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Study List Window

# 4.1 Study List Window

The [Study List] window is the first window that appears on the reference monitor when the system starts up. This window is used to manage studies, such as study registration and deletion, and to start a study.

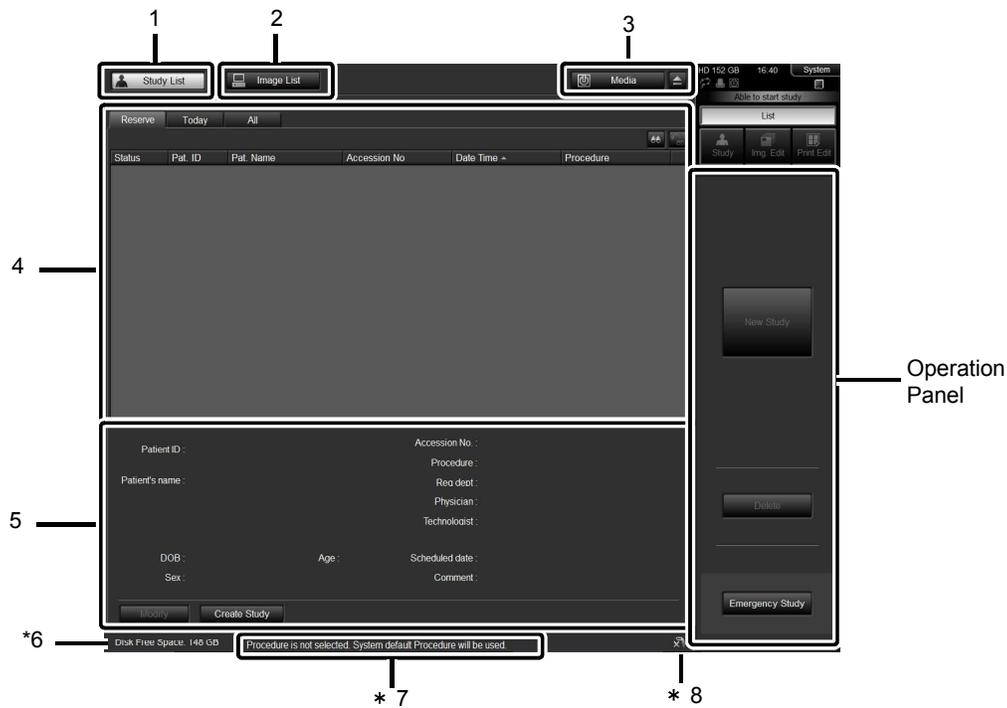


**NOTE**

In this manual, the term "patient" also refers to "subject".

## 4.1.1 Configuration of Study List Window

The [Study List] window shows the list of studies archived on the system. A new study can be registered on the [Study List] window.



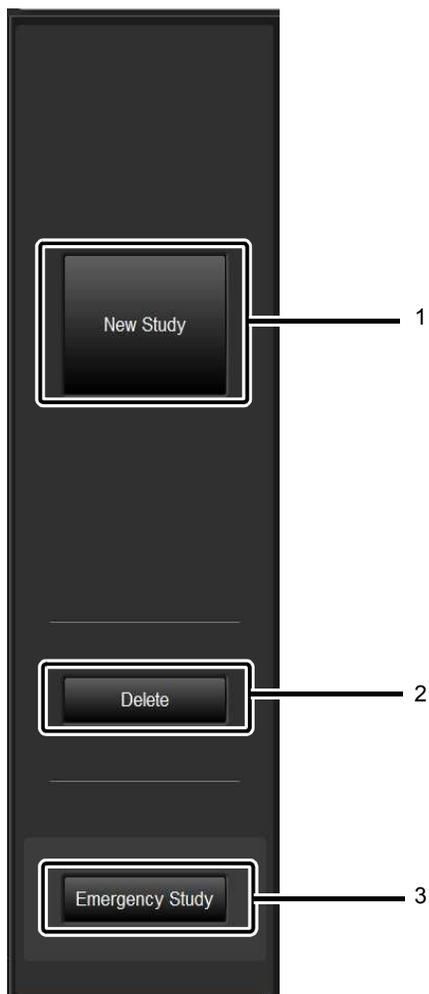
\*\*\* indicates that the appearance changes according to the system state.

