

Digital Ultrasound Diagnostic System

DICOM Quick Guide

Intellectual Property Statement



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Note:



()

()

Abbreviation introduction:

Abbreviation	Description
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1 Preset

1.1 Local TCP/IP Preset

TCP/IP Preset Screen

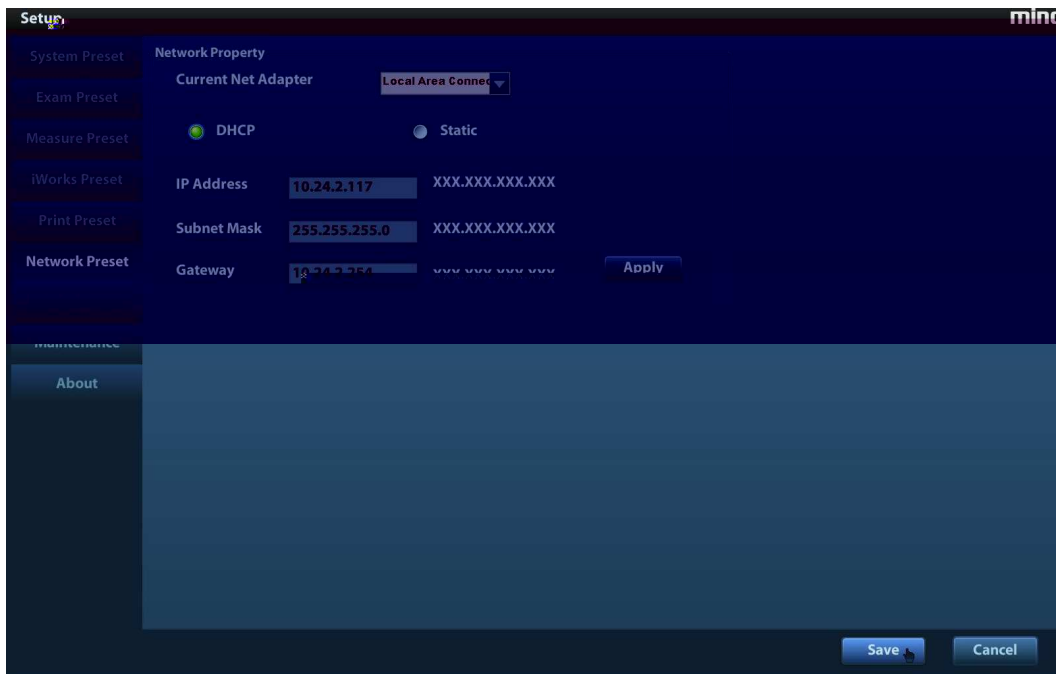


Figure 1

Name	Description

Note:



Figure 2 TCP/IP Preset Screen (Wireless Network)

