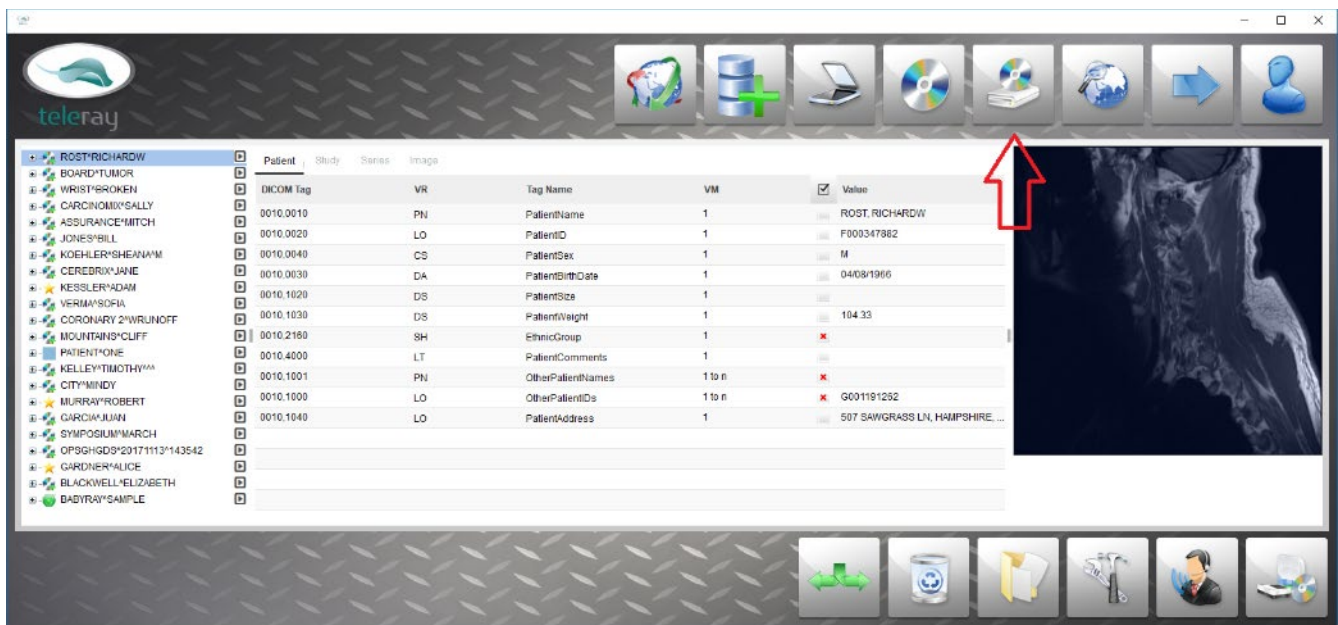
To Burn a CD or DVD- click Publish Disc icon. This will publish a disc with the dRay DICOM viewer.



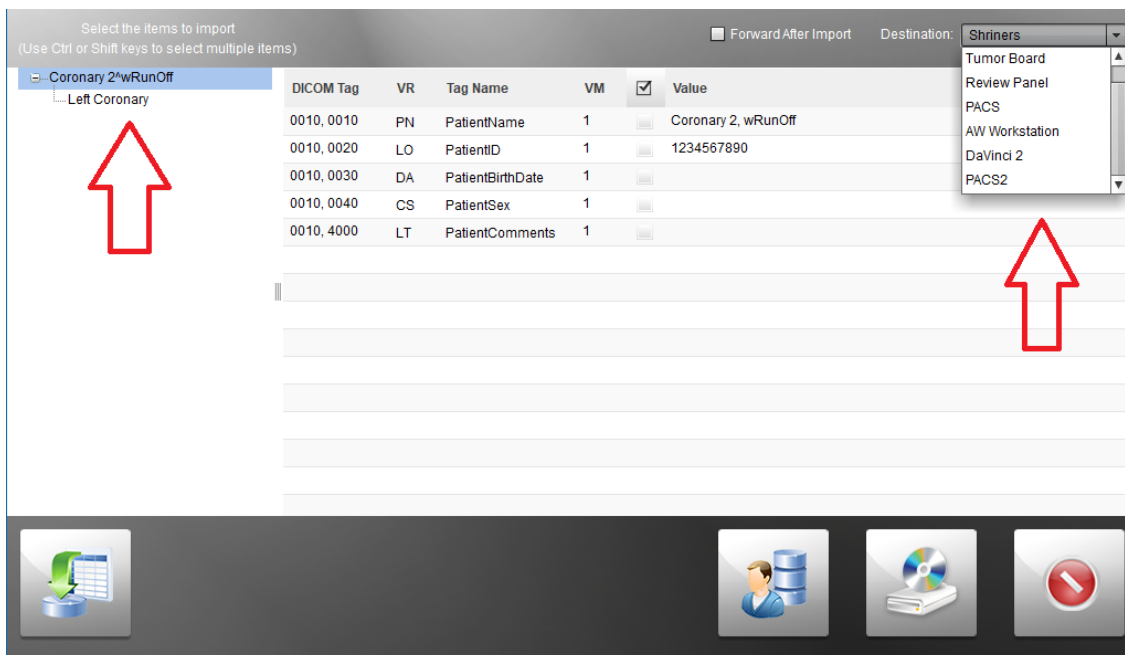
If you are not attached to an Epson disc producer, the burn protocol dialog will appear. Click Burn to begin process. Disc will auto eject when complete.



To Import a study from a disc, file folder, flash drive or any source, click the Import Icon. You may import any file format and convert to DICOM.



The Import dialog will open if the disc is a standard DICOM part 10 format. You may edit tags by clicking on them, choose destinations after import, and move into series level of import. Clicking the Demo Lookup icon will allow you to utilize Patient demographics from the PACS or utilize worklist if a worklist was added to DICOM devices.



Edit Tags such as ascension number or patient name just by clicking on them.

Select the items to import
(Use Ctrl or Shift keys to select multiple items)

☐ Forward After Import Destination: Shriners

Coronary 2*wRunOff
Left Coronary

DICOM Tag	VR	Tag Name	VM	☒	Value
0010, 0010	PN	PatientName	1	☐	Coronary 2, wRunOff
0010, 0020	LO	PatientID	1	☐	
0010, 0030	DA	PatientBirthDate	1	☐	
0010, 0040	CS	PatientSex	1	☐	
0010, 4000	LT	PatientComments	1	☐	

Last:
First:
Middle:
Prefix:
Suffix:

Select the items to import
(Use Ctrl or Shift keys to select multiple items)

