

ACUSON Juniper Ultrasound System

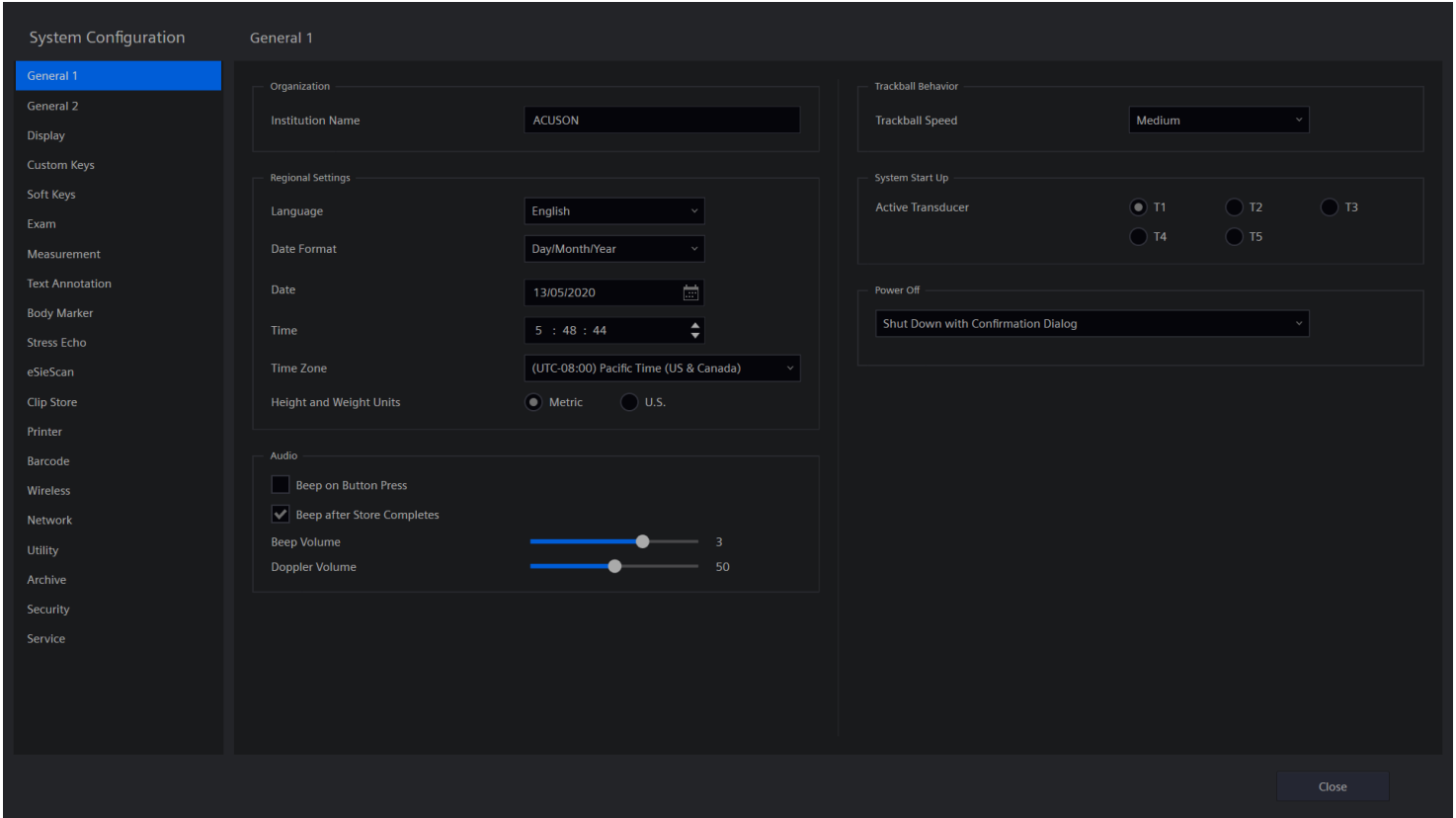
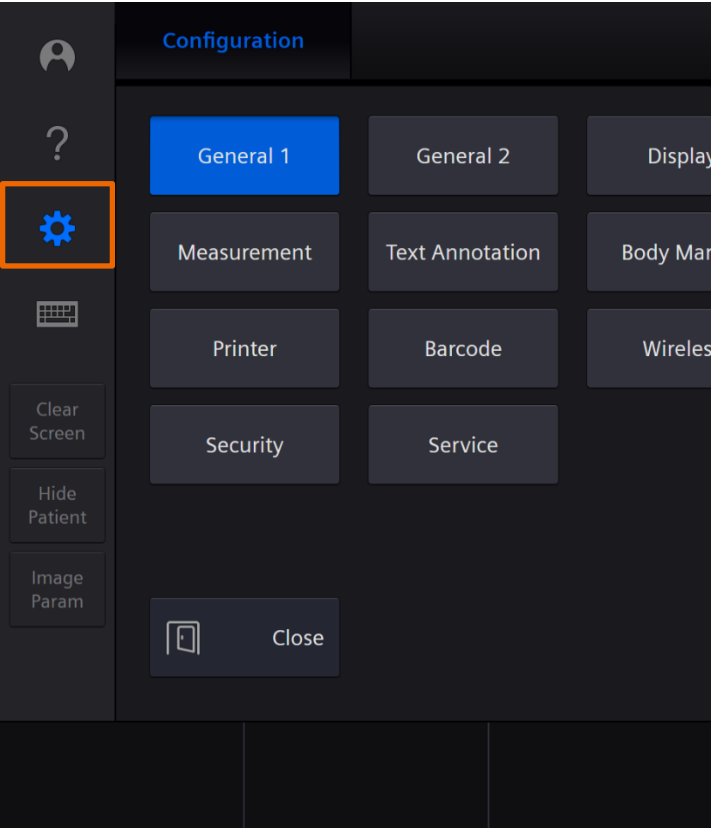
Getting Started





- Demonstrate patient registration
- Review the steps to edit / restart an exam
- Demonstrate workflow selections
- Produce customized exam presets
- Identify review functions
- Perform the steps to end exam
- Discuss backup and restore

Patient registration Configuration



Patient registration

Starting an exam



Patient registration Manual

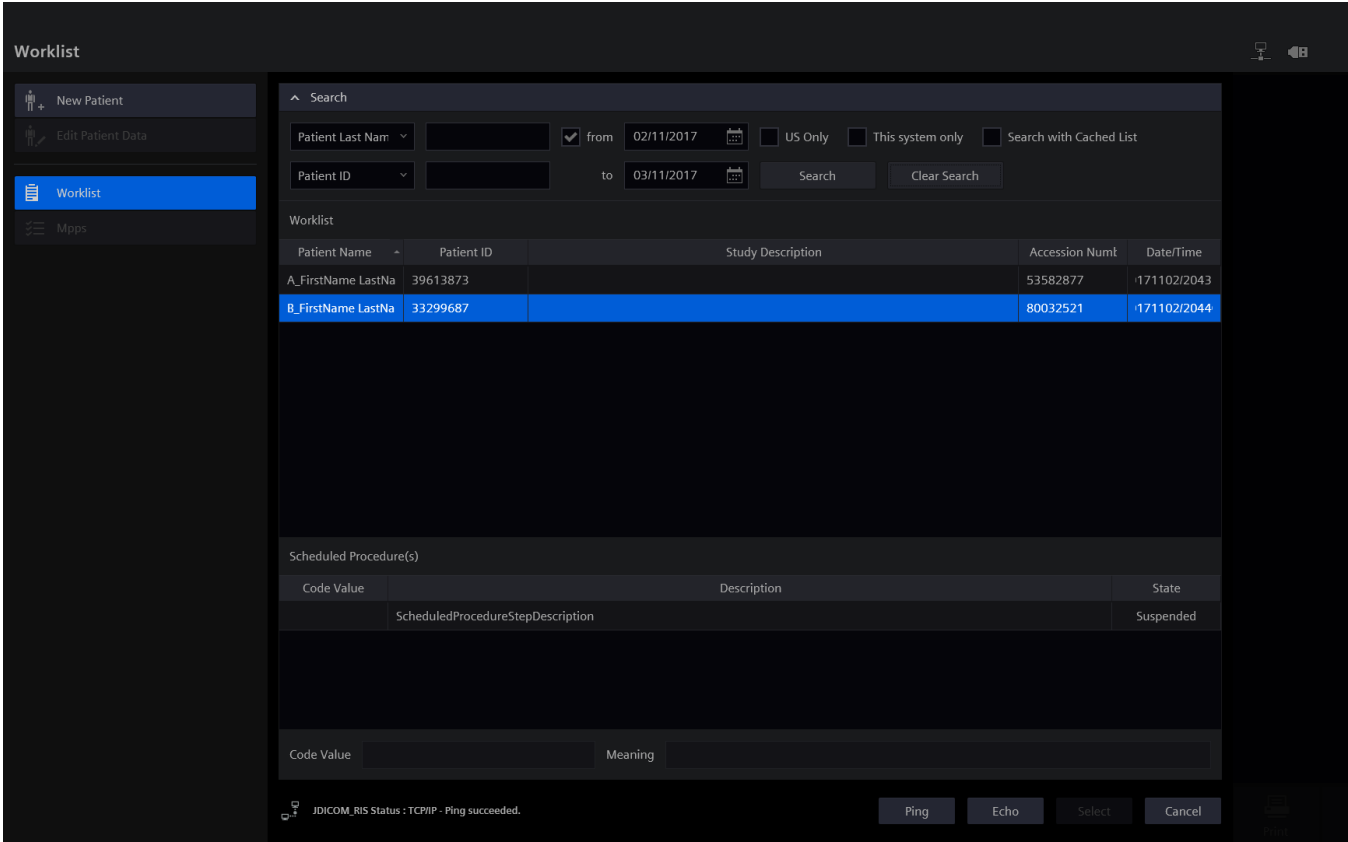
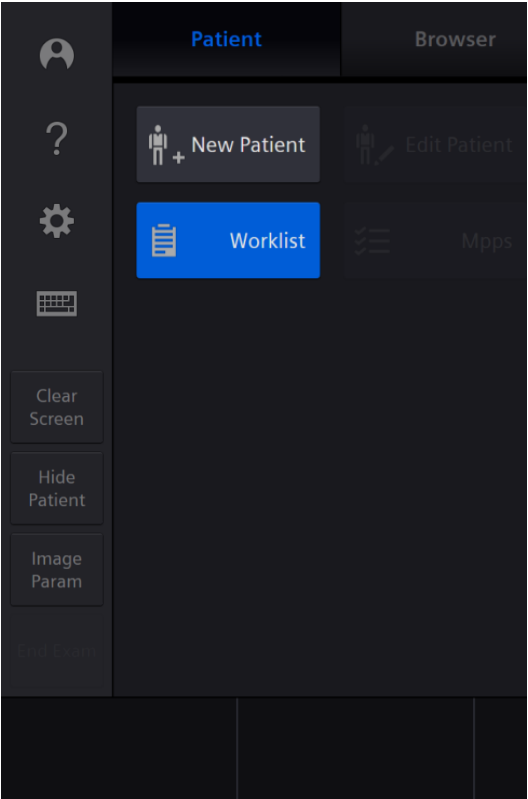
To manually register a patient:

