

ilter Search Today Yesterday Clear Filter Options	- 2 Studies Four Patient ID: From: 6/15/2007 -	Last Name: To: 6/15/2007 Study Desc.:	First I	Name: rring MD:	Mo ययय य व	dality All CR IV ES CT IV MG DX IV MR utomatically	NM    RF	Hanging F Enal Number 2	g Protocols — ble of priors:
Study List View Delete Send Queue Burn to Media	Local Exams     Patient ID	Exams	e Exams   1 Name Jane Do John Sn Remo	e Dico	MDIR 2 Accessio DICOM ams	Image Cha Modality CR MR MDIR Image	nnel   Description Pelvis M1081,M2081,M2281 e Channel	Date 2006-06-22 2006-05-24	Time 14:34:0 12:20:4

# The Study Manager can search for four different types of exams:

- Local Exams: studies stored on your workstation's hard drive.
- Remote Exams: studies stored on another server. To view a remote exam, you must retrieve it to your workstation using DICOM Query, so that it becomes a local exam.
- **DICOMDIR:** studies stored in DICOMDIR format on a CD, your workstation's hard drive, or a mapped network drive.
- Image Channel: studies stored on Image Channel servers. These remote exams can be viewed dynamically online using progressive wavelet compression, which means that they are not downloaded to your workstation.

# **STUDY MANAGER**

How to use the study manager

### To access the Study Manager

• On the File menu, click Search, or click **?** on the toolbar.

**Note:** You can customize the Study Manager to suit your preferences by resorting the columns and repositioning the fields in your Exams list.

### To search for an exam:

**Note:** Before searching for remote exams, you must select a remote device by clicking **Server** and then selecting a server from the list that appears. To search for a DICOMDIR exam, you must first specify the location of the DICOMDIR file by clicking **Path** and browsing to it.

**1** Filter the search by entering search criteria; either a single entry or a combination of the following: Patient ID, Last Name, First Name, Accession #, Study Description, and/or Referring M.D.

2 Enter a range of dates in which to search. Select the **From:** and **To:** check boxes to activate them, then enter the date parameters either by hand or by using the calendar window. If the study was performed today, click **Today**; the date appears in the date boxes. If the study was performed yesterday, click **Yesterday**; the date appears in the date boxes.

3 You can filter the search by modality type. Select the **All** check box to include all modality types in the search, or clear it to filter by specific modality types, which can be selected by clicking each modality type's corresponding check box.

**Note:** Click the Options button to specify search defaults for modality and date range.

**4** Click **Search**. A study list appears in the bottom pane of the Study Manager window. To view every study in the Local Exam list, clear all of the filters and click **Search**.



• Sales • Service • Installation & Training • Technical Support



# eFilm<sup>™</sup> / Quick Reference Guide

Note: The small "R" or "L" located on the top of the tool icon indicates that a right or left mouse click or scroll is needed to activate the tool.

### **Common Tools**



**Brightness / Contrast Level** 

Adjusts the brightness and/or contrast of images. Move mouse up to increase brightness. Move mouse down to darken. Press F2 to return to original brightness/contrast settings.

#### Zoom

Increase or decrease the image's field of view. Right click mouse and move up to zoom in and down to zoom out.



Panning

Repositions the image in the window. Left click mouse to move the image once it is zoomed.



**Reset Magnification and Orientation** Repositions the image in the window. Left click mouse to move the image once it is zoomed.



Magnify

Left click on the image to magnify a square area of interest. Move cursor to change the area of interest.



Screen Layout Re-displays series and images in various layouts.



**Toggle Survey / Explode Mode** "Explodes" image to fill the screen and returns to the former layout.



Thumbnails Displays or hides the thumbnail panel.



### **Toggle Overlay**

Hides or displays the overlay study information.

# **Next / Previous Tools**



St Arrows Selects the "previous" or "next" study from the local exam list





enQuíd





To scroll, depress and hold the right or left side of the mouse. Scroll by moving the mouse to achieve the desired affect on the image.

## **Image Manipulation Tools**



**Counter Clockwise Rotation** Rotates the image 90 degrees counter clockwise.



**Clockwise Rotation** Rotates the image 90 degrees clockwise.



Flip Image Horizontal Flips the image left to right.



Flip Image Vertical Flips the image top to bottom.



R

Invert Inverts the image from black to white.

### **Measurement Tools**

#### **Linear Measurement**

Position cursor at starting location, click and right scroll to the ending location.

To stretch line: left scroll either end of the line to a new location.

To move line: left click anywhere on the line (except at the ends) and drag it to a new location.



11111

#### Angle

Left click this tool to measure an angle between two intersecting lines. To draw intersecting lines, use the Linear Measurement Tool.



8.0cm

#### **Clear Measurement**

Clears ALL arrows, measurements, and angles on the current image. To clear a single measurement: select measurement to be cleared, right click and select delete.

### Calibration

Image may be calibrated for magnification.





# eFilm<sup>™</sup> / Burning to Media

Note: Other applications are not available during the burn process.