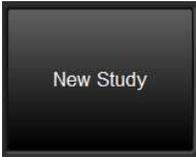
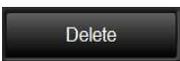
No.	Item	Description
1	Study List	[Study List] Switches to the [Study List] window.
2	Image List	[Image List] Switches to the list of image files saved on the system's hard disk. DR-300 Instruction Manual (Post Processing) 2 "Image List Window"

No.	Item	Description
3	 Media	[Media] Switches to the list of image files saved on storage media.  DR-300 Instruction Manual (Post Processing) 5 "Inputting and Outputting Images"
		Eject button Ejects the storage media.
4	Study list operation area	Displays, filters, delete studies that are categorized in each tab.  4.1.2 "Study List Operation Area"
5	Study information details	Displays patient information details.
*6	Disk free space	Displays the amount of free space on hard disk in the [Study List] window or on the storage media in the [Media] window.
*7	Procedure message	Displays "Procedure is not selected. System default Procedure will be used." when a procedure is not selected for the reserve study selected.
*8		Barcode Reader Undetected Mark Indicates that the barcode reader is not connected, or the system cannot detect the reader, even if it is connected, when the barcode reader option is available. Restart the operation cabinet. The mark appears after restart, contact your Shimadzu service representative.

## ■ Operation Panel of Study List Window

The buttons on the operation panel is used to start or delete a study.



No.	Item	Description
1		[New Study] Starts a new study. The window switches to the [Study] window.  4.3.1 "Starting New Study"
2		[Delete] Deletes a study selected.  4.2.4 "Deleting Registered Study"
3		[Emergency Study] Starts an emergency study. The window switches to the [Study] window.  4.3.3 "Emergency Study"

### 4.1.2 Study List Operation Area

The study list operation area is used to display, select, delete, sort and filter studies.

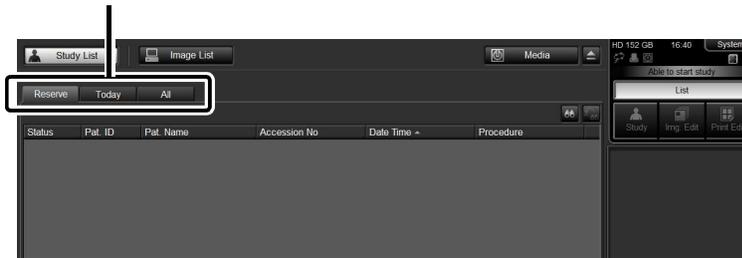


No.	Item	Function
1	Tabs	Switches the study status.  4 "■ Switching the Study Status" P.4-6
2	Item	Displays the Status, Patient ID, Patient's name, Accession No, Date Time and Procedure. Clicking item sorts the list in ascending or descending order. The width of each item can be resized by dragging the boundary between each item.  4 "■ Sorting the Study List" P.4-6
3	Study List	Displays the list of studies.
4		Filter button Filters the study list.  4.4.1 "Starting Filtering"
5		Filter Cancel button Cancels filtering.  4.4.2 "Cancelling Filtering"

## Switching the Study Status

To switch to other study status, click the desired tab.

Click a tab to switch between study status.



Tab Name	Description
Reserve	Display the list of studies registered as reserved.
Today	Display the list of studies that ends today.
All	Display the list of studies ended.



When the MWM options are available, the MWM tab appears.

 4.5 "MWM (option)"

## Sorting the Study List

The study list can be sorted in ascending or descending order. The two orders can be switched by clicking it again.



- When the study list is opened, the list is sorted in the study registration order. A new study will be added to the top of the list.
- Patient's names are sorted in the character code.

## Scrolling the List of Patients

When the study list cannot be fully displayed on the screen, the scroll bar appear the right or bottom of the list. Use them to scroll the list.

### 4.1.3 Study Information Details

The study information details is used to display or modify study information of a study selected in the study list, and to create a new study.



No.	Item	Function
1	Study information details	Displays study information details.
2		[Modify] Modifies study information.  4.2.3 "Updating Study Information"
3		[Create Study] Creates a new study.  4.2.1 "Registering New Study"

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## 4.2 Operations on Study List

This section describes operations on the [Study List] window, such as registering a new study, and selecting, updating, copying, and deleting a study from the study list.



Operations performed on the [Today] tabs are also reflected on the [All] tab.