- Select **New Patient**
- Enter the patient information, select transducer, exam and protocol
- Select **OK** to begin imaging

The screenshot shows the 'Register' and 'Edit Patient Data' interface. The 'Register' panel on the left has two buttons: 'New Patient' and 'Edit Patient Data'. The 'Edit Patient Data' panel on the right contains several sections: 'Patient Demographics' with fields for Last Name, First Name, Patient ID, Date of Birth, Gender, Height, Weight, BSA, and BP; 'Exam' with dropdowns for Transducer, Exam, and Protocol, and fields for Accession No. and Indication; 'Medical Information' with an 'Additional Info' text area; and 'Order Information' with fields for Performing MD, Sonographer, and Referring MD. An 'OK' button is located at the bottom right. Orange lines with dots at the end point from the text instructions to the 'New Patient' button, the 'Transducer' dropdown, and the 'OK' button.

Patient registration

Worklist



Objectives



- Demonstrate patient registration
- Review the steps to edit / restart an exam
- Demonstrate workflow selections
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Edit patient data



Register Edit Patient Data

New Patient Edit Patient Data

Patient Demographics

Last Name: Patient ID: 31_07_2017_14_42_25

First Name: A Date of Birth: DD / MM / YYYY Age:

Mi: Pre: Suf: Gender: ☐ Male ☐ Female ☐ Other

Height: cm BSA: m²

Weight: kg BP: / mmHg

Exam

Transducer: 12L3 Accession No.:

Exam: Thyroid Indication:

Protocol: <None>

Medical Information

Additional Info:

Order Information

Performing MD: Referring MD:

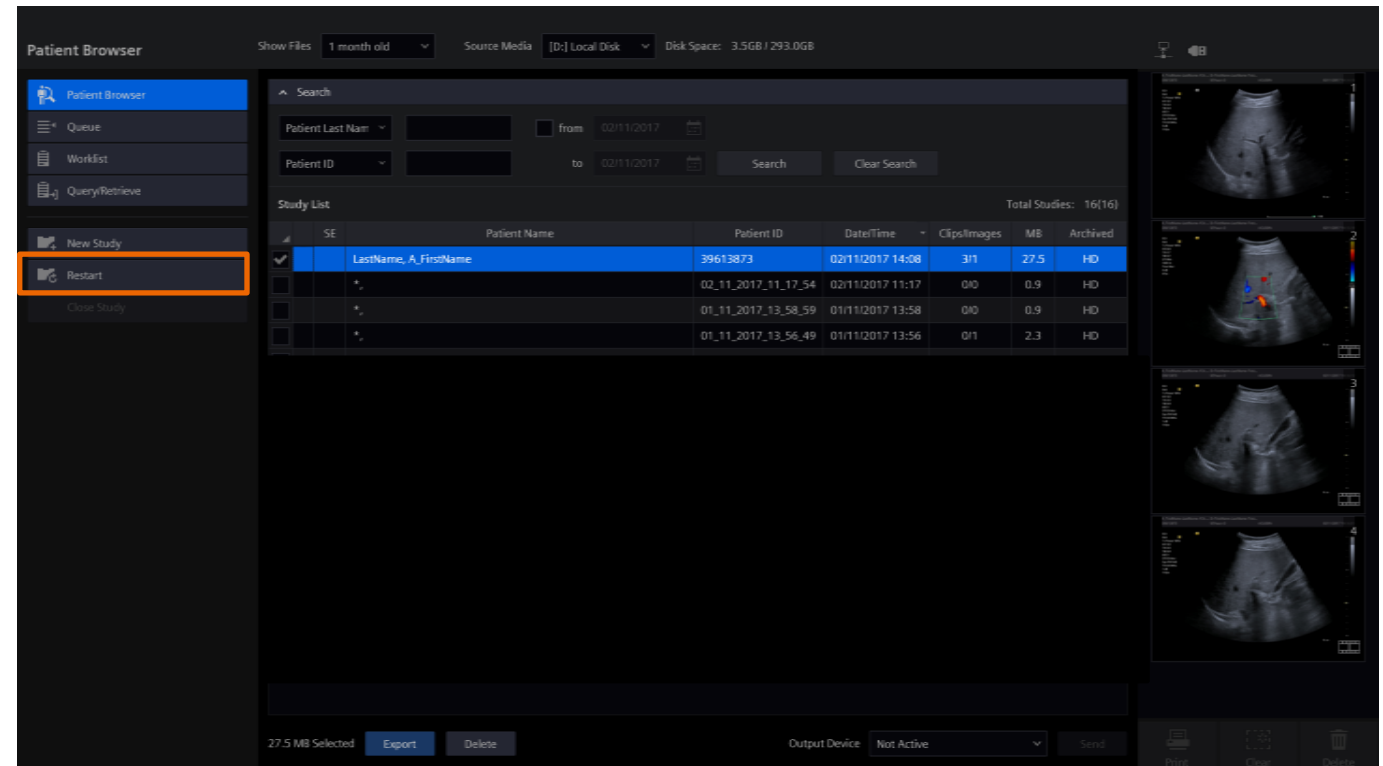
Sonographer:

OK Cancel

Restart an exam

To restart an exam:

- Select **Patient** on the Control Panel
- Select **Browser** on the Touch Screen
- Select the search period
- Select the desired exam
- Select **Restart**



Objectives

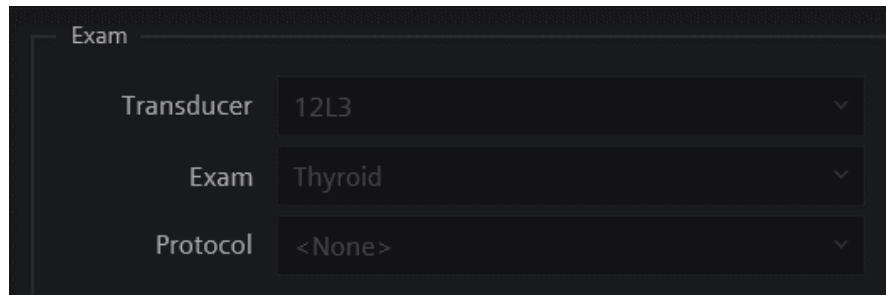


- Demonstrate patient registration
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- **Demonstrate workflow selections**
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Workflow selections

Transducer, exam and protocol

To select an exam type from patient registration screen



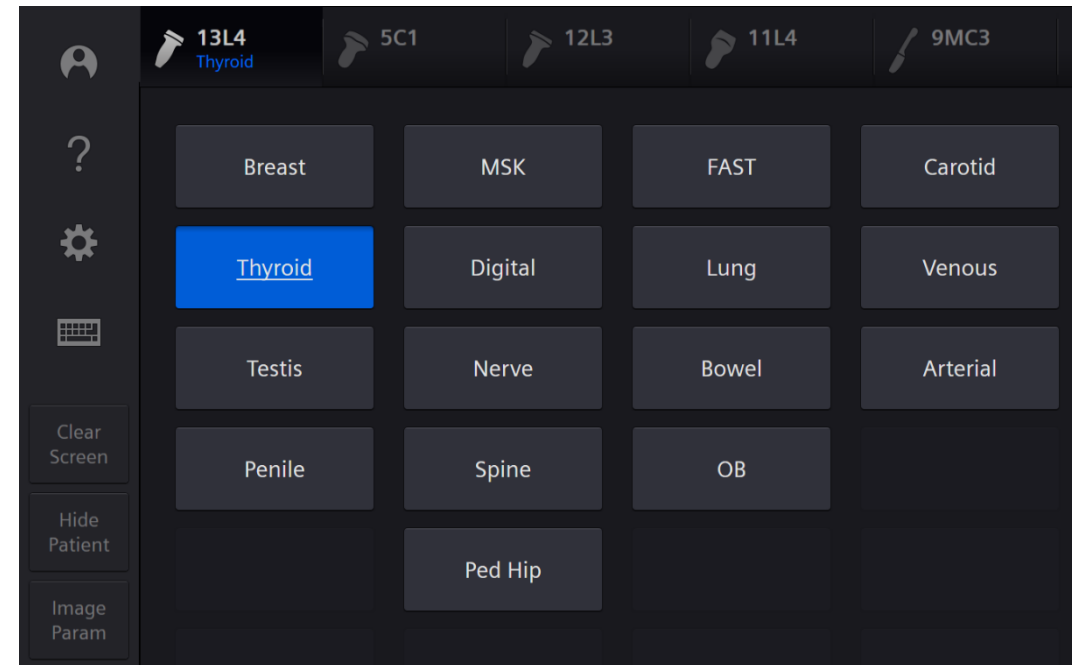
Exam

Transducer 12L3

Exam Thyroid

Protocol <None>

Exam and transducer can also be selected from the Touch Screen



13L4 Thyroid 5C1 12L3 11L4 9MC3

Breast MSK FAST Carotid

Thyroid Digital Lung Venous

Testis Nerve Bowel Arterial

Penile Spine OB

Ped Hip

Clear Screen

Hide Patient

Image Param

Protocols (eSieScan workflow protocols)

Register

New Patient

New Patient

Edit Patient Data

Patient Demographics

Last Name

TEST

First Name

MI

Pre

Suf

Height

cm

Weight

kg

Date of Birth

DD

MM

YYYY

Age

Gender

Male

Female

Other

BSA

m²

BP

mmHg

Patient ID

123456789

Accession No.