1.2 DICOM Preset

DICOM Preset Screen

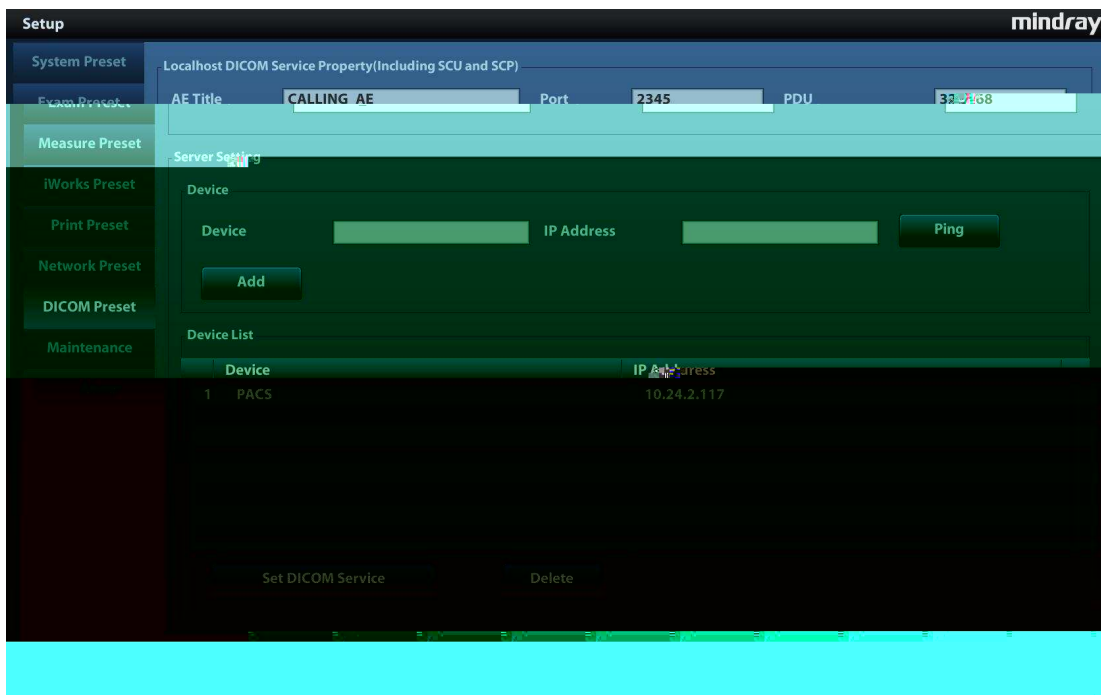


Figure 3

Name	Description

1.3 DICOM Service Preset

1.3.1 DICOM Storage Preset

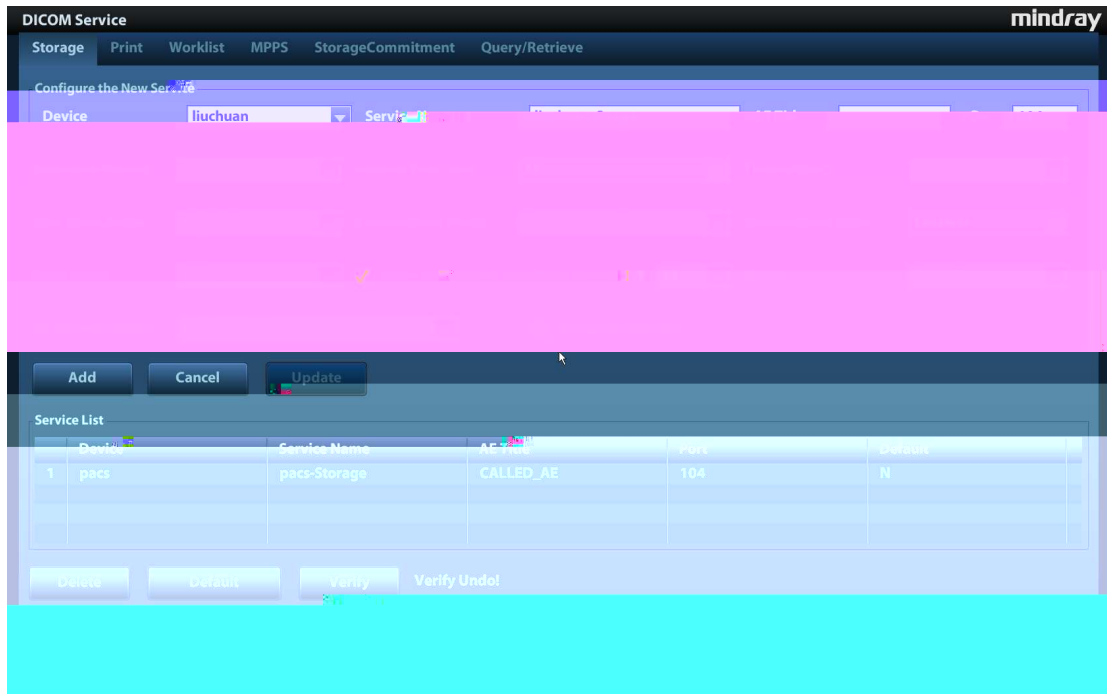


Figure 4

Name	Description
	□
	□ □
—	

()	—
()	□
	,
	□
	□

1.3.2 DICOM Print Preset

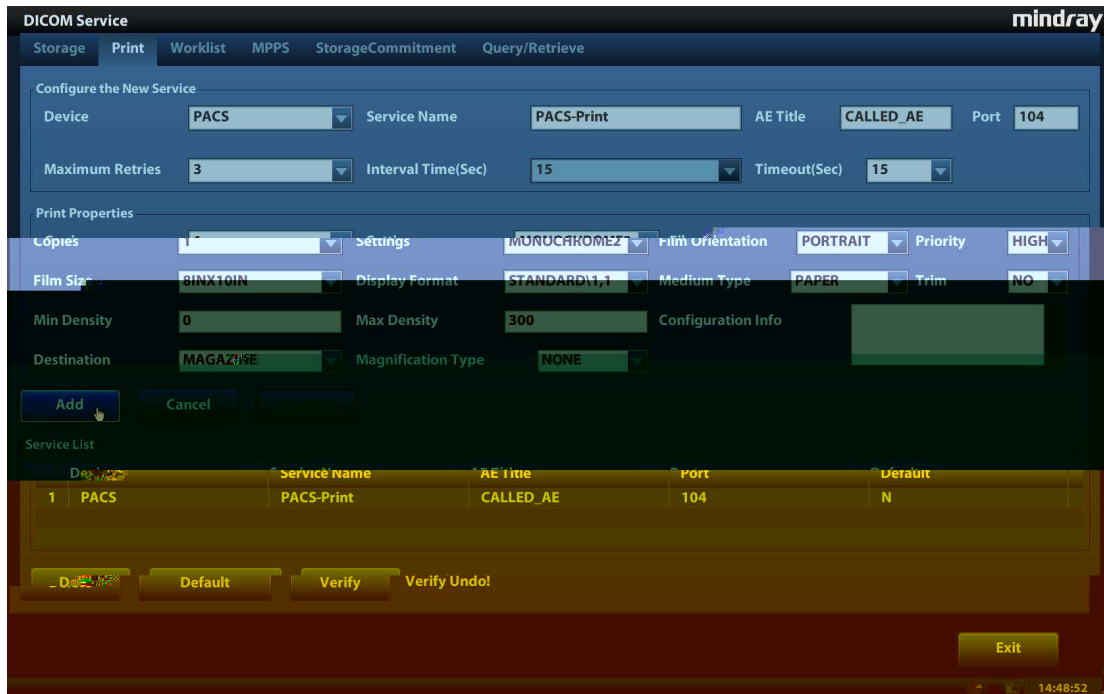


Figure 5

Name	Description

Tips:

1.3.3 Worklist Preset

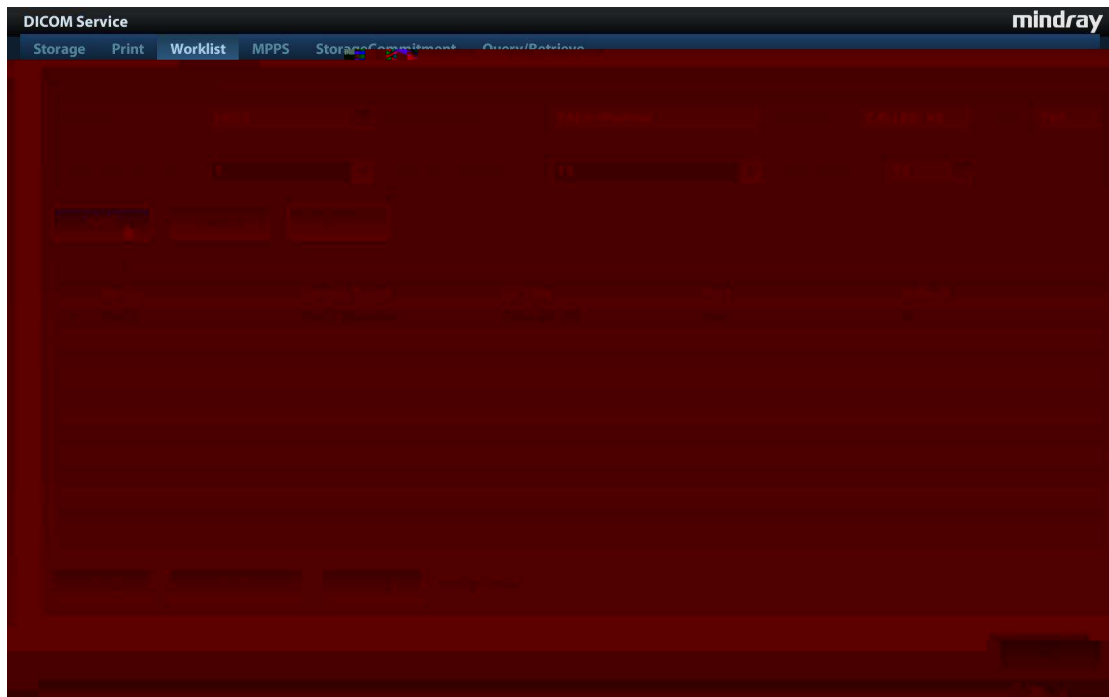


Figure 6 DICOM Worklist Preset Screen

Name	Description
	<input type="checkbox"/>
	<input type="checkbox"/> <input type="checkbox"/>