### 4.2.1 Registering New Study

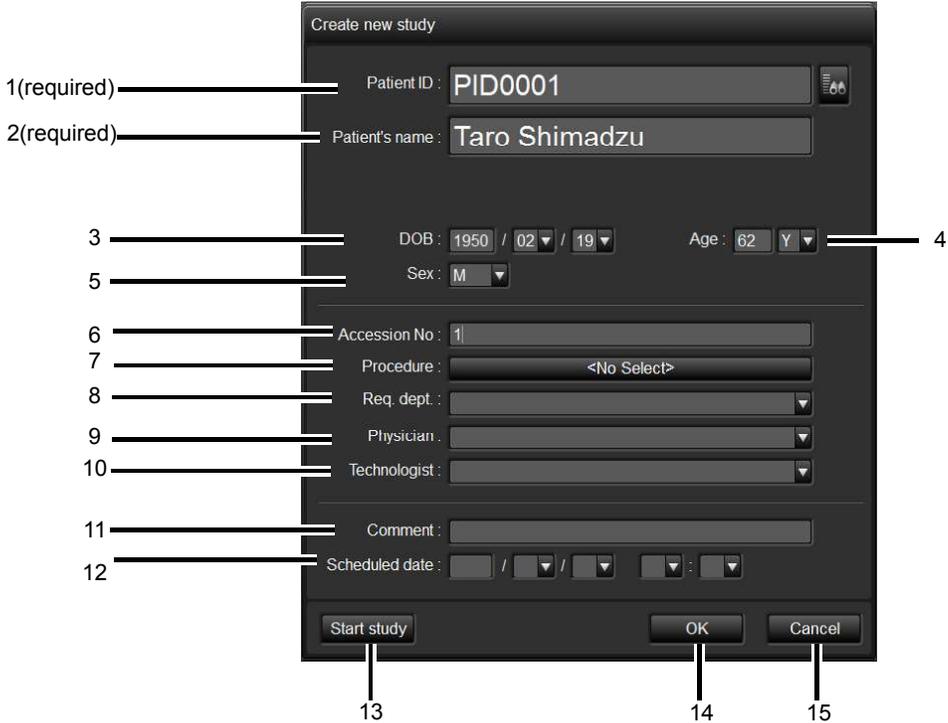
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A new study will be registered in the [Reserve] tab.

- 1 Click [Create Study] in the [Study List] window.



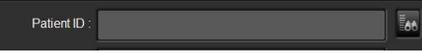
2 The [Create new study] window appears. Enter required items, such as [Patient ID] and [Patient's name].

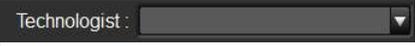
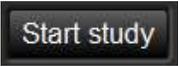


 NOTE

The patient ID and patient's name must be entered. For example, if the patient ID has not been entered, the following window appears. Be sure to enter them.



No.	Item	Function
1 (required)		<p>[Patient ID], Complement button  Enters new patient ID or display registered it. Up to 64 characters can be entered.  Clicking  searches patient registered in the system by the Patient ID, and complements other patient information.   4 "■ Complementing the information by the Patient ID" P.4-13</p>
2 (required)		<p>[Patient's name]  Enters the patient's name or display registered it.   4 "■ Patient's name" P.4-13</p>
3		<p>[DOB]  Enters dates of birth or display it of birth of registered patients.   4 "■ Entering the Date of Birth" P.4-15</p>
4		<p>[Age]  Enters the patient's age or display registered it.   4 "■ Displaying age:" P.4-15</p>
5		<p>[Sex]  Selects the sex or display registered it.   4 "■ Selecting sex:" P.4-17</p>
6		<p>[Accession No.]  Enters the accession No. The accession No. cannot be entered from the MWM. Up to 16 characters can be entered.</p>

No.	Item	Function
7		<p>[Procedure]                      Selects a Procedure or display the Procedure registered in the Procedure presets. Click "&lt;No Select&gt;" to select the desired Procedure for a new study.                      If a procedure is not selected here, the default procedure is used for a study. The [Select Procedure] window can be displayed on starting a study for procedure selection.                      A procedure can be selected after study start.</p> <p> 4 "■ Selecting Procedure" P.4-18   9.2 "Editing Procedure Presets"</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;"> <b>NOTE</b></p> <p>Contact your Shimadzu service representative for default settings.</p> </div>
8		<p>[Req dept]                      Selects a request department registered in the presets from the list or display it.</p> <p> 9.3 "Requesting Department Preset"</p>
9		<p>[Physician]                      Selects a physician registered in the presets from the list or display it.</p> <p> 9.4 "Physician's Name Presets"</p>
10		<p>[Technologist]                      Selects a technologist registered in the presets from the list or display it.</p> <p> 9.5 "Technologist's Name Presets"</p>
11		<p>[Comment]                      Enters comments. Up to 64 characters can be entered.</p>
12		<p>[Scheduled date]                      Enters the scheduled date.</p> <p> 'Entering the Scheduled Date' on page 4-19</p>
13		<p>[Start Study]                      Starts a study. The [Study] window appears.</p> <p> 4.3.1 "Starting New Study"</p>