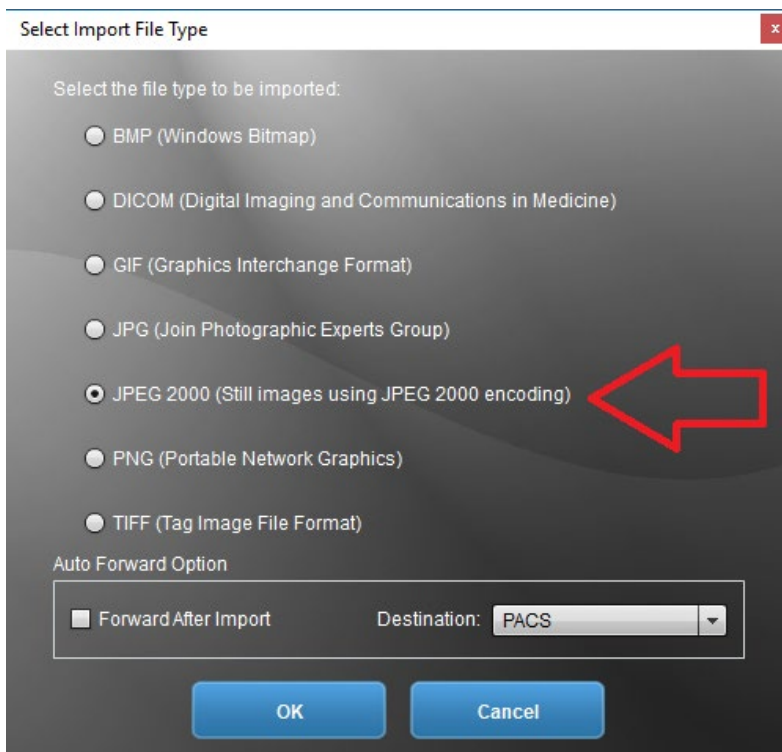
☐ Forward After Import Destination: Shriners

Coronary 2*wRunOff
Left Coronary

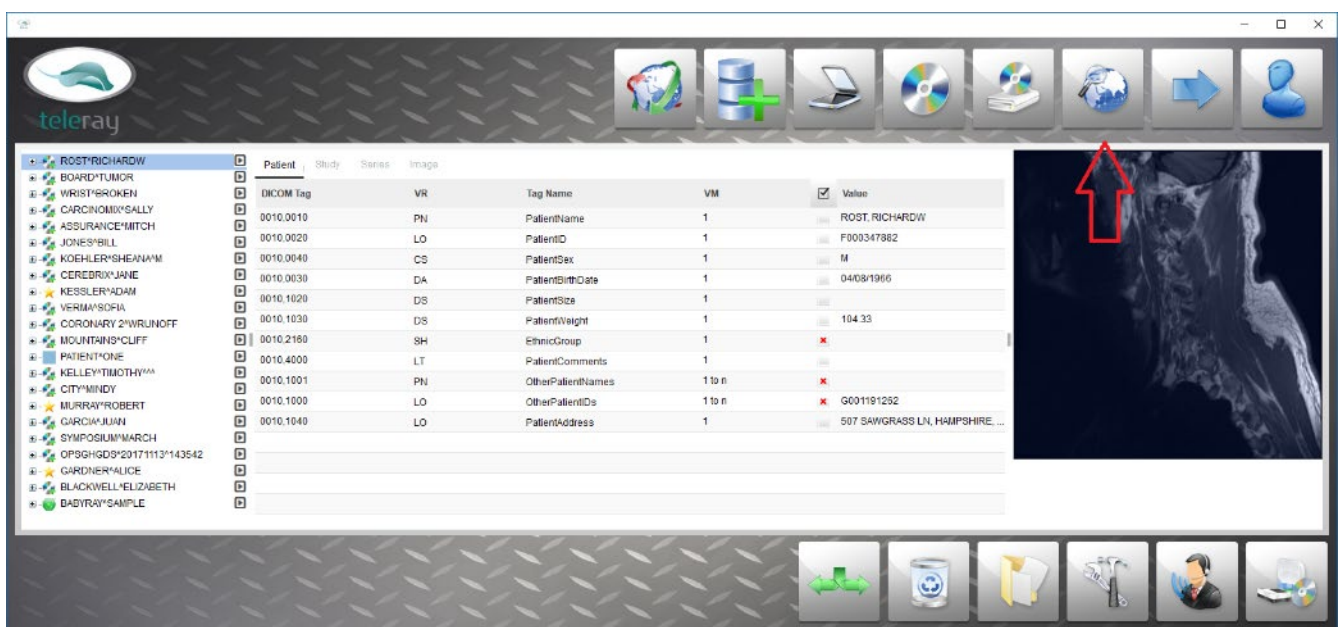
DICOM Tag	VR	Tag Name	VM	☒	Value
0010, 0010	PN	PatientName	1	☐	Coronary 2, wRunOff
0010, 0020	LO	PatientID	1	☐	1234567890
0010, 0030	DA	PatientBirthDate	1	☐	
0010, 0040	CS	PatientSex	1	☐	
0010, 4000	LT	PatientComments	1	☐	

FILE TYPE
IMPORT

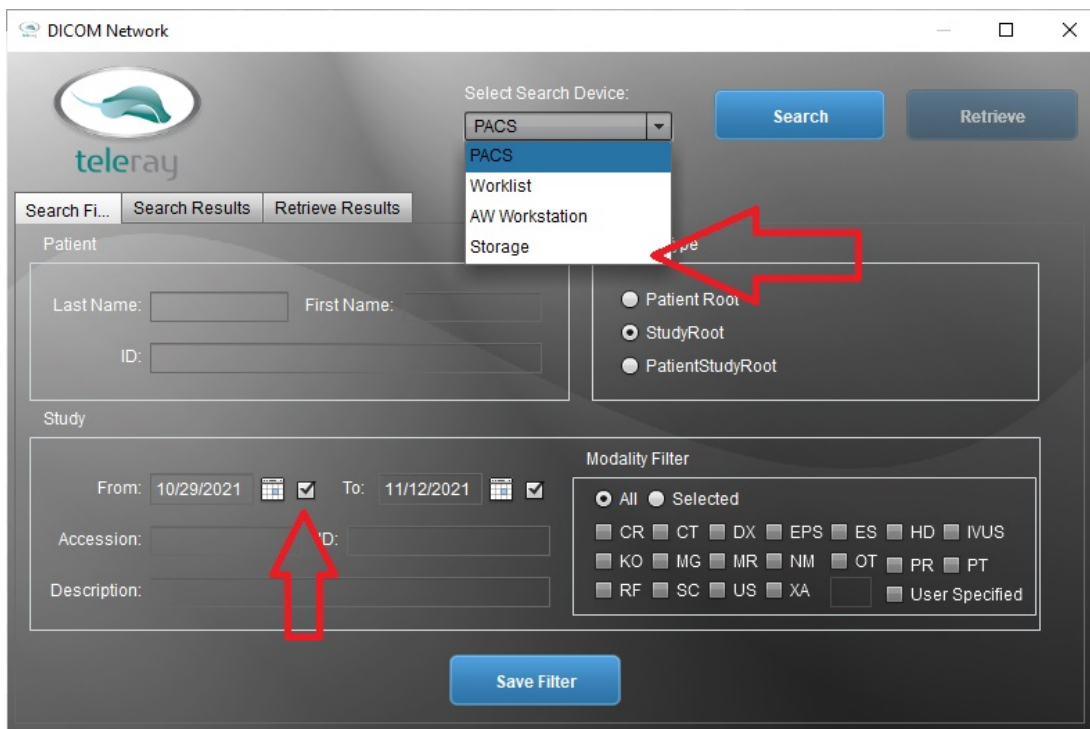
If the disc has other formats or file types, you may click Other file types icon or if there is no DICOM dir the Import File Type dialog will open. Choose file type to import and convert to DICOM. jPeg2000 is a common file type to convert.



Click Serach icon to query and retrieve studies from PACS or directly from modalities and acquisition devices.