Indication

Exam

Transducer

16L4

Exam

Thyroid

Protocol

<None>

Medical Information

Adult Echo

Additional Info

Breast

OB

Carotid

Venous

Other Information

Performing MD

Referring MD

Sonographer

OK

Cancel

Transducer

16L4

Exam

Thyroid

Protocol

<None>

Medical Information

Adult Echo

Additional Info

Breast

OB

Carotid

Venous

13L4 Thyroid

5C1

12L3

11L4

9MC3

Add Exam

Elasticity

SieScape

eSieScan

2D

THI

Split

Biopsy Settings

Biopsy

Physio Settings >

Trapezoid

4B

CTI

DTI

Clip Settings

Clear Screen

Hide Patient

Image Param

End Exam

High Density 0

DTCE Med

R/S 4

Tint 10

Image Size 2

Tx Power 100%

MultiHertz 10.0 MHz

Adv. SieClear 2

Dyn R 66 dB

Map C

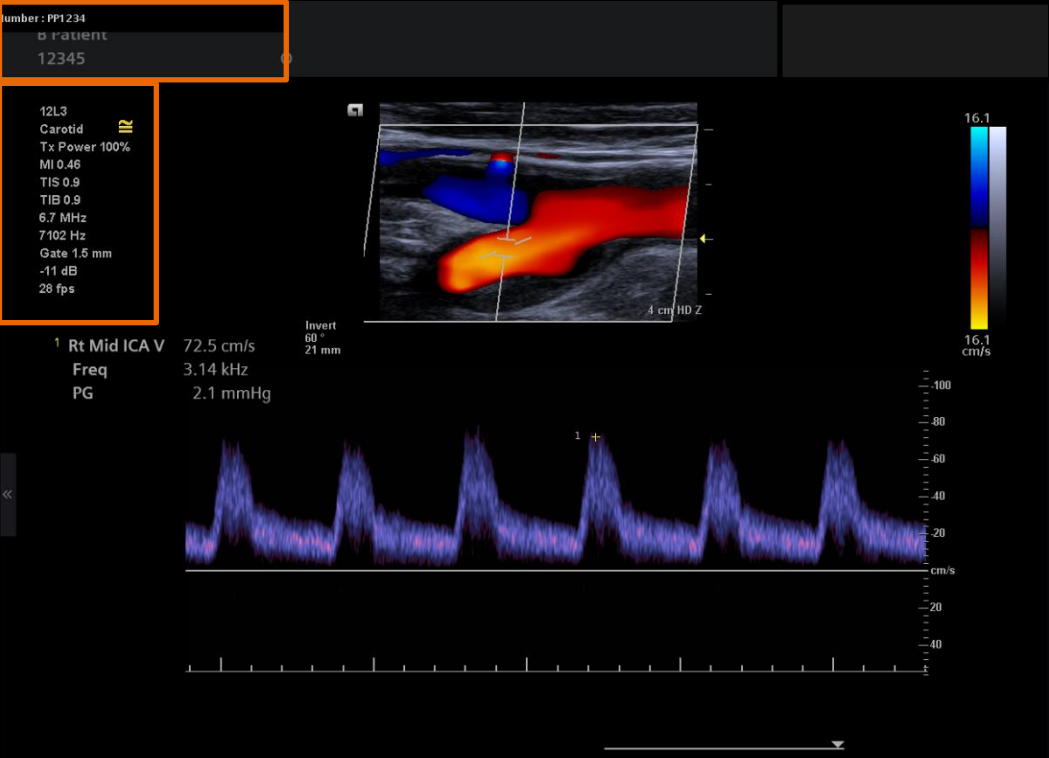
Focus Width

TEQ Gain 0

12

Unrestricted © Siemens Healthineers 2022

Image parameters and patient information



13L4 Thyroid 5C1 12L3 11L4 9MC3 Add Exam

2D Elasticity SieScape eSieScan

Clear Screen

Hide Patient

Image Param

THI

Split

Physio Settings >

Trapezoid

4B

Clip Settings

Biopsy Settings

Biopsy

CTI

DTI

High Density	0	DTCE	Med	R/S	4	Tint	10	Image Size	2	Tx Power	100%
MultiHertz	10.0 MHz	Adv. SieClear	2	Dyn R	66 dB	Map	C	Focus Width		TEQ Gain	0

Objectives

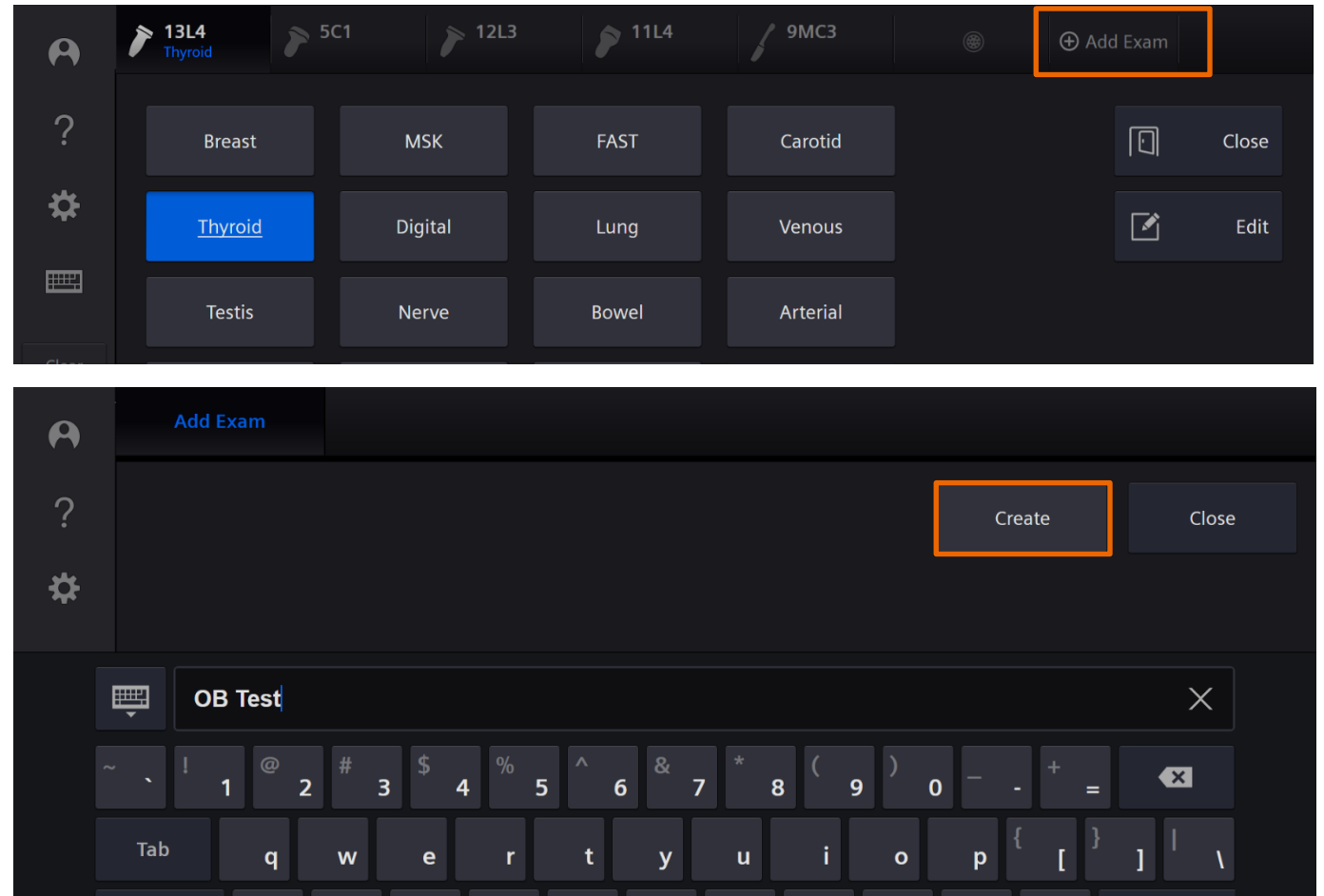


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Creating a user-defined exam

To create a user-defined exam preset

- Select the transducer and exam from the Touch Screen
- Select **Add Exam**
- Enter a name for the exam
- Select **Create**