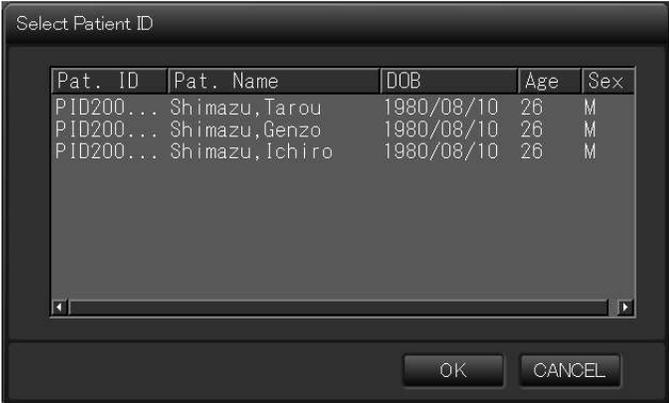
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No.	Item	Function
14		[OK] Creates the study with entered values.
15		[Cancel] Discards entered values. The [Create New Study] window closes.

**■ Complementing the information by the Patient ID**

After entering the Patient ID, clicking  searches patient information registered in the system by the Patient ID, and then complements the patient information.

- When only one patient is found, the patient information is completed.
- When multiple patients are found, the following [Select Patient ID] window appears. Select one patient whose information is used for completing the information.

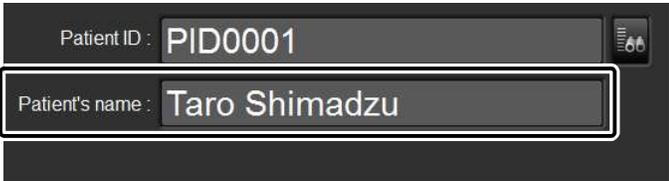


**■ Patient's name**

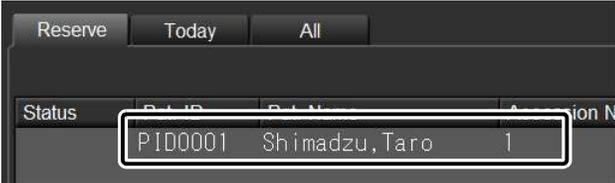
Used to enter a patient's name or display a registered patient's name. When entering the patient's name, use alphanumeric, underbar "\_", hyphen "-" and space ". Separate the first name, last name, middle name, etc. with a space. The system recognizes the first word as the first name and the last word as the last name. When entering only one word, the system recognizes it as the first name.

After the patient is registered, its name is displayed in [Reserve] tab in the following order: the last name, the first name, the middle name.

- **Example**
- Enter "Taro Shimadzu" in the patient's name field.



After registering this patient, the name is displayed in [Reserve] tab as "Shimadzu,Taro".



- Enter "Taro Kran Shimadzu" in the patient's name field.



Patient ID : PID0002

Patient's name : Taro Kran Shimadzu

After registering this patient, the name is displayed in [Reserve] tab as "Shimadzu,Taro Kran".



Status	Pat. ID	Pat. Name	Accession No
	PID0001	Shimadzu,Taro	1
	PID0002	Shimadzu,Taro Kran	2



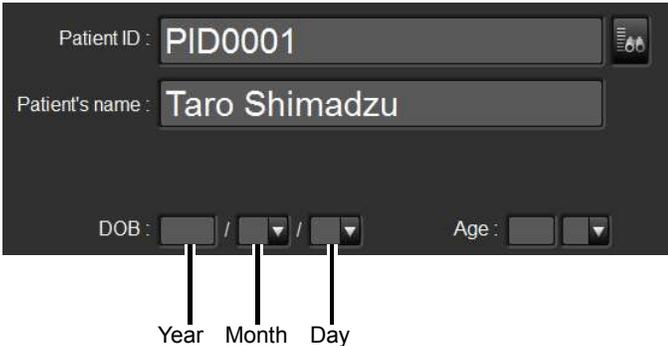
Up to 64 characters including spaces can be entered in the patient's name field.