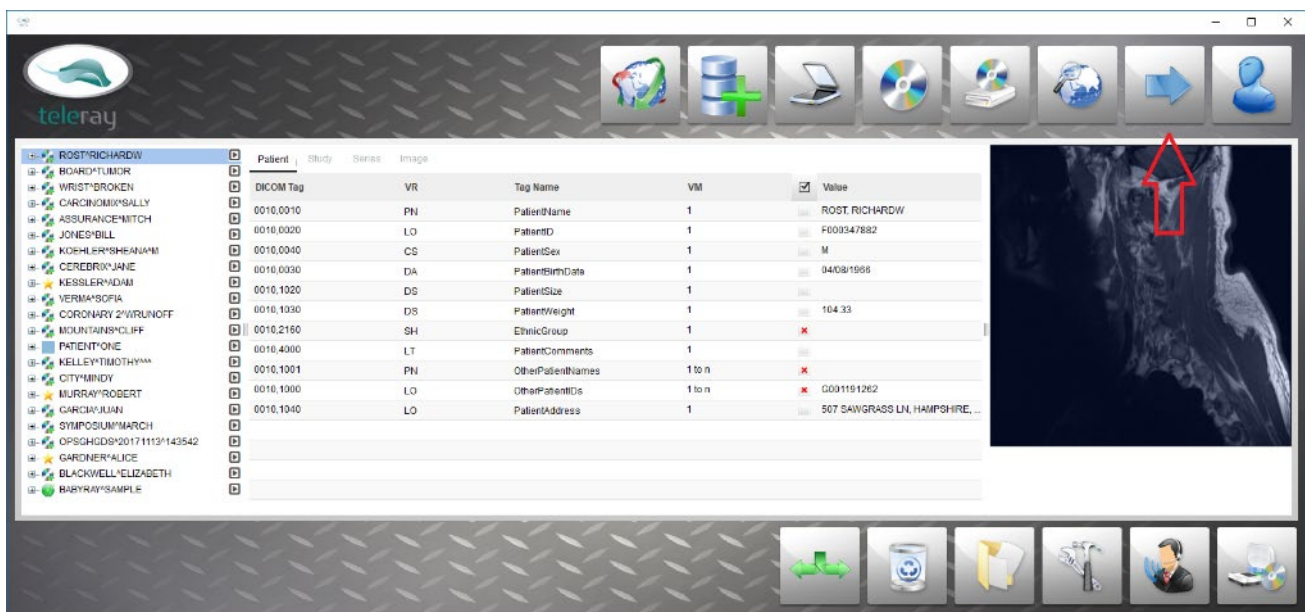
In the search protocol dialog, you may input various parameters to search. You may search 'Storage' if you use the cloud storage option. Save Filter in the bottom of the dialog is to save the parameters from the prior search – it is not required to click after each input. It is recommended to set the filter with fields blank and From Date unchecked to get more results.



The interface shows a search form with fields for Patient (Last Name, First Name, ID), Study (Accession, ID, Description), and Modality Filter. A dropdown menu for 'Select Search Device' is open, showing options: PACS, PACS, Worklist, AW Workstation, and Storage. A red arrow points to the 'Storage' option. Another red arrow points to the 'From' date field (10/29/2021). Buttons for 'Search', 'Retrieve', and 'Save Filter' are visible.

Once results are in the query, a right click function is available to create a Cart of jobs.

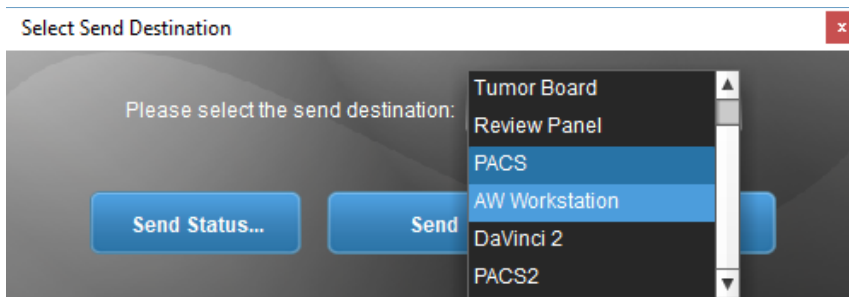
To send a study through the local network, click Send icon.



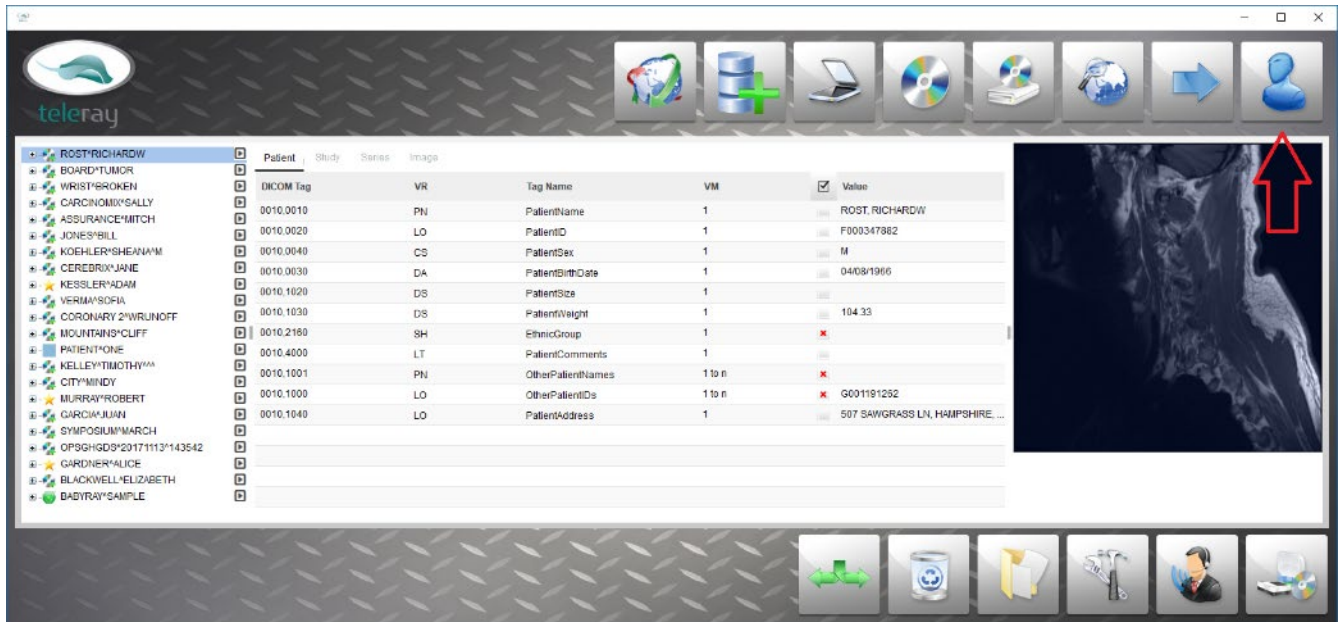
The interface displays a list of search results on the left, including patient names and study details. A table in the center shows DICOM tags and their values. On the right, a medical image is displayed with a red arrow pointing to a specific area. At the bottom, a toolbar contains icons for various actions, including a 'Send' icon (a blue arrow pointing right) which is highlighted by a red arrow.