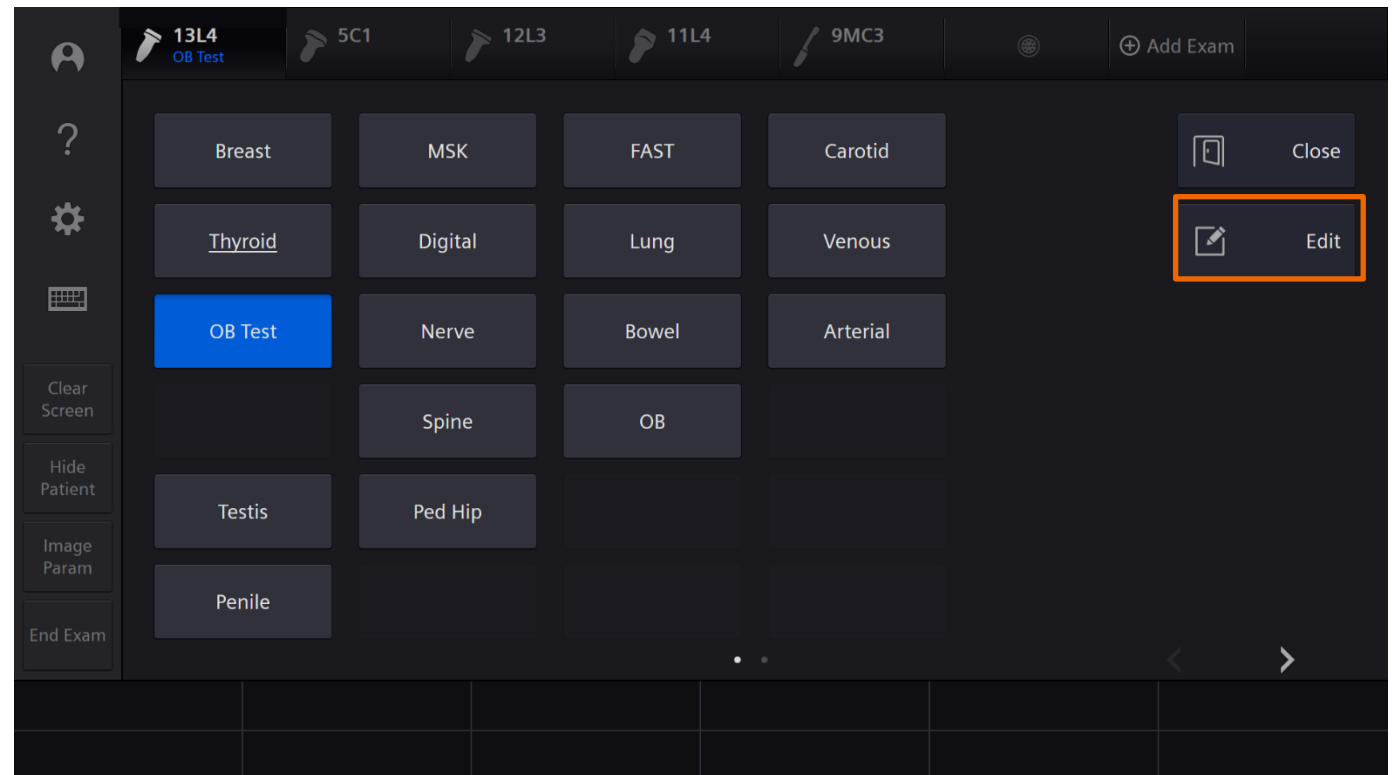


Editing a user-defined exam

To edit a user-defined exam preset

- Select the exam preset you want to edit
- Adjust the parameters
- Select the desired transducer tab
- Select **Edit**

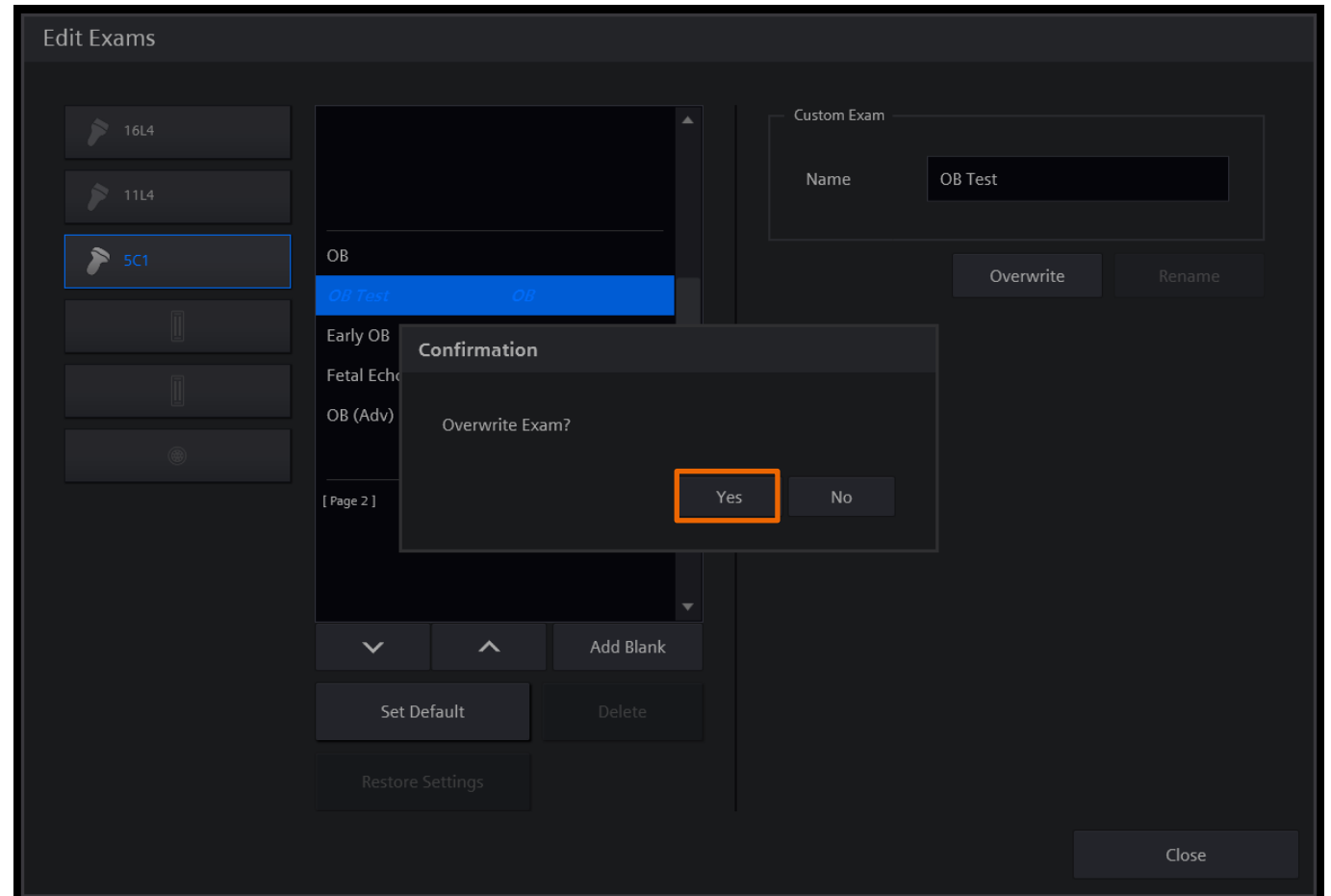
(continued on next slide)



Overwriting a user-defined exam

To overwrite a user-defined exam preset

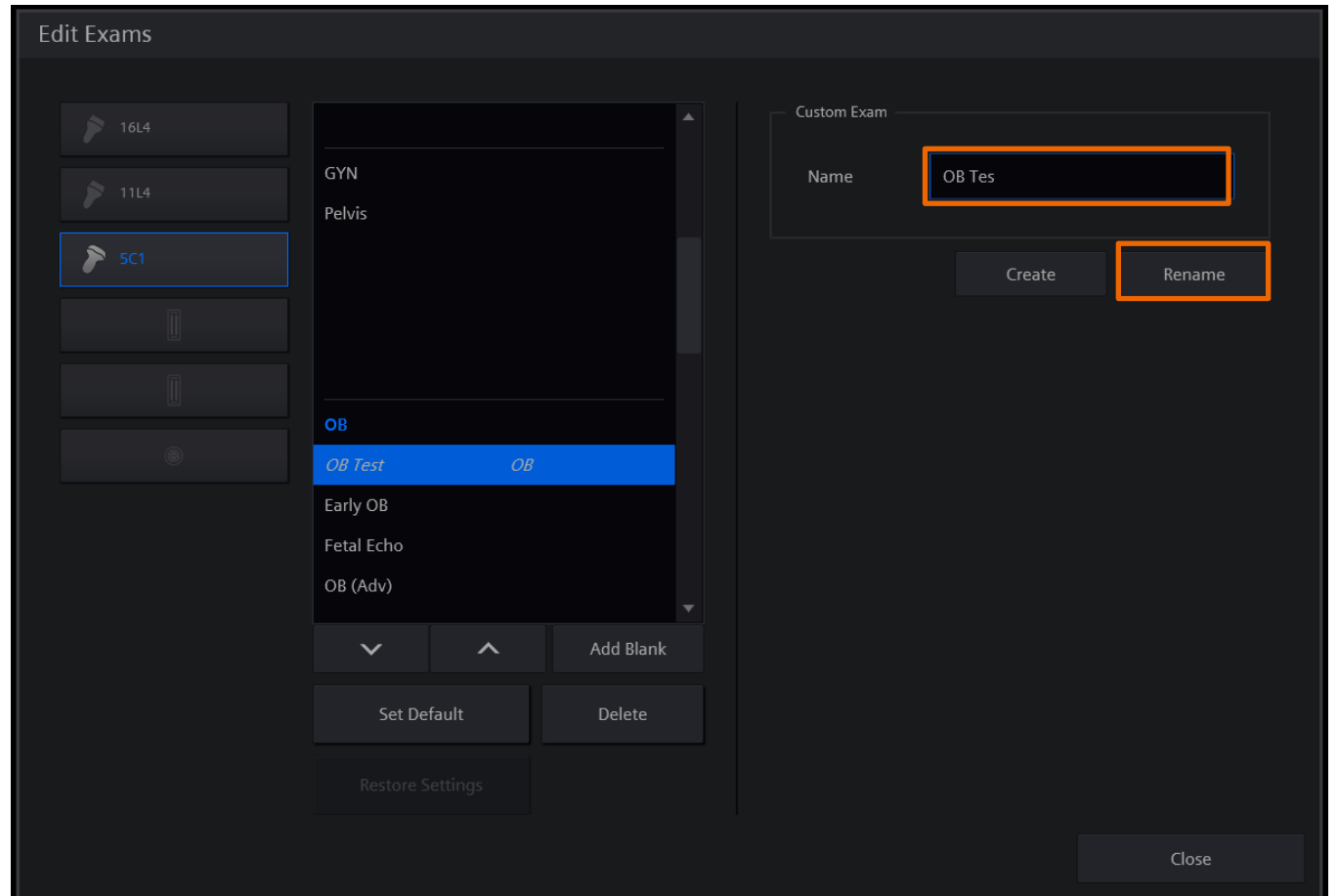
- Select the desired user-defined exam
- Select **Overwrite**
- Select **Set Default** to change the default exam for the selected transducer
- Select **Yes** to confirm