Pa	atient ID	Name	Accession	Modality	Description	Date	Time	Study ID	Sex	Birthdate
*∎	REALLY	LORI MCCARD	0000-00		LAMENESS	2014-12-04	12:37:03			
=	Sienna	Waligorski Vicki		DX		2014-12-17	22:03:51			2010-01-01
	*+ + =	<ul> <li>Patient ID</li> <li>★● REALLY</li> <li>● AMBIDEX</li> <li>■ Sienna</li> </ul>	<ul> <li>Paterk IU – Iveme</li> <li>NeaLLY LORI MCCARD</li> <li>AMBIDEX ROGER MCDANIEI</li> <li>Sienna Waligorski Vicki</li> </ul>	REALTY LOFI MCCARD 0000-00     AMBIDEX ROGER MCDANIEI 1318-14     Senna Walgoraki Vicki	Additional Constraints (I) = 100000000000000000000000000000000000	relet IU tell MCCAED CO05800 I Modey Uescrition + C REALLY LOHI MCCAED 000400 CR LAMENSS ■ AMBIDEX ROGER MCDANIEI 1318-14 CR PRE OP ■ Senna Walgoeld Vold DX	Falert IV Preder Processon Models' Lectonion Uses     FeLLY LORI MICARD 00000 CR LAVENESS 2014-1246     AMBIDEX ROGER MCDANEI 1318-14 CR PRE-OF 2014-1246     Senns Walgonik Vids DX 2014-1217	Telescription Determine Processor Indexes Decompon Date Internation Hori REALLY LORI MICAR-ID 000000 CR LAMENESS 2014-1244 123703 AMBIDEX ROGER MCDANIE 1318-14 CR PRE-OP 2014-1240 071807 ■ Sennes Walgoniki Vids DX 2014-12-17 22:03:51	Telefit U Fuene Focesson Median Electronic Median Use Time Study U     Media S	Telefit U Protection Podels' Decorption Use Time Study U Sex.     TeDLIV LORI MCCAFL 000000 CR LAMENESS 2014-1244 1237/03 1     AMBIDEX ROGER MCDANIE 1318-14 CR PRE-OP 2014-1246 0718/07 1     Series Walgonik Vids DX 2014-12-17 22:03:51 1 F

# How to export multiple studies **not** in a sequence

Delete	P	atient ID	Name	Accession	Modality	Description	Date	Time	Study ID	Sex	Birthdate
Send	*=	REALLY	LORI MCCARD	0000-00	CR	LAMENESS	2014-12-04	12:37:03			
-		AMBIDEX	ROGER MCDANIEI	1318-14	CR	PREOP	2014-12-05	07:18:07	1		
Queue		Sienna	Waligorski Vicki		DX		2014-12-17	22.03.51		F	2010-01-01
lurn to Media											
F-02											

- **1** Hold <shift> key
- **2** Click on first and last study
- **3** Continue to steps 2 6 above



### Hold <control> key

- 2 Select studies to copy
- **S** Continue to steps 2 6 above
- Sales Service Installation & Training • Technical Support



# eFilm<sup>™</sup> / Burning to Media

Note: Other applications are not available during the burn process.

Study Manager - 3 Studies Found on LOCAL EXAMS       Imaging Protocols         Filter       Fist Name:       Fist Name:         Today:       From:       To         Yesterday:       From:       To         Clear Filter       1/26/2015       Any         Options       Study Desc::       Retering MD:         Vexterically popup the thumbnail penel       Imaging Protocols       Imaging Protocols	<b>STEP-BY-STEP 2:</b> How to export images from a study to media
Study List       ■         Delete       ■         Send       ■         Gueise       ■         Bun to Media       Eserna         Edit       Edit         Edit       ■         Edit       ■         Bun to Media       Eserna         Edit       ■         Edit       ■         Edit       ■         Edit       ■         Series Number       Series Description         Series Number       Series Date         Series Number       Series Date </th <th><ul> <li>Select an exam from the Study Manager List</li> <li>Select 'View'</li> </ul></th>	<ul> <li>Select an exam from the Study Manager List</li> <li>Select 'View'</li> </ul>
Image: Second	<ul> <li>Select images to copy by clicking check box located in the lower right corner of each image</li> <li>Select Utility &gt; Burn to Media</li> <li>Continue to steps 2 - 6 in STEP-BY-STEP-1</li> </ul>

CenQuip®

• Sales • Service • Installation & Training • Technical Support



# eFilm™ / JPEG Image Export

Note: Other applications are not available during the export process.