Patient	Study	Series	Image
ROST,RICHARDW			
BOARD*FUMOR			
WRIST*BROKEN			
CARCINO*MYXALLY			
ASSURANCE*MITCH			
JONES*BILL			
KOHLER*SHANAM			
CEREDR*JANE			
KESSLER*ADAM			
VERMA*SOPIA			
CORONARY 2*WIRUNOFF			
MOUNTAIN*CLIFF			
PATIENT*ONE			
KELLEY*TIMOTHY			
CITY*MINDY			
MURRAY*ROBERT			
CARCIN*JUAN			
SYMPOSIUM*MARCH			
OPSGHDS*20171113*143542			
GARDNER*ALICE			
BLACKWELL*ELIZABETH			
BARRY*SAMPLE			

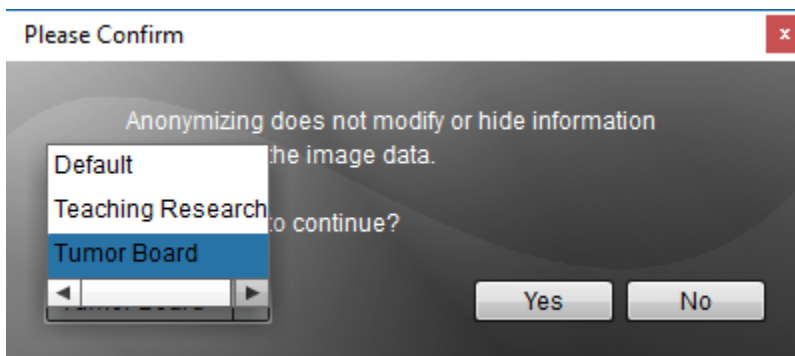
The Send dialog will appear. Choose a destination and click send. Send Status will display the progress. Destination listed are created in the DICOM devices tab under configurations.



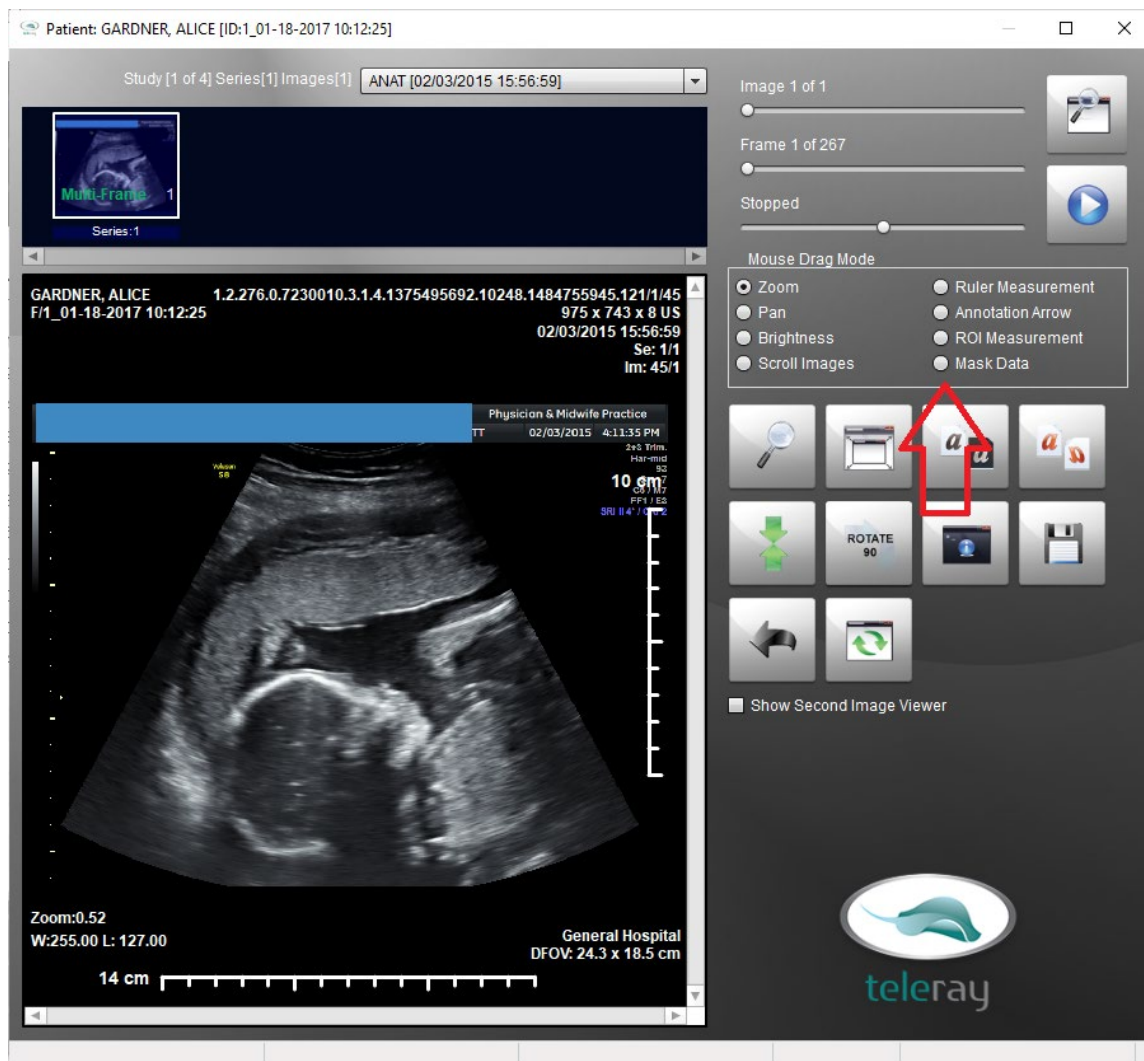
To Anonymize a study, click the Anonymization icon.



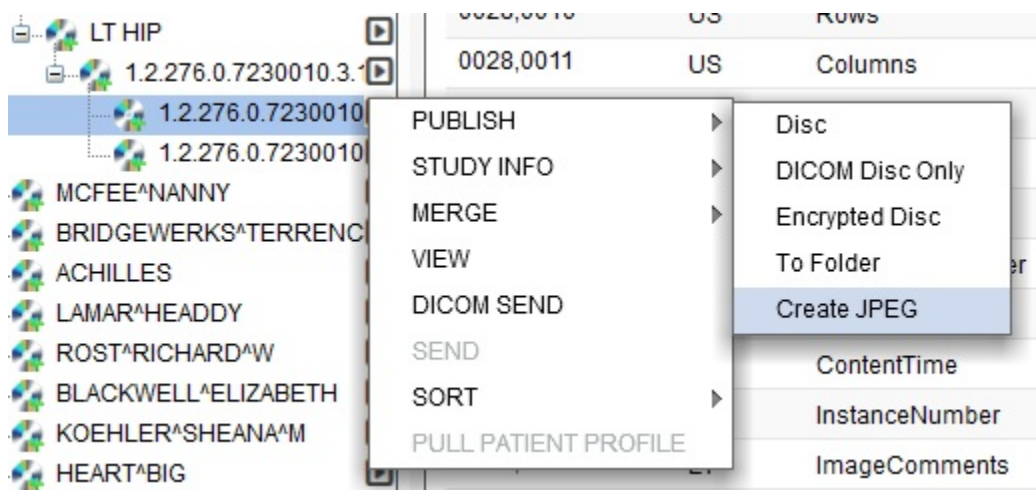
The anonymization protocol will appear. Default is the DICOM standard for anonymization. Other protocols may be built under anonymization protocols in configurations. These protocols allow a user to choose which tags are appended, amended or deleted. For embedded patient information, use the masking tool in the dRay viewer to block out data.