	—
()	—
()	<input type="checkbox"/>

1.3.4 MPPS Preset

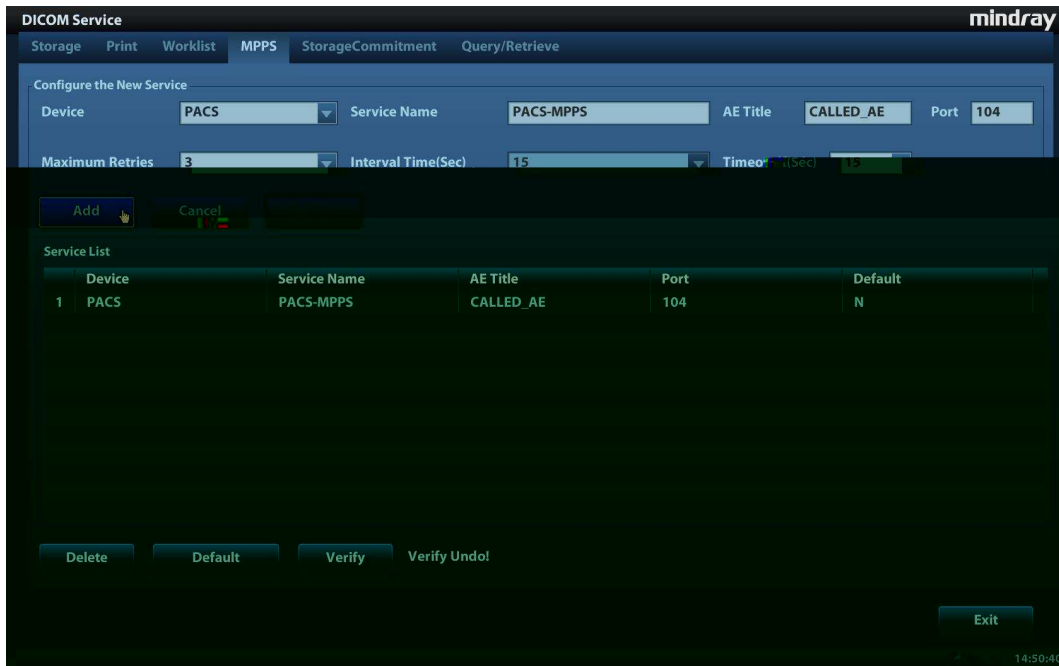


Figure 7

Name	Description
	<input type="checkbox"/>
	<input type="checkbox"/> <input type="checkbox"/>

1.3.6 Query/Retrieve Preset

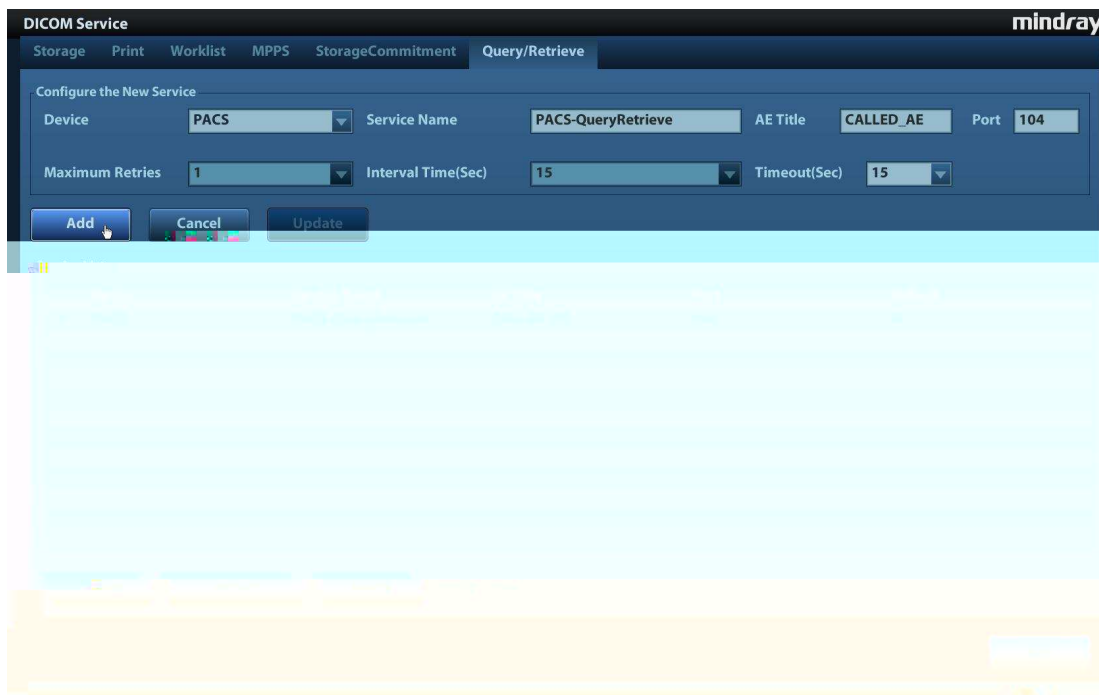


Figure 9

Name	Description
	<input type="checkbox"/>
	<input type="checkbox"/> <input type="checkbox"/>
	—
	—
	<input type="checkbox"/>