# **5** Choose destination, name the file then select 'Save'



# **6** Select 'Yes' when prompted to automatically name images





• Sales • Service • Installation & Training • Technical Support



#### le Edit Utility ToolBars Profile Help R 🗑 👝 🔊

er Search	Patient ID: Last N	lame:	First Name:	Modality			langing Protocols —					
Today	cart			IIA ⊡			lumber of printer					
Yesterdau	From: T	х										
Clear Eiller	3/07/2015 - 3/0	7/2015 👻				E BT E XA	× <u>-</u>					
Clear Filter	Accession# Study	Desc.:	Referring MD:	I DO I M		30						
Vinu	😑 Local Exams 🤿	Remote Exar	ms 🗑 DICOMDI	IR 🛛 🔗 Image C	hannel							
Delete	Patient ID		Name	Assession	Madalby	Description	Date	Time	Oude ID	Carr	Distribute	T
Delete	Patient ID  ROCKCARTLE1		Name Cartledge Desp	Accession	Modality CR	Description HipScore	Date 2014-03-21	Time 12:15:05	Study ID	Sex F	Birthdate 2010-04-23	
Delete Send	Patient ID   ROCKCARTLE1  SOPHCARTLE		Name Cartledge Desp Cartledge Desp	Accession reau reau	Modality CR CR	Description Hip Score Hip & Elbow	Date 2014-03-21 2014-03-21	Time 12:15:05 12:26:02	Study ID	Sex F F	Birthdate 2010-04-23 2012-05-12	
Delete Send Queue	Patient ID		Name Cartledge Desp Cartledge Desp	Accession reau reau	Modality CR CR	Description Hip Score Hip & Elbow	Date 2014-03-21 2014-03-21	Time 12:15:05 12:26:02	Study ID	Sex F F	Birthdate 2010-04-23 2012-05-12	
Delete Send Queue urn to Media	Patient ID  ROCKCARTLE1  SOPHCARTLE		Name Cartledge Desp Cartledge Desp	Accession weau weau	Modality CR CR	Description HipScore Hip & Elbow	Date 2014-03-21 2014-03-21	Time 12:15:05 12:26:02	Study ID	Sex F F	Birthdate 2010-04-23 2012-05-12	

# PRE vs POST SURGERY **COMPARISON VIEW**

### **1** Search for the patient

2 Double click into the pre-surgery study

		1.00	1.4
ete	Patient ID	Name	Acces
nd	* ■ ROCKCARTLE1	Cartledge Des	spreau
ue		Cartledge Des	spreau

- **3** Change the view to the desired number of images on the screen. (e.g 2 or 4) **4** Select the search option **a** which is top left of the menu under file. **S** Select the post surgery series of images and double left click with the mouse to open this series of images.
  - **6** You will then see a prompt to close current window. Select No, as we want the pre surgery images to remain.
  - When asked to add these images to the current window as we wish to compare the pre and post



No

Cancel

Yes

surgery images we select Yes. Your images should now appear in the 2 blank spaces below.





Burn to Media Edit Rights

> • Sales • Service • Installation & Training Technical Support

a) le 1907 ng t 3 ng t 3 n COM LINCKM 100		Badoras K.Bp. Creme Prova te creding C resources Market An 23 2010 1 RCC - 1 Aca Tim 12 15 CC - 1 Aca Tim 12 15 CC - 1 Aca Tim 12 15 CC - 1 CC - 1 Aca Tim 12 15 CC - 1 CC	nd 6 6 1002 6 1002 9 20 9 20 9 20	Radera S. Bp. Crew 1 Yes 44 Crewpt C regular Alter 44 Crewpt C regular Alter 44 Crewpt C regular Alter 44 Crewpt C regular Alter Acq To T2 19 H
ndowi u nicovint	Los dinatas etro atraba		uroon na oon na o	

The Lun o	tinty rooi <u>b</u> ars	Florine Tools	Mindow Help			
<u>a</u> 🗶 [		2 🙆 🍹	· · `@ • `		► A	- 🗹
Study Manage	r - 2 Studies Fou	nd on LOCAL EXA	MS			
ilter						
Carrah	Patient ID:	Last Name:	First Name:	- Modality		
Sealch		cart				
Today			1			
Yesterday	From:	1 10:	T			
Clear Filter	3/07/2015 -	3/07/2015 👻				I SC
Clear Filler	Accession#	Study Desc.:	Referring MD:		., ,	
Options					u nonun the	thumbnail nan
	1	1		Automatically	r popup aic	anumbridii pario
Studu List						
rougy Eloc						
View	Local Exan	ns 🖳 🖵 Remote E:	kams   🚱 DICOMD	) IR   🔗 Image Cl	hannel	
Delete	Patient ID		Name	Accession	Modality	Description
	T GROTIE TD		Thomas a	760033011	modality	Description
Send	+ ROCKC	ARTLE1	Cartledge Des	preau	CR	Hip Score





 To view the two study dates, you can select
 to show patient information which includes the study date and time. This allows you to compare each view by the date it was taken and the time.

You can navigate through the different images from both pre and post surgery by right clicking your mouse over an image to bring up the following menu. This will allow you to select different images to show in each of the boxes.



Summary – When you are viewing pre and post surgery images as explained above, you can export these as a jpeg as you normally would, you can select as many images from the 2 series as you want and burn to CD by going to utility and selecting burn to media.

You can also save the selected images from both series as a DICOM image by going to File and SAVE AS – DICOM file. This way you can upload to a free cloud storage and share the file with a specialist centre who does not have DICOM receive capabilities but would be better served seeing the DICOM image file instead of the JPEG image file.



• Sales • Service • Installation & Training • Technical Support