Renaming a user-defined exam

To rename a user-defined exam preset

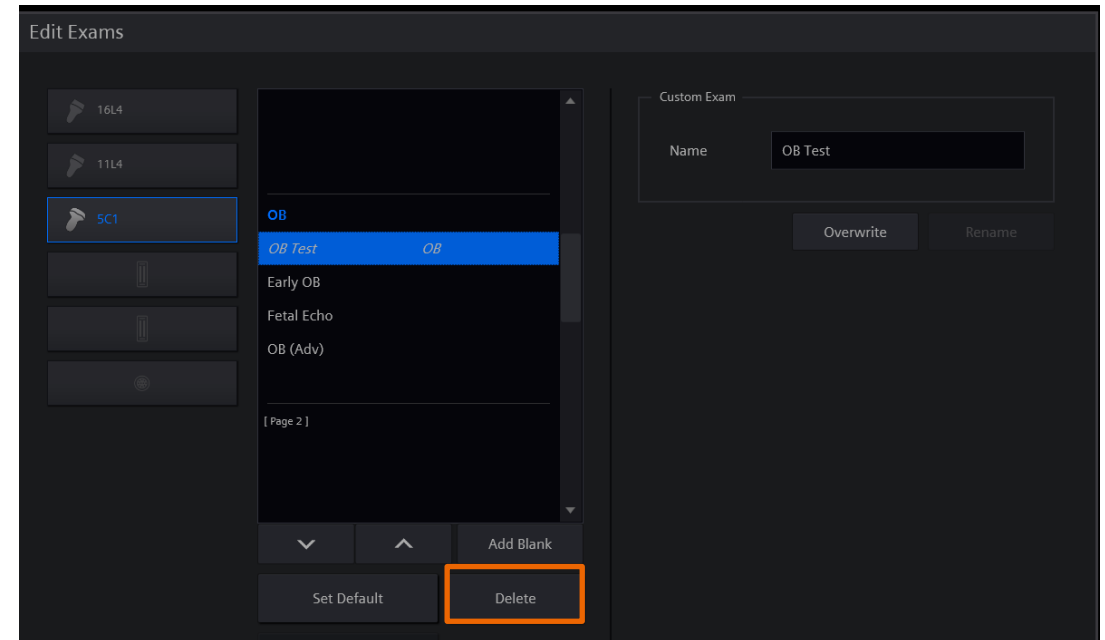
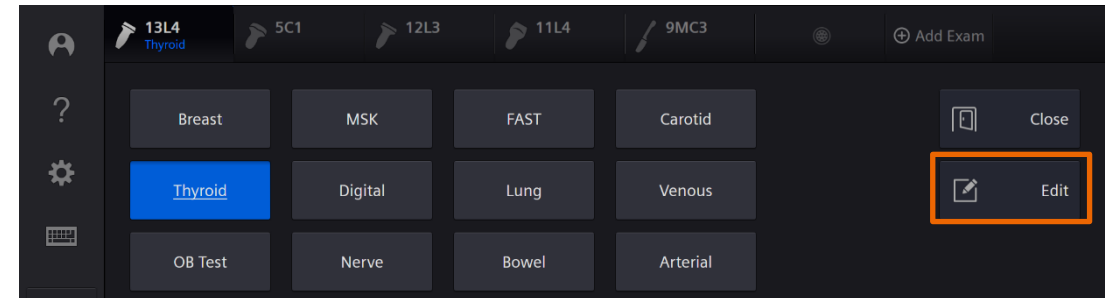
- Select the desired user-defined exam
- Replace the information in the **Name** field
- Select **Rename**
- Select **Set Default** to change the default exam for the selected transducer



Deleting a user-defined exam

To delete a user-defined exam preset

- Activate an exam preset other than the one you want to delete
- Select the desired transducer tab
- Select **Edit**
- Select the desired exam
- Select **Delete**



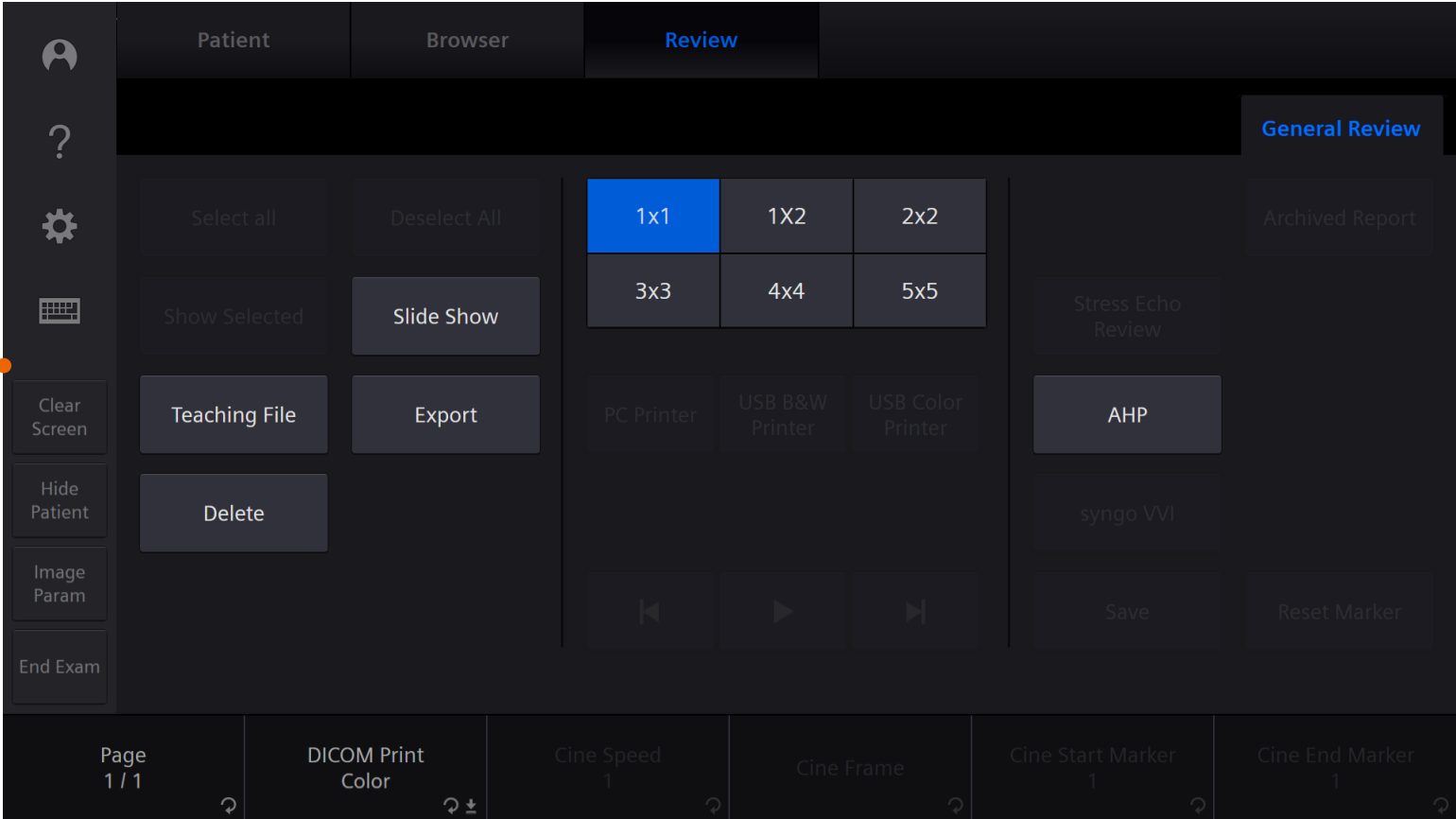
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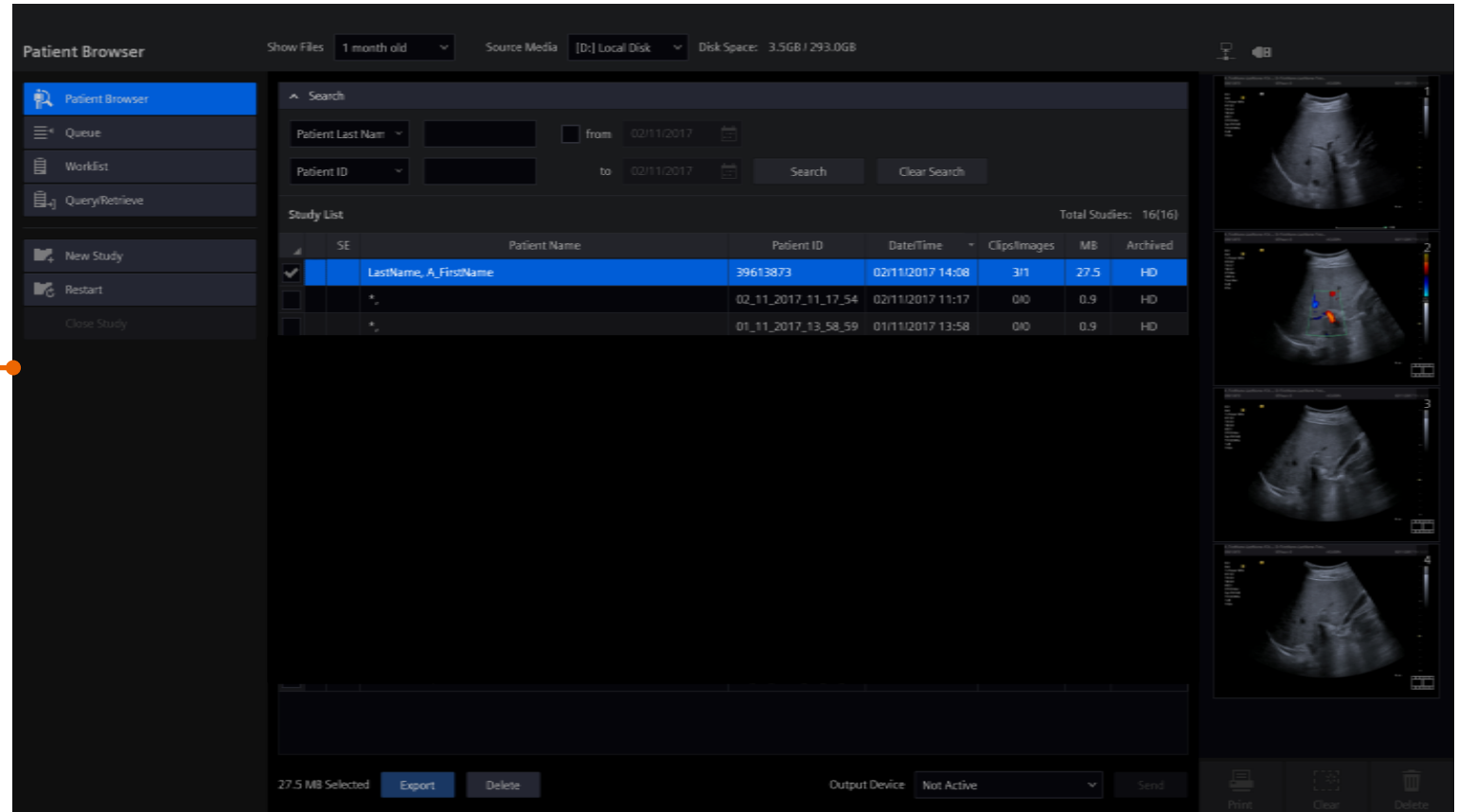
Activate review mode