2 Services

2.1 Verify Connectivity

2.2 DICOM Storage



2.2.1 Storage Operation

Screen

iStation

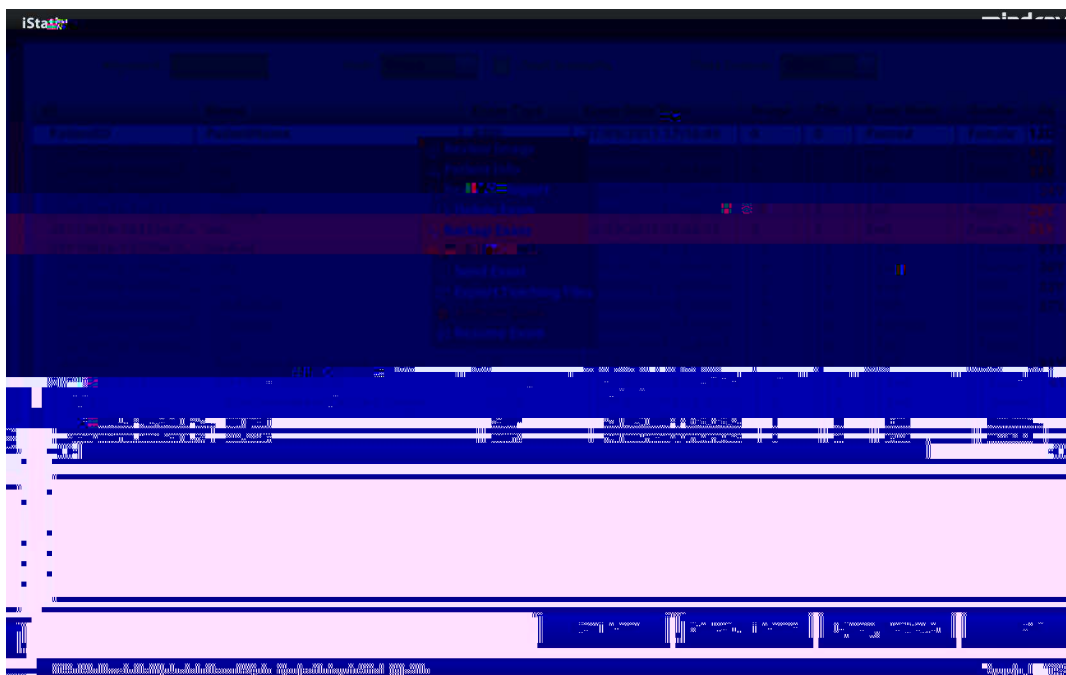


Figure 10

Send To Screen

DICOM

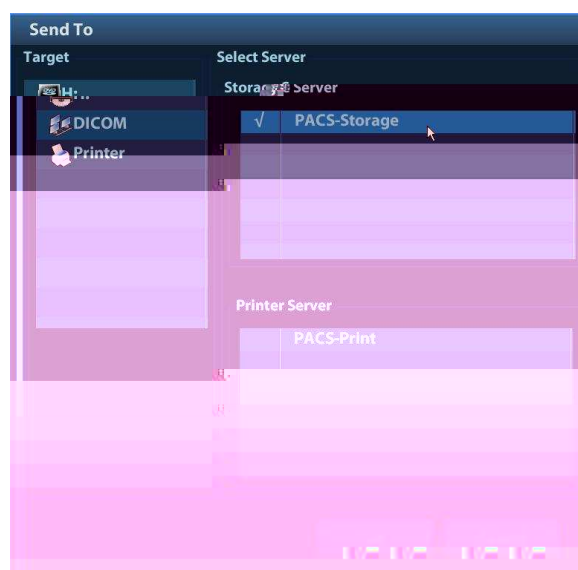


Figure 11



Task Management

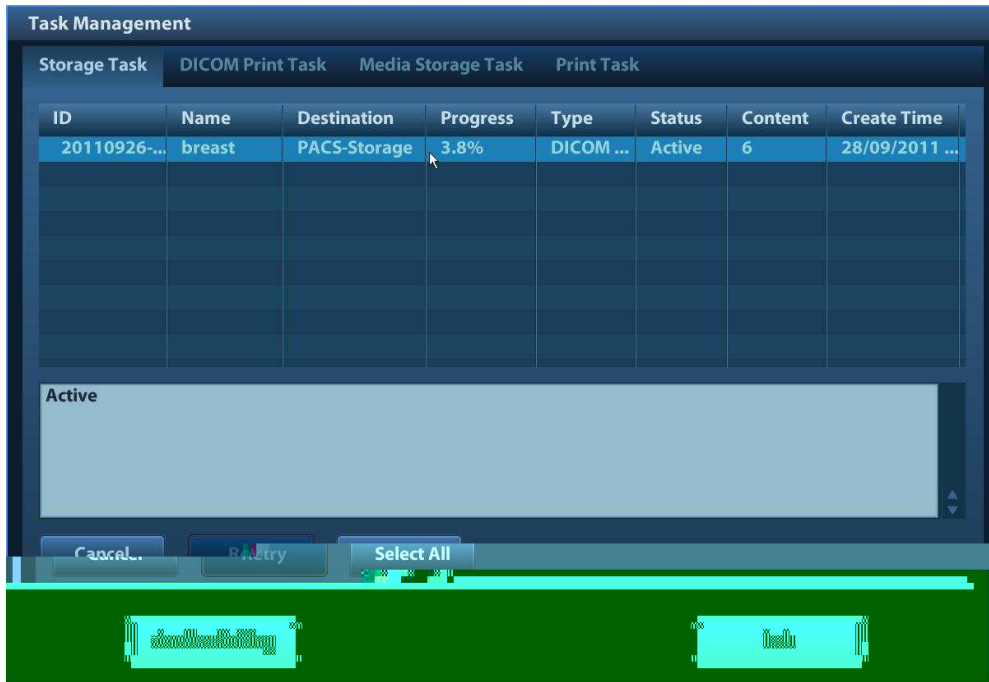


Figure 12