**■ Entering the Date of Birth**

Directly enter the year.

Enter the date (year/month/day) by selecting it from the list or enter it directly.

- When the menu is hidden from view, scroll the menu for selection.



**Entering the year:**

Directly enter the year according to the calendar year.

**Selecting the month, day:**

Select a month and a day from the list, or directly enter.

**■ Displaying age:**

When the date of birth is entered, the patient's age is automatically calculated and displayed.

- Automatically display  
After entering the date of birth, move the cursor to the age field. The patient's age is automatically calculated and displayed.
- Directly enter  
The patient's age can be directly entered without entering the date of birth. Enter age and select unit. If you do not select a unit, [Y] is selected automatically.

Selecting Unit

- From the list:  
Select a unit in the list.



- Direct entry:

Move the cursor to the age field and enter the either Initial below. The corresponding unit is set.

Initial	Description
Y	Year
M	Month
W	Week
D	day



The unit of the age automatically calculated from the date of birth is automatically selected as follows by age.

- 0 to 20 days old: Day
- 21 days old to less than 2 months old: Week
- 2 months old to less than 2 years old: Month
- 2 years old or older: Year

When the unit automatically selected is changed, not meeting the rule above (for example, when "Year" is selected for the patient of 12 months old), and clicking [OK] of the [Create New Study] window, the following windows appears and the study cannot be started.



**■ Selecting sex:**

- Selecting from list:  
Select the sex in the list.



- Direct entry:  
Enter either initials in the sex field. The corresponding sex is set.

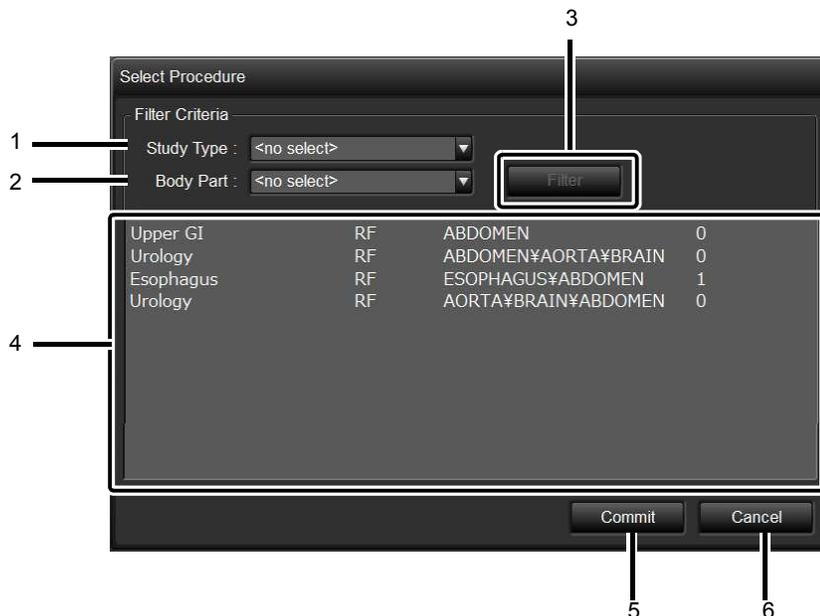
Initial	Description
M	Male
F	Female
O	Other

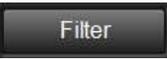


## ■ Selecting Procedure

A desired procedure can be selected for a new study on creating it.

- 1 Click **<No Select>** on the [Create New Study] window.  
The procedures that have been registered in the [Procedure Preset Edit] window appears.



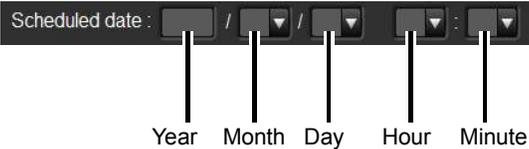
No.	Item	Function
1	Study Type	Filters procedures by the study type (RF, XA, DX, CR). Select the desired study type in the list. The <no select> cancels the filtering.
2	Study Parts	Filters procedures by the study part. Select the desired study type in the list. The <no select> cancels the filtering.
3		[Filter] Starts filtering.
4	Procedure List	Displays procedures that have been registered in the [Procedure Preset Edit] window or filtering result after filtering.  9.2 "Editing Procedure Presets"
5		[Commit] Decides the procedure to be used for a new study. The [Procedure Preset Edit] window closes and the [Create New Study] window returns.
6		[Cancel] Closes the [Procedure Preset Edit] window without selecting the procedure for a new study.