Masking of data is an easy to use tool in the viewer. Select Masking tool and drag a block over selected data. Once complete, click save DICOM icon- apply to all images is the default. Right clicking on color block gives choices of other colors to completely hide masking.



To create jpeg from singel DICOM Images or WMV from Multi-Frame studies, clicl through the tree to an image level. Click the flyout menu and go to Create jpeg or Create WMV. Save file to desied location.



Click the Exchange Log icon on the bottom to view log, progress and errors. There are more options to create rules for transparent service. You may set up rules to Auto Forward and/or automatically accept charges from senders.

Exchange Service Status

Timothy Kelley
Doctor
914 S Cook St; Barrington; IL; 60010; United States
tim@teleray.com
+18473231334

Logout

≡ ACTIVITY

CLEAR ACTIVITY LOG

STATUS	TYPE	PATIENT NAME/ID
Finished	Receive	TEST^ECHO / 121212121
Finished	Receive	ROSS^BOB / 3174570073
Finished	Receive	ROSS^BOB / 3174570073
Finished	Receive	ROSS^BOB / 3174570073
Finished	Send	PATIENT^ONE / 205905
Finished	Receive	Affiniti Ischemic Cardiomyopathy / ee9527fd-9e9c-4603-9973-c955f141febe
Finished	Receive	Affiniti Ischemic Cardiomyopathy / ee9527fd-9e9c-4603-9973-c955f141febe

Page Size: 10

≡ DETAIL

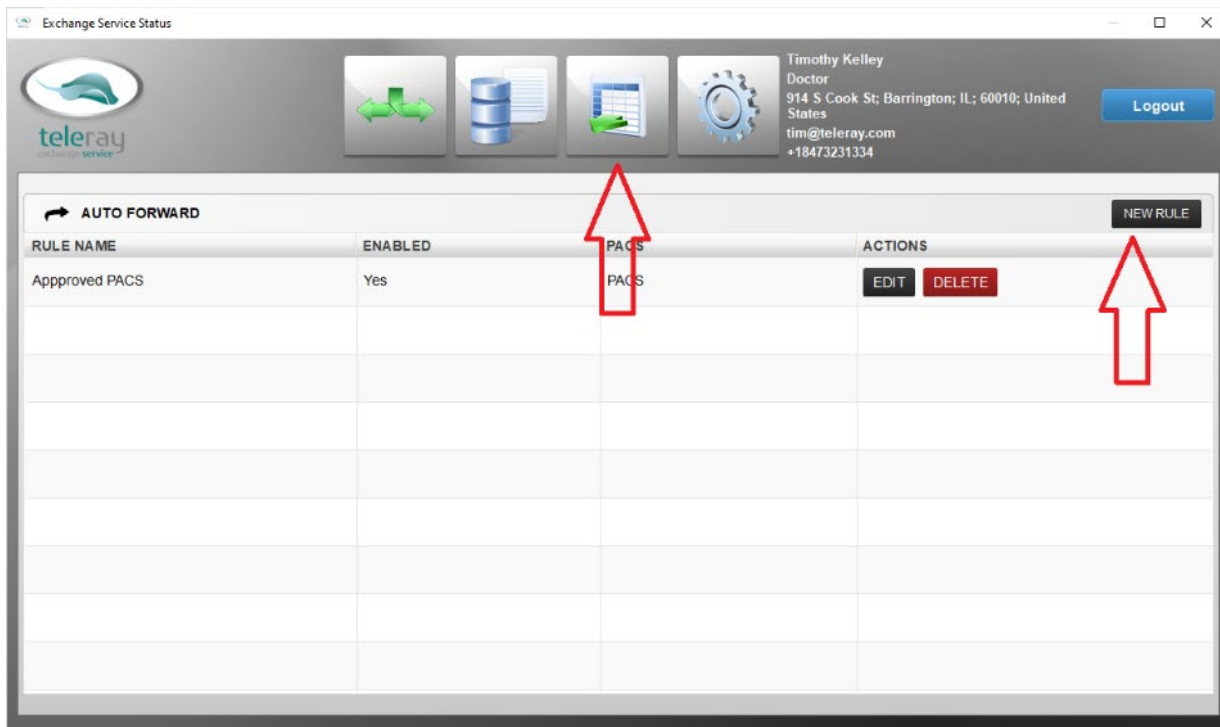
Recipient

Company: N/A
First Name: N/A
Last Name: N/A
Email: N/A
Phone Number: N/A
Address: N/A

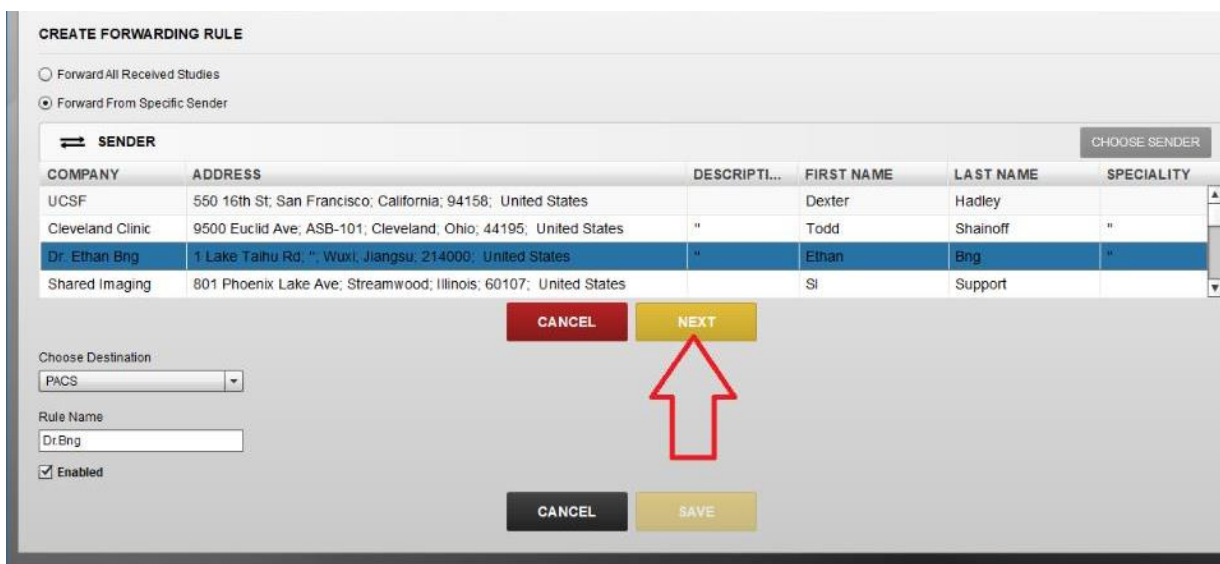
Date/Time

Start
-
Completed
-

Click the Auto Forward icon and then click New Rule.



Choose Sender on the right side of Sender to bring up your list of preferred contacts created from your destinations list. Click Next.