Active study



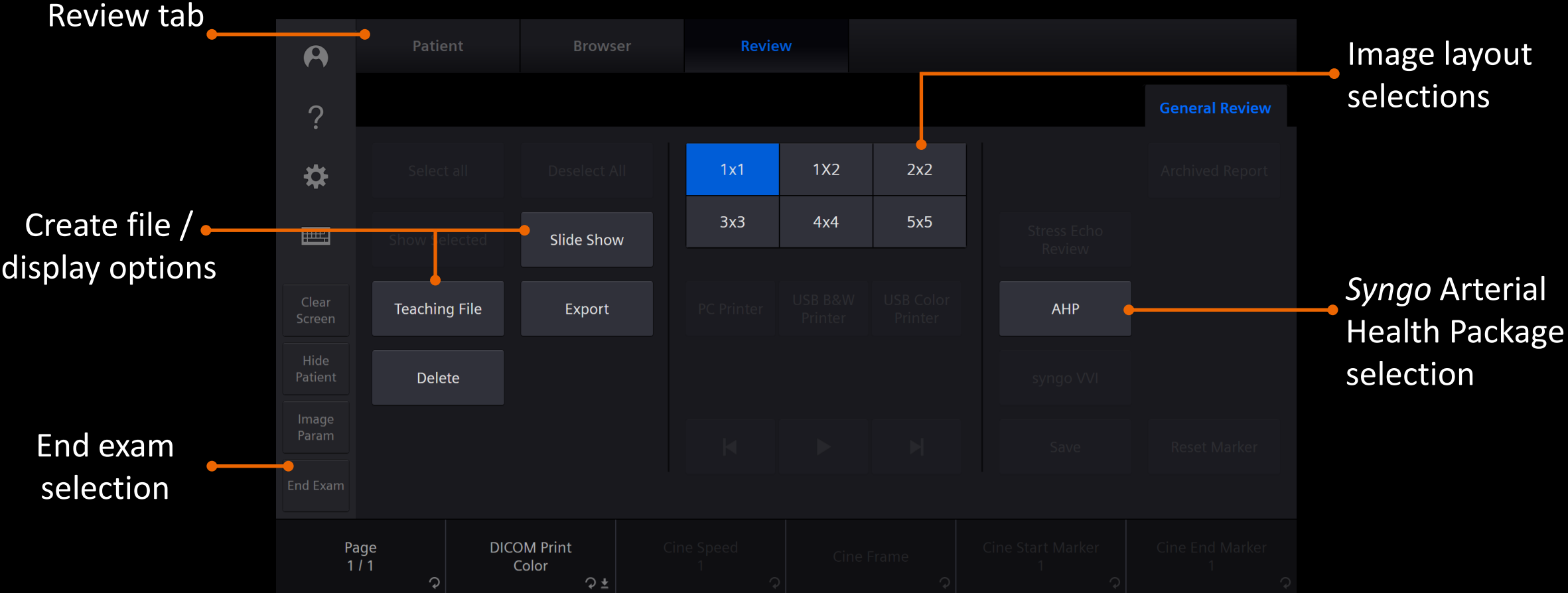
Activate review mode

Saved study



Review Touch Screen layout

Active study

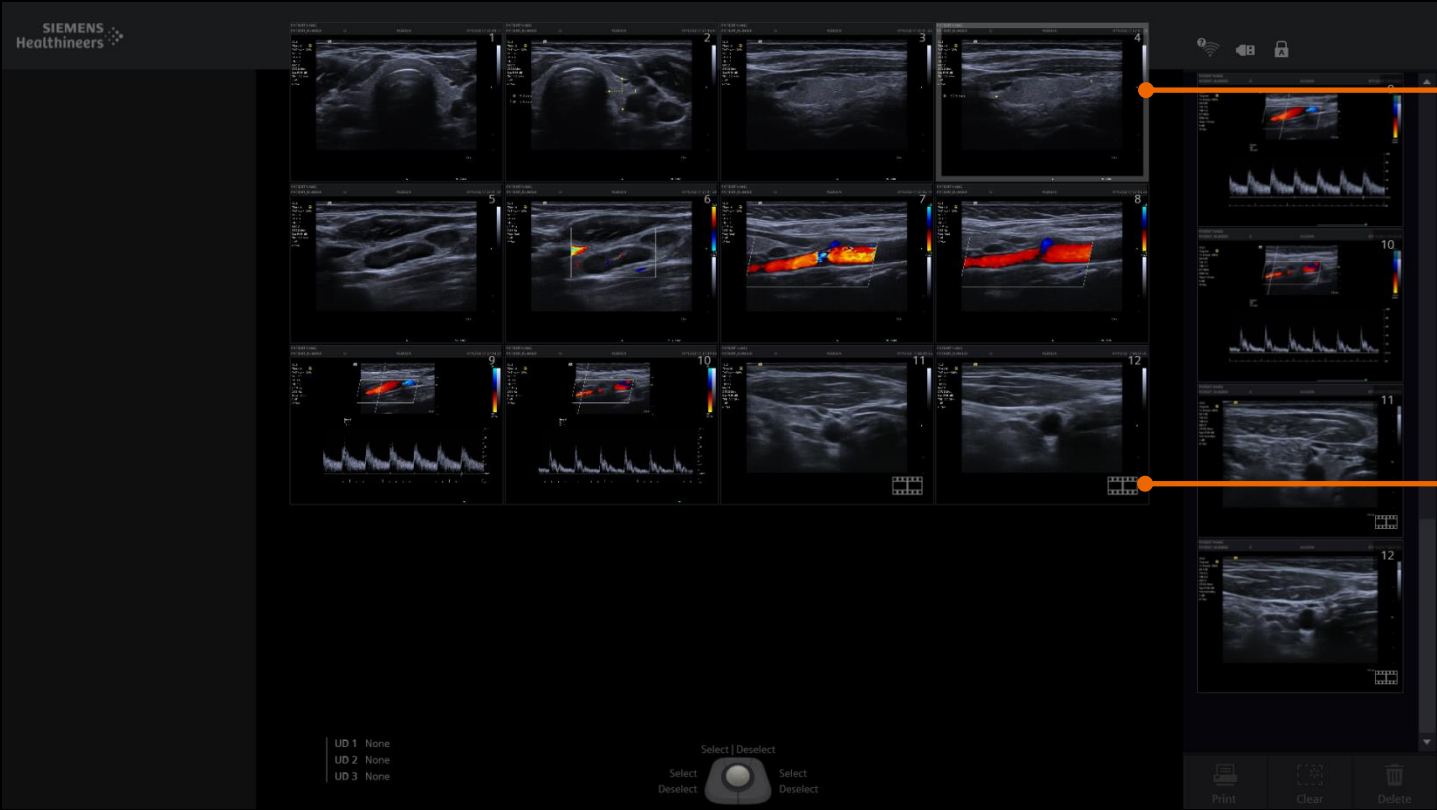


Review onscreen layout display and options



Review onscreen multi-layout display

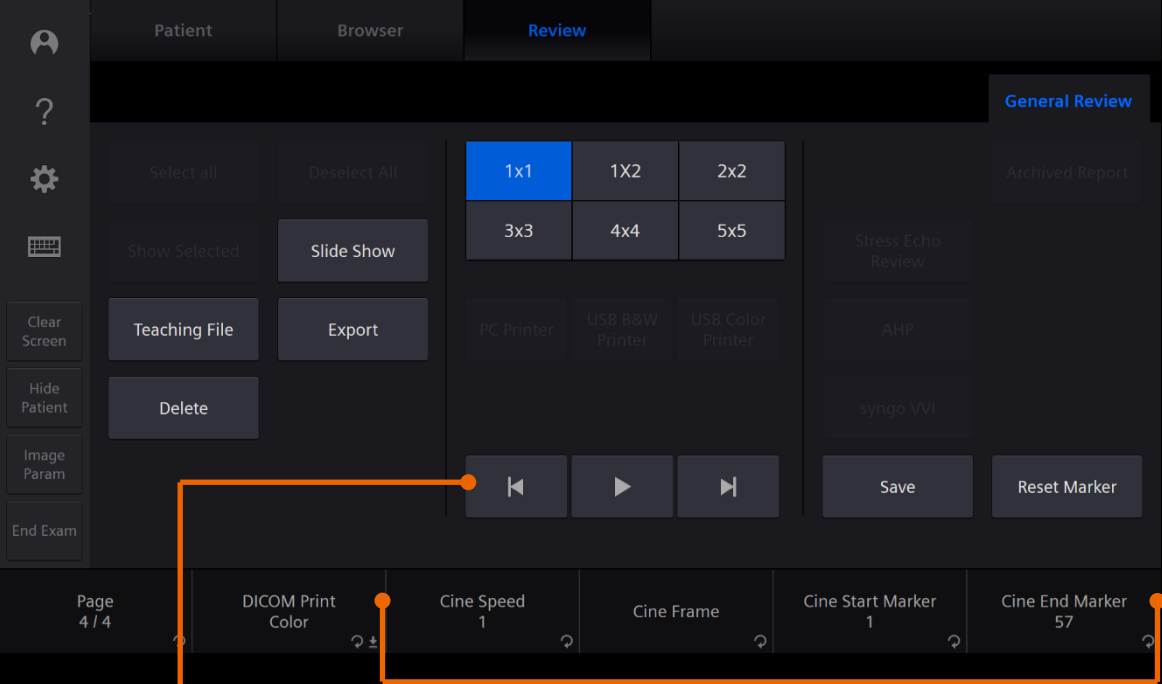
1x1	1X2	2x2
3x3	4x4	5x5



Active image

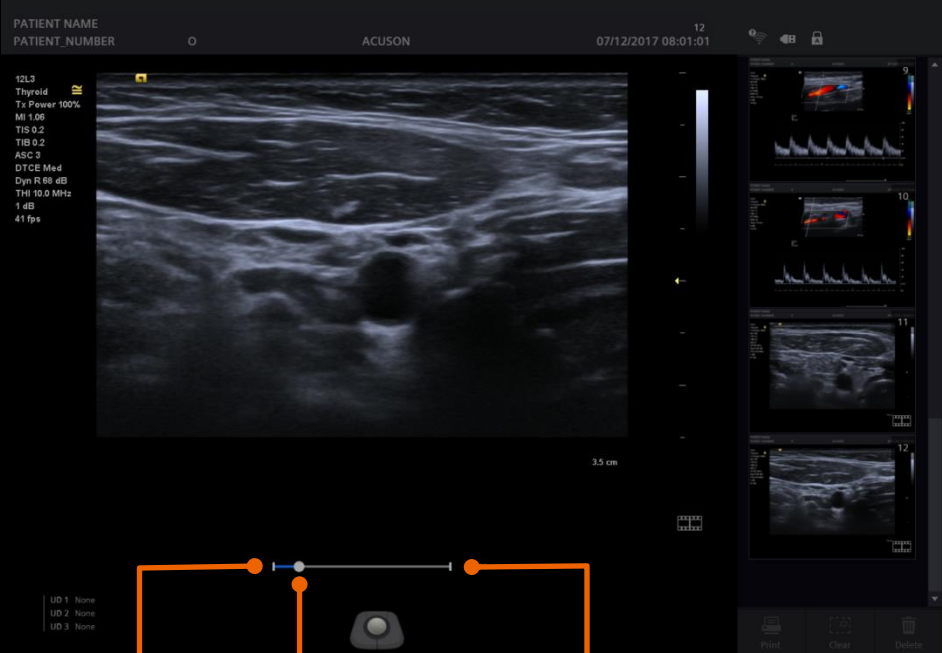
Image type indicator - Cine clip

Viewing clips Touch Screen options



Play / Pause

Cine controls



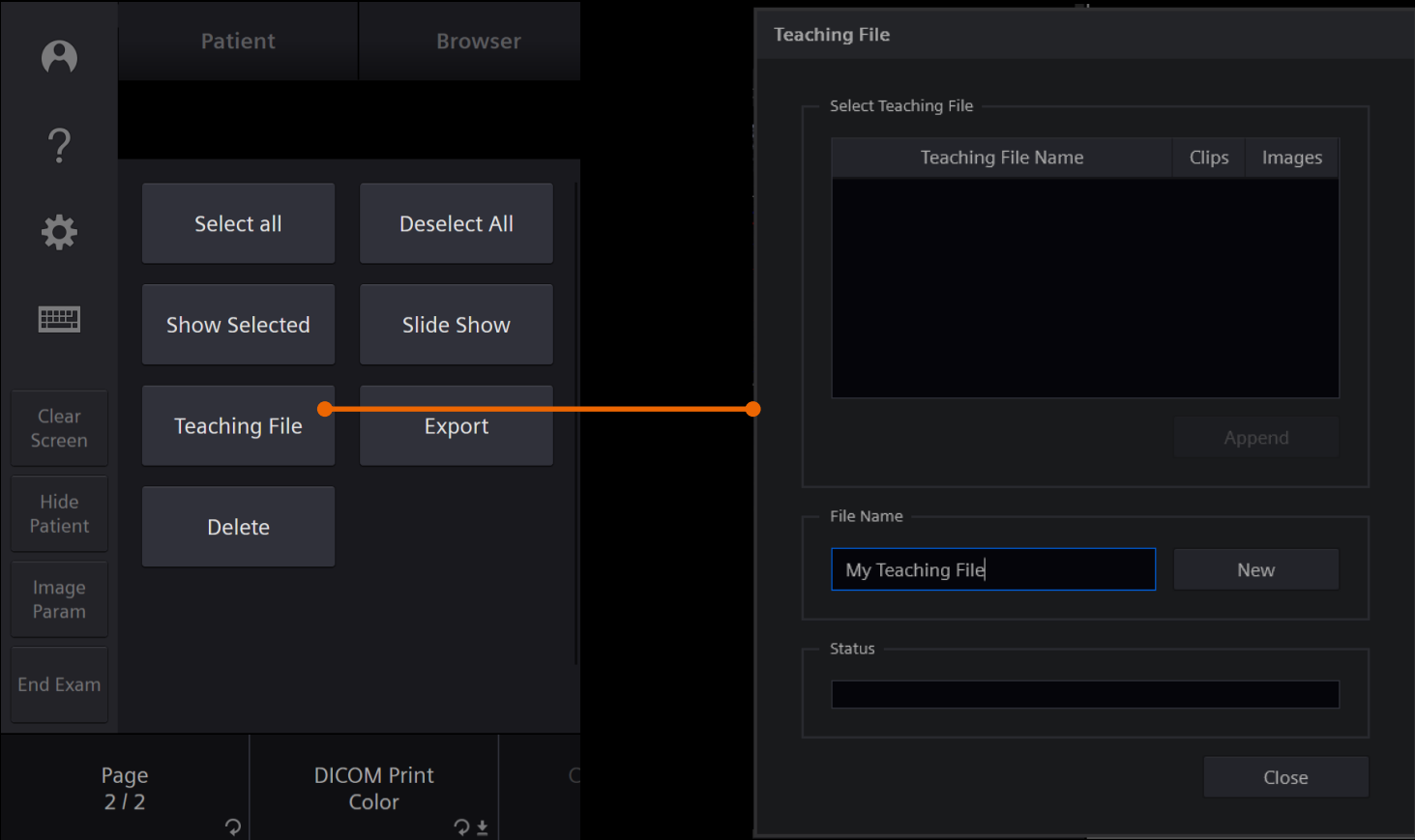
Clip
start
marker

Current
frame
marker

Clip
end
marker

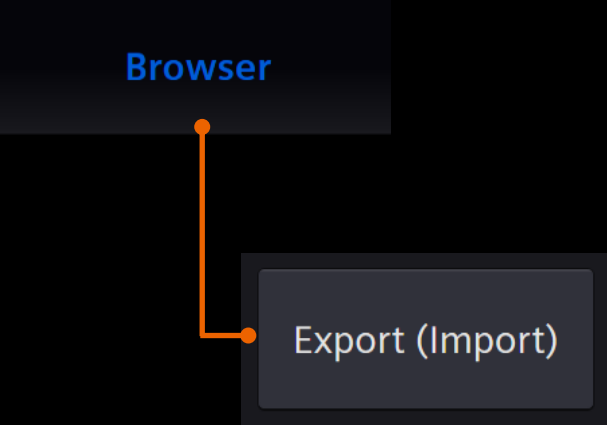
Slide show

Teaching file



Export from patient browser

USB or CD / DVD



Patient Browser | Show Files: 2 weeks old | Source Media: [D:] Local Disk | Disk Space: 2.5GB / 293.0GB

Search

Patient Last Name:

Patient ID:

Study List

SE	Study	Clips	Images	Size
	*,			
	uuu,			
	yy,			
	rrr,			
	*,			
<input checked="" type="checkbox"/>	THYROID,			