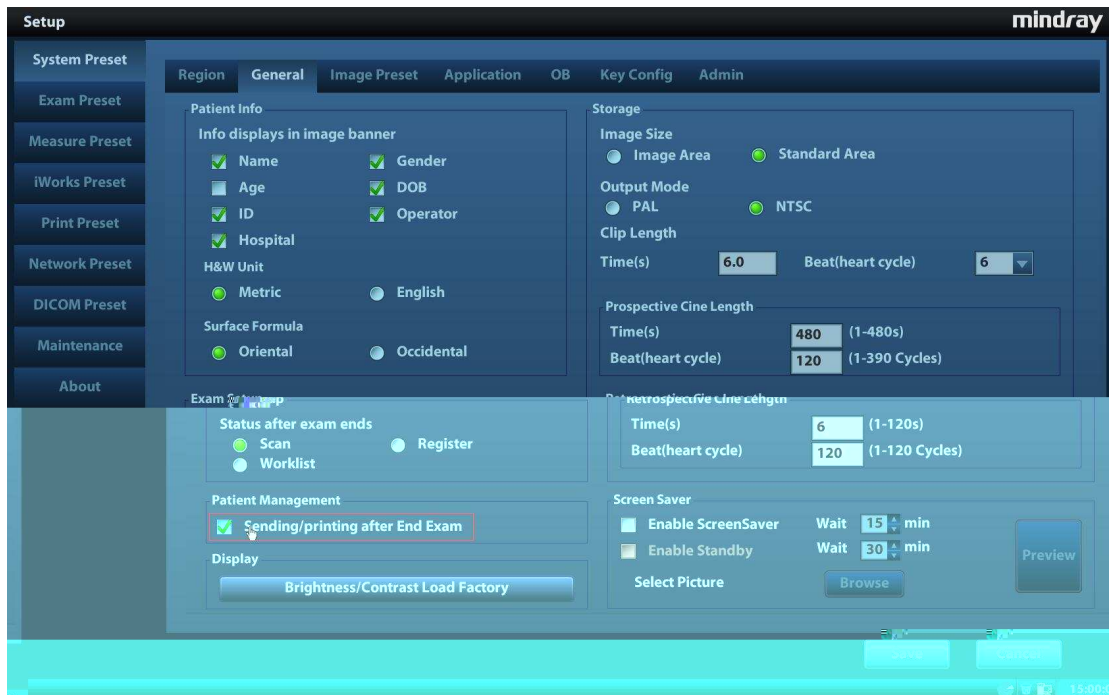


Figure 13

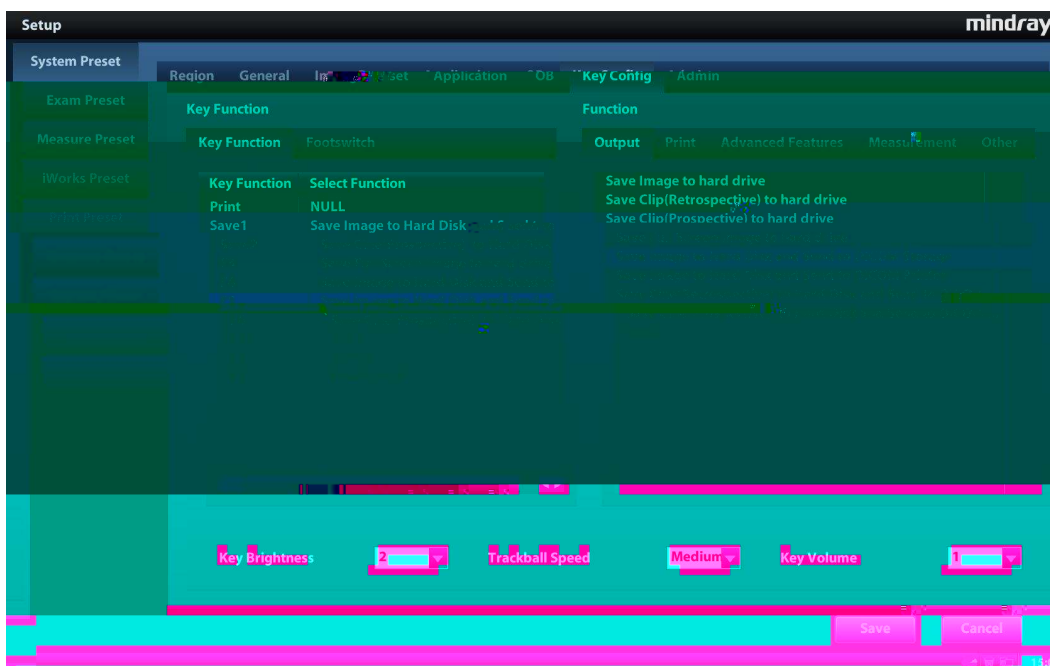
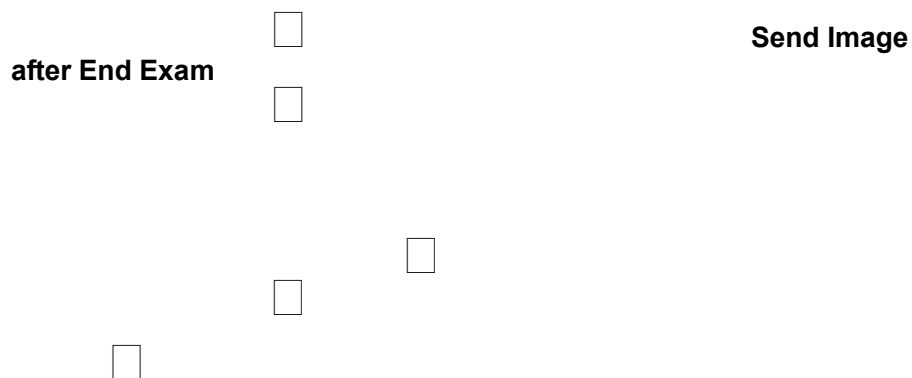


Figure 14 Send to DICOM Storage by User-defined Key

2.2.2 Structured Report (SR)

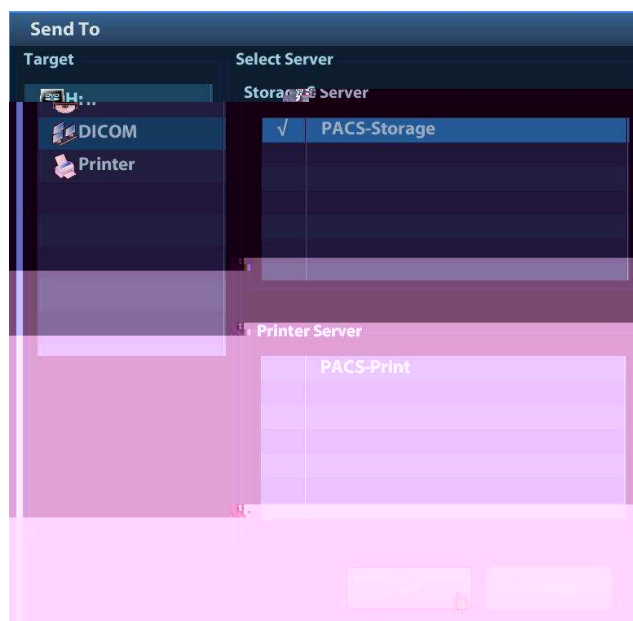
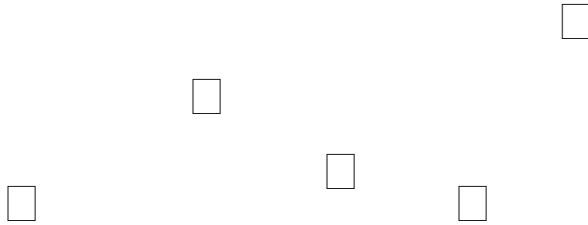