Verify data and choose destination to forward studies to. PACS is the default. Same process applies to auto receive charges.

CREATE FORWARDING RULE

☐ Forward All Received Studies
☒ Forward From Specific Sender

SENDER CHOOSE SENDER

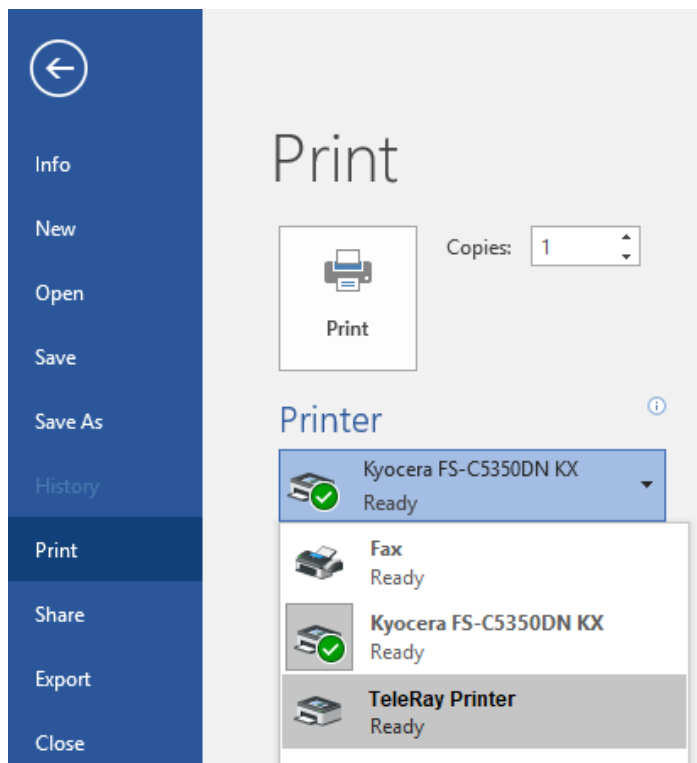
First name, last name:
 Company:
 Description:
 Address:
 Speciality:

Choose Destination:

- PACS
- Tumor Board
- Review Panel
- PACS**
- AW Workstation
- DaVinci 2
- PACS2

CANCEL **SAVE**

To Print to DICOM from any program or browser (PDFs, pictures, Word, Charts, Reports, etc.) Just go to the print dialog of the program and choose TeleRay Printer.



A patient dialog box will appear after processing the file to DICOM images. Choose the selected patient and the images will appear in the patient folder as a DICOM file.

Patient Name	Patient ID
MOUNTAINS^CLIFF	000-000
BLACKWELL^ELIZABETH	1_09-07-2016 15:12:00
ROST^RICHARDW	F000347882
CITY^MINDY	12379
KELLEY^TIMOTHY^AAA	6424
BABYRAY^SAMPLE	2010-AUG-10-07-54-02
GARCIA^JUAN	RIOCT111119

Select Patient

Your storage database will display all stored studies. Here you may click view to open DICOM viewer, download to your device, exchange with another registered user, or delete.

Storage

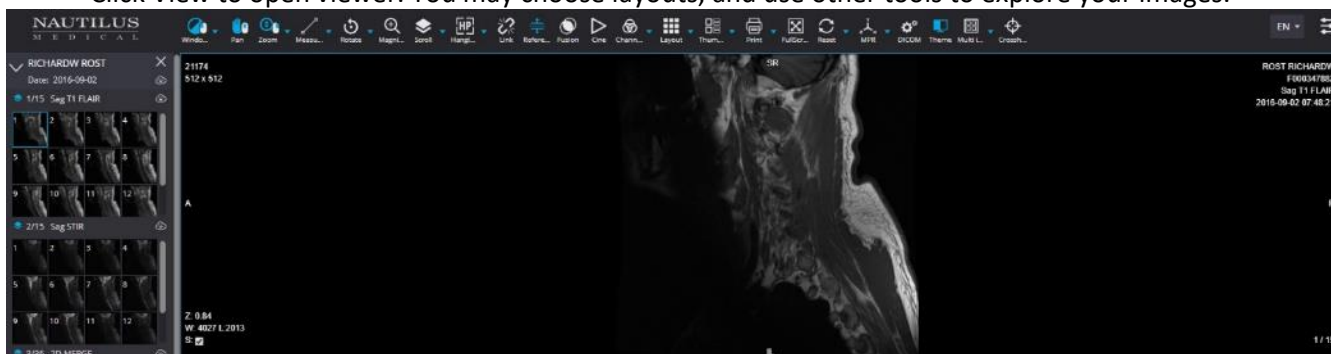
Show 10 entries

Upload Studies

Search:

Date Stored	Patient Name	Patient ID	Study Description	Study Date	Size (MB)	
9/28/2019	29 WKS	138277	ELITE	11/16/2016	28.759	View Delete Download Exchange
9/19/2019	WRIST^BROKEN	1_12-28-2016 16:09:13	HAND	11/28/2012	34.242	View Delete Download Exchange
9/19/2019	WRIST^BROKEN	1_12-28-2016 16:09:13	WRIST RT	12/4/2012	16.246	View Delete Download Exchange

Click View to open viewer. You may choose layouts, and use other tools to explore your images.



In Account Overview, you have the option of uploading other studies from discs and exchange with other registered users. You may do all of this and more by downloading the client in step 3 below.

Account Overview

Welcome Timothy Kelley



Cloud Exchange

Send and Receive Patient Studies through the Cloud.

[EXCHANGE](#)[RECEIVED STUDIES](#)

You may Click Exchange from the View Studies Screen or from the Account Page. Once in the New Cloud Exchange page, you may search for files or simply drag and drop all files from a CD/DVD or folder or flash drive. Only DICOM Images and DICOM objects will be uploaded for exchange.

ACCOUNT OVERVIEWHOW IT WORKSCONTACTLOGOUT

New Cloud Exchange

Drop DICOM files here
or
[Select files](#)

Uploaded Studies

Patient Name	Patient ID	Study Description	Study Date	Size (MB)
--------------	------------	-------------------	------------	-----------

Destinations

Show 10 entries

Company	Address	Description	First Name	Last Name
☐ Cedars-Sinai Medical Center	8700 Beverly Blvd. A028, " Los Angeles California 90048 - United States	"	Mark	Hyun
☐ Cleveland Clinic	9500 Euclid Ave. ASB-101, Cleveland Ohio 44195 - United States	"	Todd	Shainoff
☐ Cleveland Clinic Florida - West Palm Beach	525 Okeechobee Blvd, " West Palm Beach Florida 33401 - United States	"	Johnnie	Jean
☐ Indiana University	1130 W. Michigan Street, Fesler Hall, Suite 400 , Indianapolis Indiana 46202 - United States	"	Jonathan	Ting
☐ Kaiser Permanente	1800 Harrison, " Oakland California 94612 - United States	"	Micah	Brown
☐ Nautilus Medical	3000 El Camino Real, Suite 200, Palo Alto California 94306 - United States	"	Howard	Roseman
☐ Nautilus Medical	1300 S. Grove Ave, Suite 200, Barrington Illinois 60010 - United States	"	Rich	Rost

Click a destination from your chosen list and click Send. When clicking Exchange from View studies, the selected study will be exchanged. You may upload studies from this page as well by selecting Upload Studies. These will then be in the cloud storage database.