<input type="checkbox"/>	PATIENT NAME,			

Export

Destination

[G:] CD/DVD | Disk Space: 0MB / 703MB

[G:] CD/DVD | Patient ID: 71207080553 | Clips: 0 | Images: 1 | Size: 2.8

Identification

☐ De-identify | Anonymous

Format

☒ DICOM

☒ Tiff/Avi

Options

☐ Finalize

☐ Eject | **Eject**

Status

Ready

Export | **Close**

2.8 MB Selected | **Export** | **Delete** | Output Device: Not Active | **Send** | **Print** | **Clear** | **Delete**

Import studies from USB or CD-R / DVD

Patient Browser

Queue

New Study

Restart

Close Study

2 weeks old

Source Media

[H:]

Disk Space: 1.8GB / 7.5GB

Search

Patient Last Nam

from

25/10/2017

Patient ID

to

25/10/2017

Search

Clear Search

Study List

Total Studies: 2(2)

	SE	Patient Name	Patient ID	Date/Time	Clips/Images	MB	Archived
<input checked="" type="checkbox"/>		*	25_10_2017_07_26_22	25/10/2017 07:26	0/0	0.1	HD,USB
<input type="checkbox"/>		*	24_10_2017_09_51_38	24/10/2017 09:51	3/14	80.8	HD,USB