Figure 15 Send To



2.2.3 Encapsulated PDF

2.2.4 3D/4D



2.2.5 Send DCM File

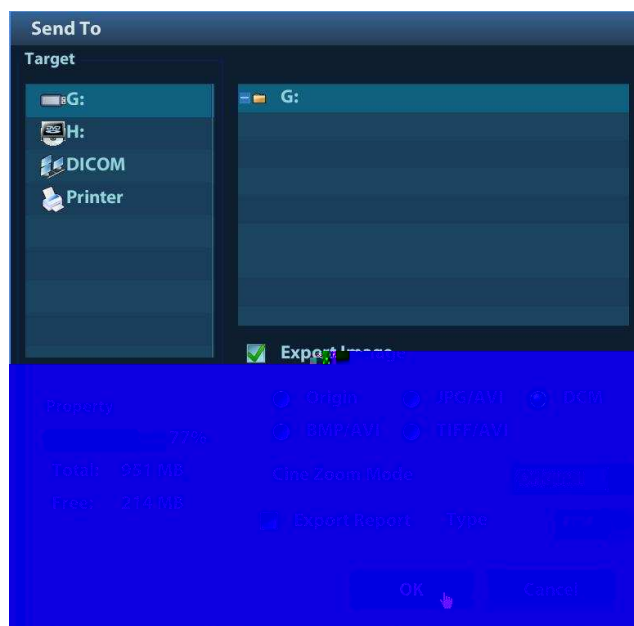


Figure 16 Save as DCM Format



Figure 17 Export Teaching Files



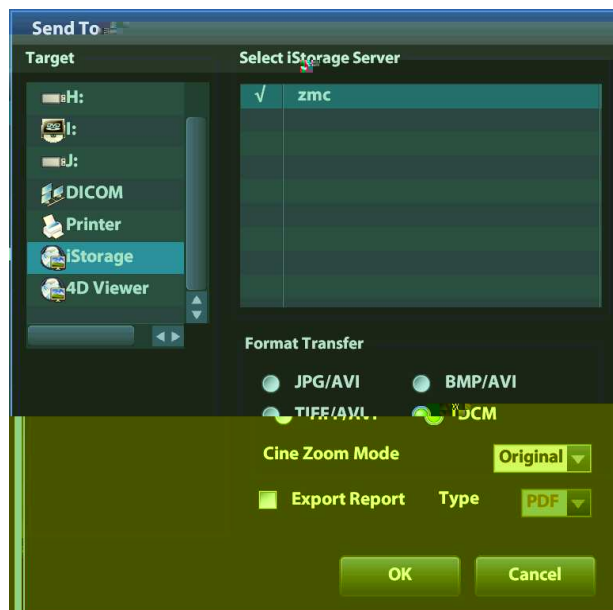


Figure 18 Send to iStorage

2.2.6 Common Reasons of Failure and Troubleshooting



2.3 DICOM Print



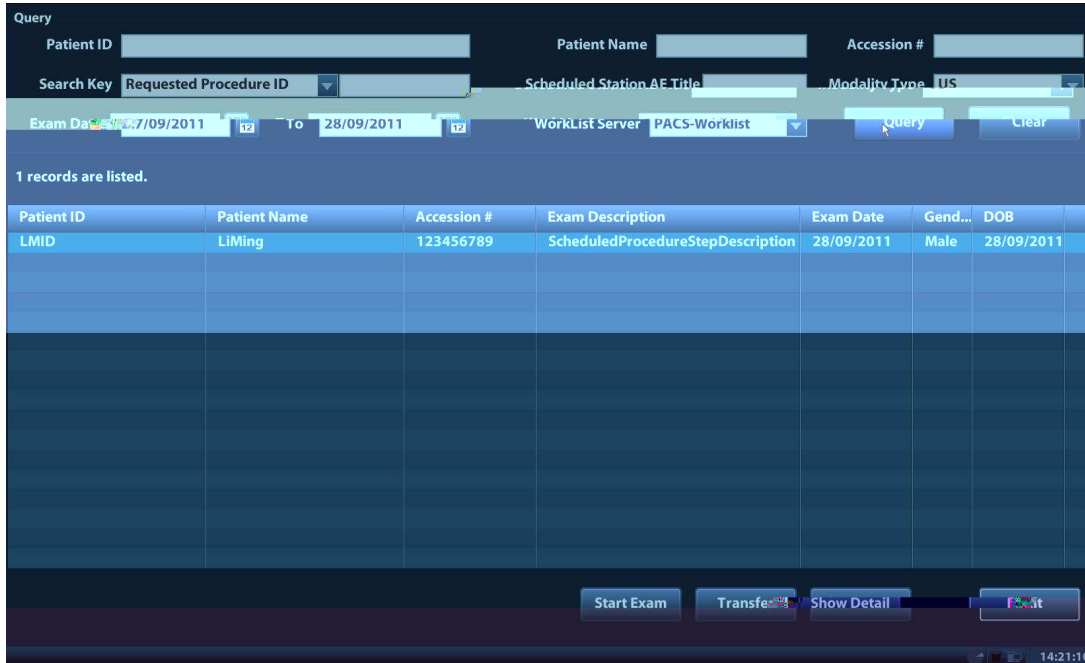


Figure 20 Query in WorkList

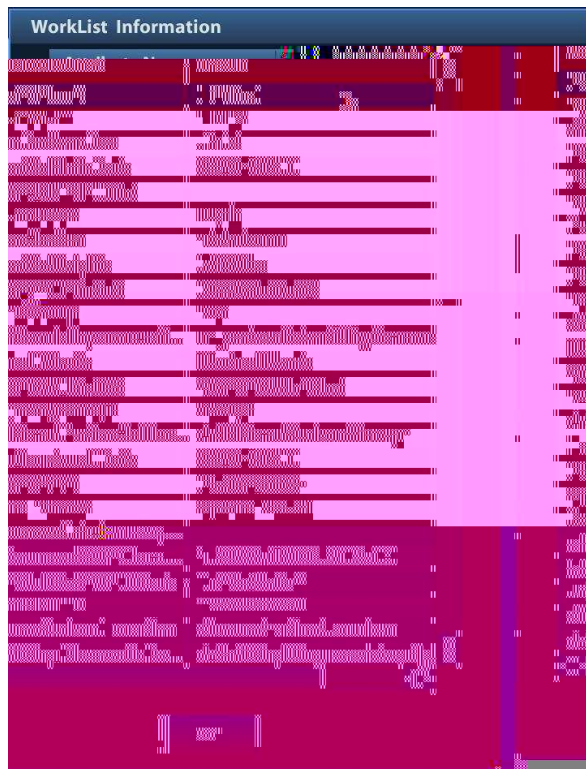


Figure 21 Detailed Information



2.5 MPPS

2.6 Storage Commitment



2.7 Query/ Retrieve





Figure 22 Query

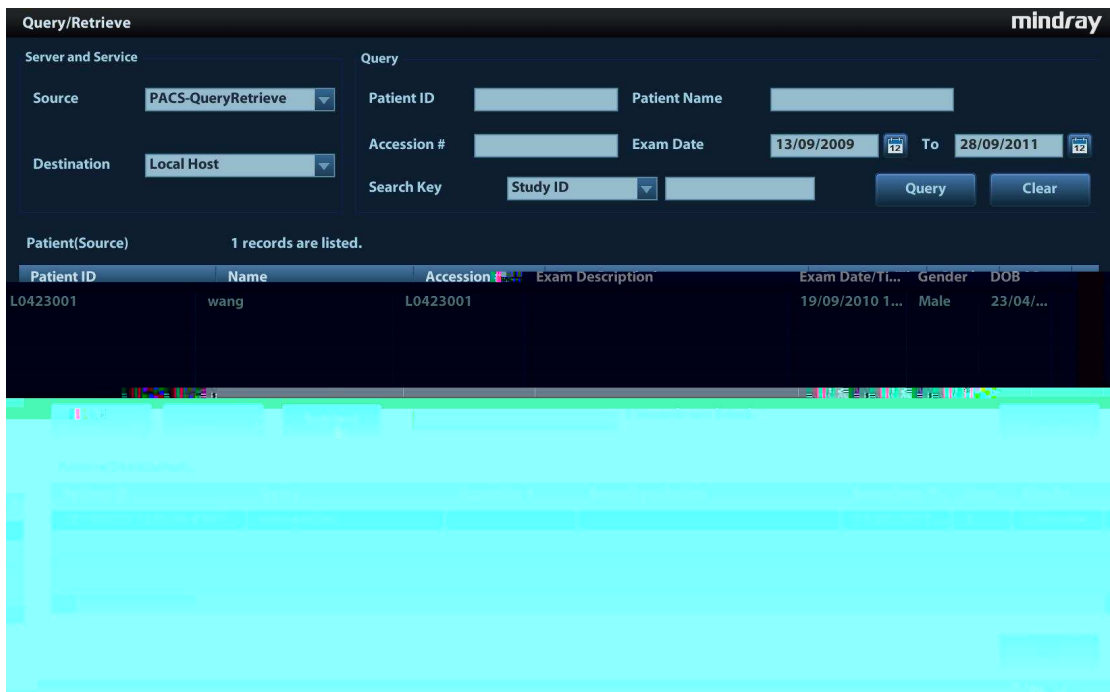


Figure 23 Retrieve

2.7.1 3D/4D Raw Data

2.8 DICOM Media Storage and Review

2.8.1 DICOM Media Storage