ACCOUNT OVERVIEWHOW IT WORKSCONTACTLOGOUT

Storage

Show 10 entries

[Upload Studies](#)

Search:

Date Stored	Patient Name	Patient ID	Study Description	Study Date	Size (MB)	
9/28/2019	29 WKS	138277	ELITE	11/16/2016	28.759	View Delete Download Exchange
9/19/2019	WRIST*BROKEN	1_12-28-2016 16:09:13	HAND	11/28/2012	34.242	View Delete Download Exchange



Exchange Service Status

Timothy Kelley
Doctor
914 S Cook St; Barrington; IL; 60010; United States
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[Logout](#)

Auto-Storage Settings

☒ Enable

AE Title *

Port *

☐ Anonymize Studies

Complete Timeout: seconds

[Save](#)

To read a report or create a report, click View Studies to browse for the selected patient. Once you have the patient in your list, click the 'Create' button under the report column. If a report exists, you may click the report icon to open the report page.

Storage

Upload Studies

Patient: Last Name, First Name, Patient ID

Study: Study Date, Accession, ID, Description

Modalities: CR, CT, DX, EPS, ES, IVUS, HD, KO, MG, MR, NM, OT, PR, PT, RF, SC, US, XA

User Specified, Clear Filters

Date Stored	Patient Name	Patient ID	Study Description	Study Date	Size (MB)	Accession	DOB	Modality	Reports
9/28/2019	29 WKS	138277	ELITE	11/16/2016	28.759		5/20/1996	US	Create
9/19/2019	WRIST*BROKEN	1_12-28-2016 16:09:13	HAND	11/28/2012	34.242			CR	Create
9/19/2019	WRIST*BROKEN	1_12-28-2016 16:09:13	WRIST RT	12/4/2012	16.246			MR	Create
2/11/2019	BABY*4D	W580A DEMO IMAGE 01		9/30/2013	19.173				Create
11/29/2018	AUTO_NAME*1.2.840.113711.1712.1.208728.563354850.26.2116281012.19940	NO_PID_20181114-130553_0000	US renal BI	11/9/2018	170.396	A0001206734P		US	Create
11/29/2018	SMITH*JOHN	1_03-02-2017 09:45:03		11/29/2018	19.21			OT	Create
8/2/2018	GARDNER*ALICE	1_01-18-2017 10:12:25	ANAT	2/3/2015	553.386			US	Create
5/11/2018	CITY*MINDY	12379		11/21/2014	102.933		3/14/1984	US	Create
2/13/2018	STUDY*CTA	1_2015-06-04 15:42:06	CTA A/P	9/2/2003	75.245			CT	Create
2/1/2018	SMITH*JANE	25 WEEKS		1/18/2018	4.668			US	Create

Page 1 of 15

Action with selected items: View, Delete, Download, Exchange

On the reports page, you may select Free Text or choose a Template from the drop down. Once you choose a specialty, you may choose a template.

Create Radiology Report

Patient Name: SMITH*JOHN

Patient ID: 1_03-02-2017 09:45:03

Study Description: Standard View

Study Date: 10/13/2011

Study Size: 38.631 MB

Free Text, Template

Choose Specialty: Abdominal Radiology, Breast Imaging, Cardiac Radiology, Chest Radiology, Computed Tomography, Emergency Radiology, Gastrointestinal Radiology, Genitourinary Radiology, Head and Neck, Interventional Radiology, Molecular Imaging, Musculoskeletal Radiology, Magnetic Resonance Imaging, Nuclear Medicine, Neuroradiology, OB/GYN Radiology, Oncologic Imaging, Other, Pediatric Radiology

Choose Template

Cancel, Save

© Copyright - Natus Medical Toll-Free: 866-520-6477

Fill in form with appropriate information. Field details will be saved. Click Save once complete to store report.

Create Radiology Report

Patient Name: SMITH JOHN
 Patient ID: 1_03-02-2017 09:45:03
 Study Description: Standard View
 Study Date: 10/13/2011
 Study Size: 38.631 MB

Buttons: Cancel Save

Free Text Template Computed Tomography CT Angiography Head W Contrast

RSNA Report Editor

CT ANGIOGRAM HEAD WITH CONTRAST
 HISTORY: 68
 Patient Gender: Male
 TECHNIQUE: CT angiogram images of the head were acquired with 16 mL Omnipaque 350 intravenous contrast. Multiplanar reformations were obtained.
 CTDI: 17 mGy
 DLP: 15 mGy-cm
 COMPARISON: None available
 FINDINGS: CTA HEAD: No occlusion or hemody
 No aneurysm.
 OTHER: None.
 IMPRESSION:

© Copyright - Nautilus Medical Toll-Free: 866-520-6477

Once saved, it will be added to the library of reports and the View button will be added to the database.

Storage

Upload Studies

Patient: Last Name First Name Patient ID
 Study: Study Date to Accession ID Description
 Modalities: CR CT DX EPS ES IVUS HD KO MG MR NM OT PR PT RF SC US XA
 User Specified Clear Filters

Date Stored	Patient Name	Patient ID	Study Description	Study Date	Size (MB)	Accession	DOB	Modality	Reports
9/28/2019	29 WKS	138277	ELITE	11/16/2016	28.759		5/20/1996	US	Create
9/19/2019	WRIST*BROKEN	1_12-28-2016 16:09:13	HAND	11/28/2012	34.242			CR	Create
9/19/2019	WRIST*BROKEN	1_12-28-2016 16:09:13	WRIST RT	12/4/2012	16.246			MR	Create
2/11/2019	BABY*4D	WS80A DEMO IMAGE 01		9/30/2013	19.173				View Create
11/29/2018	AUTO_NAME*1.2.840.113711.1751.2.208728.563354850.26.2116281012.19940	NO_PID_20181114-130553_0000	US renal BI	11/9/2018	170.396	A0001206734P		US	Create
11/29/2018	SMITH JOHN	1_03-02-2017 09:45:03		11/29/2018	19.21			OT	Create
8/2/2018	GARDNER VALICE	1_01-18-2017 10:12:25	ANAT	2/3/2015	553.386			US	Create
5/11/2018	CITY MINDY	12379		11/21/2014	102.933		3/14/1984	US	Create
2/13/2018	STUDY*CTA	1_2015-06-04 15:42:06	CTA A/P	9/2/2003	75.245			CT	Create
2/11/2018	SMITH JANE	25 WEEKS		1/18/2018	4.668			US	Create

Showing 1 to 10 of 15 entries

Previous 1 2 Next

The library will keep SR, Free Text and Template reports in accordance of creation date. Editing is possible with template and free text.

matrixray
exchange service

ACCOUNT OVERVIEW HOW IT WORKS CONTACT LOGOUT

Radiology Reports

Web

2020-05-20, 15:13:35

SR

HL7

Patient Name: BABY-4D

EDIT PRINT CLOSE

Report Content

Procedure Information

The head of the infant was scanned with a narrow footprint, high-frequency transducer via a variety of access points.