0.1 MB

Import

Delete

Output Device

Not Active

Send

Print

Clear

Delete

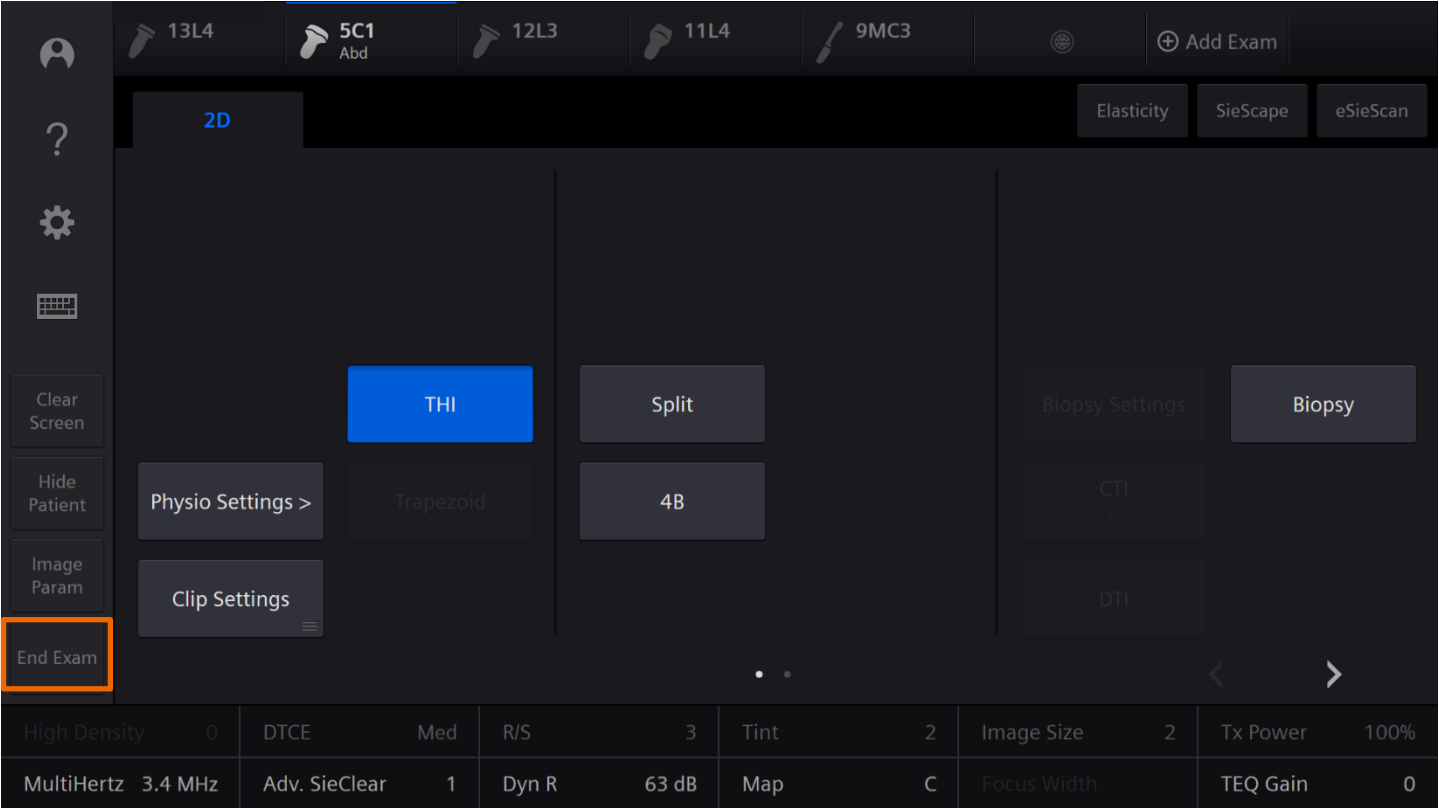
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To end an exam:

Select **End Exam** on the Touch Screen

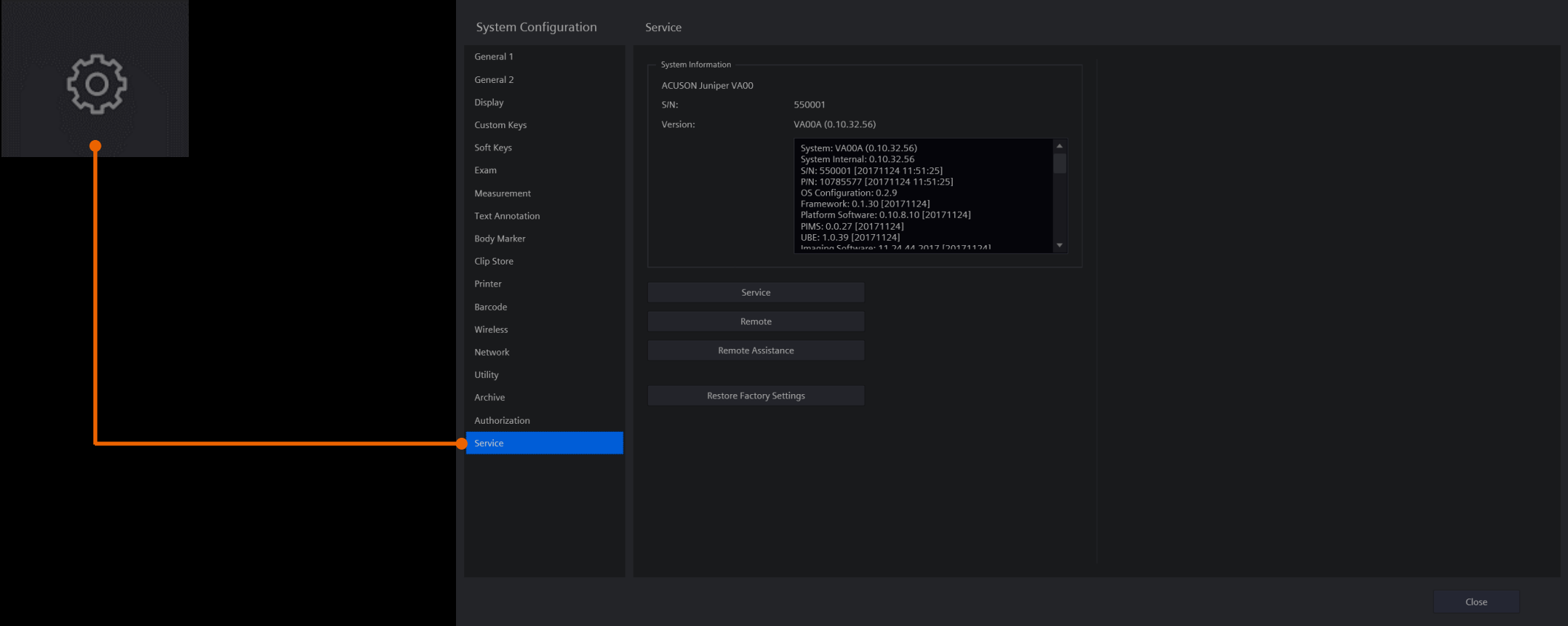


Objectives

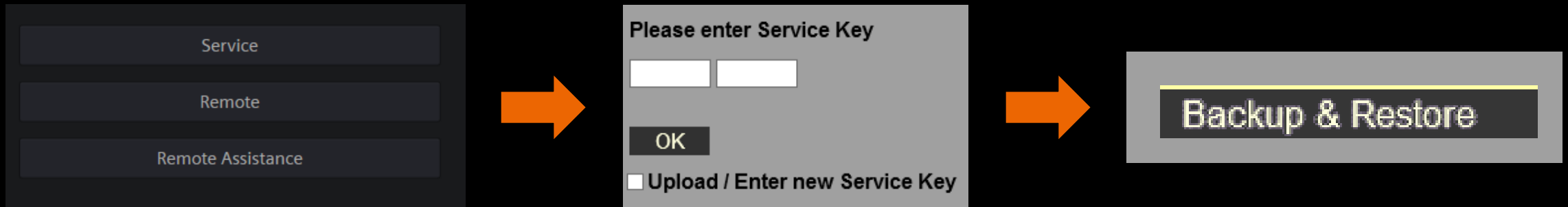


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Back-up and restore presets



Back-up and restore presets



Select **Service** to open the
Service Software page

Select **OK**

Select **Backup & Restore**
to move to next step

Backup



Backup

	Name	Description	
<input checked="" type="checkbox"/>	Juniper eSieScan Workflow Protocol[1.00.000]20200510162041	eSieScan Workflow Protocol	▲
<input checked="" type="checkbox"/>	Juniper License Info[1.00.000]20200510162041	License Information	
<input checked="" type="checkbox"/>	Juniper M&R User Defined[1.00.000]20200510162041	M&R User Defined Settings	
<input checked="" type="checkbox"/>	Juniper Security Settings[1.00.000]20200510162041	Security Settings	
<input checked="" type="checkbox"/>	Juniper Service Image[1.00.000]20200510162041	Service Images	
<input checked="" type="checkbox"/>	Juniper Service Log[1.00.000]20200510162041	Service Logs	
<input checked="" type="checkbox"/>	Juniper Service Test Report[1.00.000]20200510162041	Service Test Report	
<input checked="" type="checkbox"/>	Juniper Stress Echo[1.00.000]20200510162041	Stress Echo	
<input checked="" type="checkbox"/>	Juniper System Preset[1.00.000]20200510162041	System Configuration	
<input checked="" type="checkbox"/>	Juniper User-Defined Exam[1.00.000]20200510162041	User defined Exam	
<input checked="" type="checkbox"/>	Juniper Wireless[1.00.000]20200510162041	Wireless Settings	▼

Select all

Deselect All

Destination [E:] ▼

Backup

Close

Restore



SELECT
Backup
Restore

Restore

	Name	Description	
<input checked="" type="checkbox"/>	Juniper 4D SubPresets[1.00.000]20200510162041	3D or 4D Settings	▲
<input checked="" type="checkbox"/>	Juniper eSieScan Workflow Protocol[1.00.000]20200510162041	eSieScan Workflow Protocol	
<input checked="" type="checkbox"/>	Juniper License Info[1.00.000]20200510162041	License Information	
<input checked="" type="checkbox"/>	Juniper M&R User Defined[1.00.000]20200510162041	M&R User Defined Settings	
<input checked="" type="checkbox"/>	Juniper Security Settings[1.00.000]20200510162041	Security Settings	
<input checked="" type="checkbox"/>	Juniper Service Image[1.00.000]20200510162041	Service Images	
<input checked="" type="checkbox"/>	Juniper Service Log[1.00.000]20200510162041	Service Logs	
<input checked="" type="checkbox"/>	Juniper Service Test Report[1.00.000]20200510162041	Service Test Report	
<input checked="" type="checkbox"/>	Juniper Stress Echo[1.00.000]20200510162041	Stress Echo	
<input checked="" type="checkbox"/>	Juniper System Preset[1.00.000]20200510162041	System Configuration	
<input checked="" type="checkbox"/>	Juniper User-Defined Exam[1.00.000]20200510162041	User defined Exam	▼

Select all

Deselect All

Destination

[E:]

Restore

Close



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Thank you for your enthusiasm!

Questions?