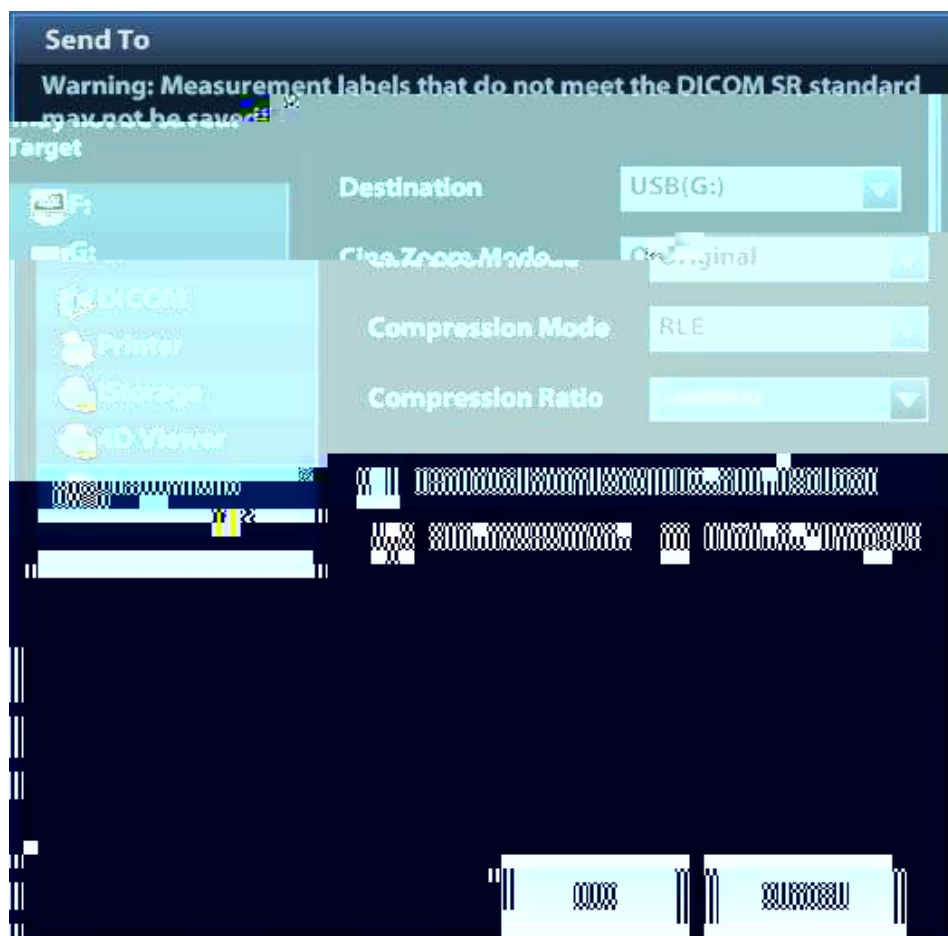


Figure 24 DICOM Format Backup

✓

✓

2.8.2 DICOMDIR Review

2.9 Task Management



DICOM Send To Screen



3 Common Failures and Troubleshooting

3.1 Common Failure: Service Verification Failed

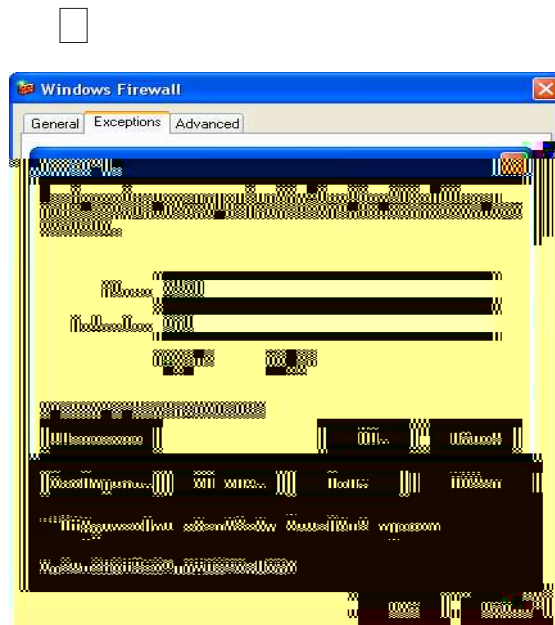


Figure 25 Add a Port

3.2 Common Failure: Server disconnects the ultrasound system during implementing storage



3.5 Common failure: Printing succeeded but the film is blank



3.6 Common Failure: Verification of connecting DICOM printer is succeed but printing is failed



3.7 Common Failure: Printed image is too small

3.8 Common Failure: MPPS message is not sent out correctly or not received by the server

3.9 Common Failure: Storage commitment is failed