Technique

Clinical Information

Gestational age:

Indication:

Comparison

None

Findings

The ventricles are normal in size and symmetric in appearance. There is no evidence of extra-axial, intraventricular,

Ventricles:

Additional Findings: None

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Before sending a study to PACS or another workstation, you can reconcile the data by following the steps below. First click the DICOM SEND icon in the upper right to open this dialog window:

Select Send Destination

Please select the send destination: PACS

Reconciliation

☐ Prompt reconciliation ☐ Reconcile Study ☐ Reconcile Series

Send Status... Send Cancel

Here you may choose the destination (set up under configuration for DICOM Devices) Default is to reconcile the patient, but you may choose to reconcile the Study or Series level. You may choose Prompt Reconciliation to reconcile any type of data transfer such as store, burn, import or exchange. Click Reconciliation:

With this dialog box you may manually fill in details or edit them. To match up patient demographics from another source click Patient Lookup.

Patient

Last: BROKEN ID: 1_12-28-2016 16:09:13

First: BROKEN Sex: Male

Middle:

Prefix: Birthday: 07/21/2020

Suffix: Comment:

Study

Description:

Date: 07/21/2020 Time: 11:27:52

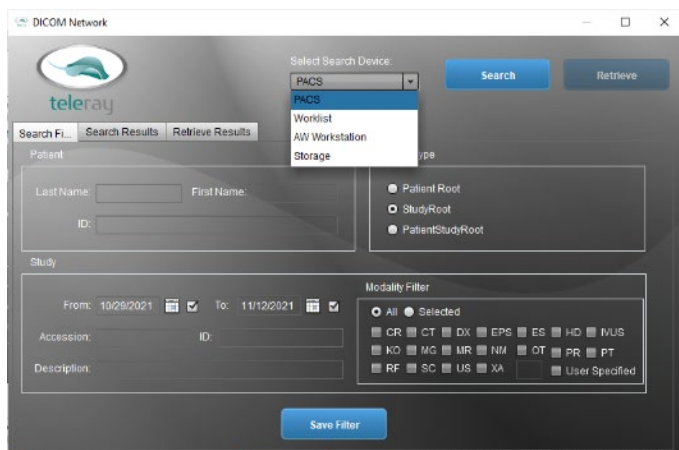
Accession:

ID: Referring Physician:

Series

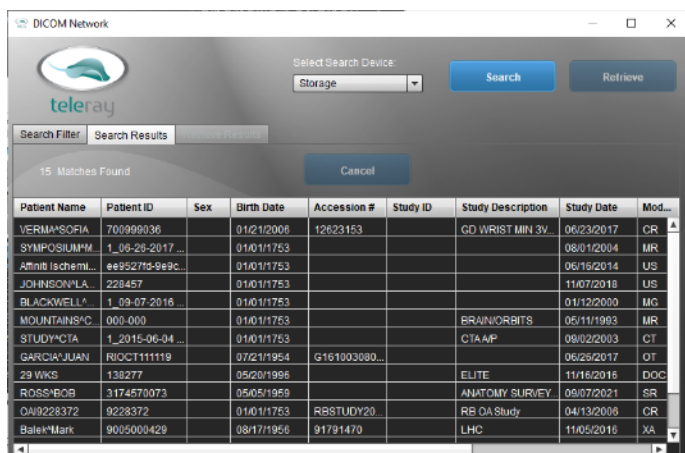
Manufacturer: Modality:

OK Cancel



The dialog box is titled "DICOM Network" and features the Teleray logo. It includes a "Select Search Device" dropdown menu with options: PACS, PACS, Worklist, AW Workstation, and Storage. Below this are fields for "Last Name", "First Name", and "ID". A "Modality Filter" section contains radio buttons for "Patient Root", "StudyRoot", and "PatientStudyRoot", along with a grid of checkboxes for various modalities (CR, CT, DX, EPS, ES, HD, IVUS, KO, MG, MR, NM, OT, PR, PT, RF, SC, US, XA) and a "User Specified" option. A "Save Filter" button is at the bottom.

With this dialog box, you may look up patients from PACS, worklist or other sources to match data. Using standard search parameters including name, data ranges, modality type, accession number and description, you can find patient data to reconcile.

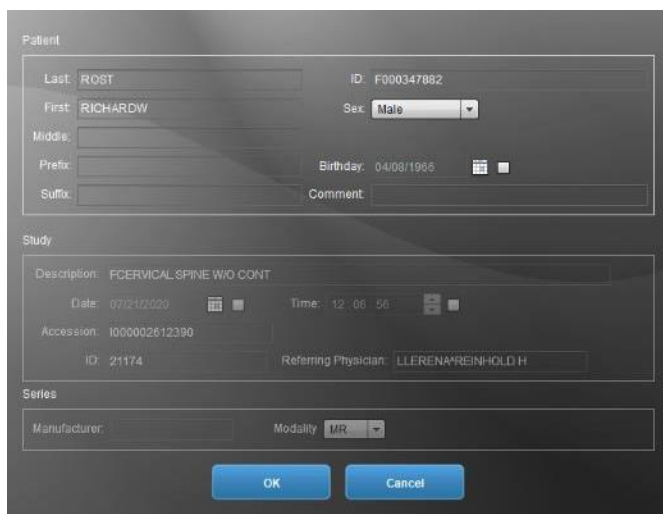


The dialog box shows "15 Matches Found" and a "Cancel" button. Below is a table of search results:

Patient Name	Patient ID	Sex	Birth Date	Accession #	Study ID	Study Description	Study Date	Mod...
VERMASOFIA	700999036		01/21/2006	12623153		GD WRIST MIN 3V	06/23/2017	CR
SYMPOSIUM	1_06-26-2017		01/01/1753				08/01/2004	MR
Amitt Ischemi...	4495275-949c		01/01/1753				06/16/2014	US
JOHNSON*LA	228457		01/01/1753				11/07/2018	US
BLACKWELL*	1_09-07-2016		01/01/1753				01/12/2000	MG
MOUNTAINS*G	000-000		01/01/1753			BRAINORBITS	05/11/1993	MR
STUDY*CTA	1_2015-06-04		01/01/1753			CTA*P	09/02/2003	CT
GARCIA*JUAN	RIOCT111119		07/21/1954	G161003080			06/25/2017	OT
29 WKS	138277		05/20/1996			ELITE	11/16/2016	DOC
ROSS*BOB	3174570073		05/05/1969			ANATOMY SURVEY	09/07/2021	SR
DAI9228372	9228372		01/01/1763	RBSTUDY20		RB OAS Study	04/13/2006	CR
Bale*Mark	9005000429		08/17/1966	91791470		LHC	11/05/2016	XA

Search results will appear. Select and highlight patient for data source and click Select Study.

You will see the patient demographic page once more time to make any manual edits and check data fields. Once satisfied just click Ok and the DICOM header will be changed for reconciliation to match.



The dialog box is titled "Patient" and contains fields for "Last" (ROST), "First" (RICHARDW), "Middle", "Prefix", "Suffix", "ID" (F000347882), "Sex" (Male), "Birthday" (04/08/1965), and "Comment". Below this is a "Study" section with "Description" (FCERVICAL SPINE W/O CONT), "Date" (07/21/2020), "Time" (12:06:56), "Accession" (1000002612390), "ID" (21174), and "Referring Physician" (LLERENA*REINHOLD H). At the bottom is a "Series" section with "Manufacturer" and "Modality" (MR). "OK" and "Cancel" buttons are at the bottom.

Please contact TeleRay support with further questions at 844.4.TELERAY or info@teleray.com