3.10 Common Failure: Query is succeeded, but retrieve is failed, with the prompting that the remote server is wrong

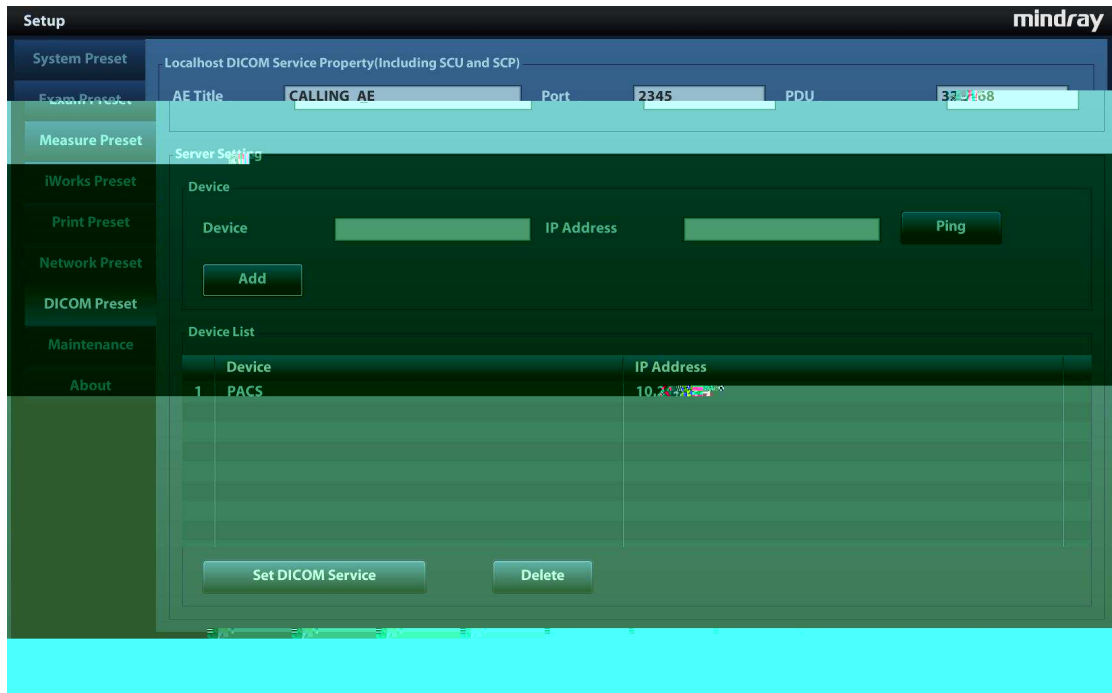


Figure 26

3.11 Common Failure: Error messages in DICOM Task Management

3.11.1 Association aborts

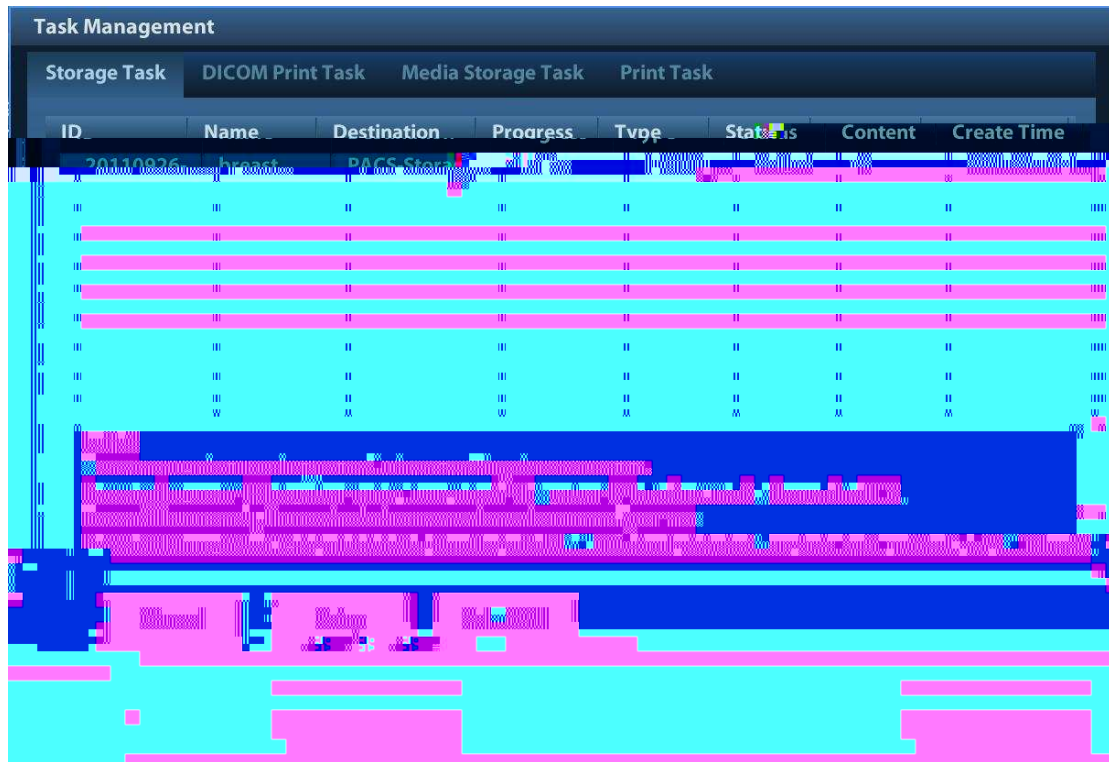


Figure 27 Association aborts

3.11.2 Network error: Socket sending error

3.12 Print Service Examples

3.12.1 Example 1

<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
	<input type="checkbox"/>

The following are the correct settings of the ultrasound system DICOM print preset:

The following are the incorrect settings of the ultrasound system DICOM print preset:

2)

3)

4)



3.12.2 Example 2

being performed with