- 2 Select a procedure for a new study by either one of the following methods:
  - Select a procedure without filtering  
Click a desired procedure in the procedure list and click [Commit].

- Select a procedure by filtering  
Select a desired study type or a study part from each list and click [Filter]. The result is displayed in the Procedure list. Select desired one and click [Commit].
- A procedure can be decided by double-clicking it.
- In order to cancel filtering, select "<no select>" from both list of [Study Type] and [Study Part] and click [Filter]. All registered procedure is displayed in the Procedure List.

**■ Entering the Scheduled Date**

💡 When the menu is hidden from view, scroll the menu for selection.



**Selecting Year, month and day:**

Refer to Entering the Date of Birth.

👉 'Entering the Date of Birth' on page 4-15

**Selecting hour and minute:**

Select them from the list or directly enter.

3 Click [OK].

Create new study

Patient ID: PID0001

Patient's name: Taro Shimadzu

DOB: 1950 / 02 / 19 Age: 62 Y

Sex: M

Accession No: 1

Procedure: <No Select>

Req. dept.: [Dropdown]

Physician: [Dropdown]

Technologist: [Dropdown]

Comment: [Text Area]

Scheduled date: [Date Picker]

Start study OK Cancel

The list of patients is newly created, and is displayed in the fields on the [Reserve] and [All] tabs.

The list of patients is displayed in the fields on the [Reserve] tab.

Study List Image List Media

Reserve Today All

Status	Pat. ID	Pat. Name	Accession No	Date Time	Procedure
	PID0001	Shimadzu, Taro			

Patient ID: PID0001 Accession No.: 1

Patient's name: Taro Shimadzu Procedure:

DOB: 1950 / 02 / 19 Age: 62Y Scheduled date:

Sex: M Technologist:

Modify Create Study

Disk Free Space: 143 GB Procedure is not selected. System default Procedure will be used.

New Study

Delete

Emergency Study



- When patient information is registered for the same patient ID but using a different patient's name, the confirmation window appears.
- When patient information is registered for the same patient's name but using a different patient ID, a new list of patients is displayed.

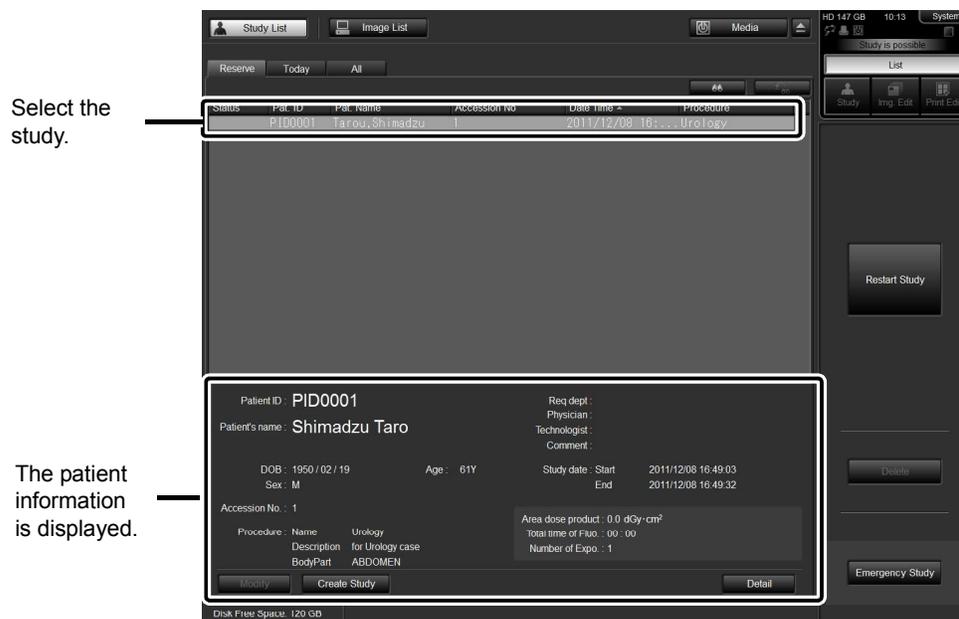
 If [New Study] is clicked instead of [Register], a new patient is registered and study can be begun with that patient.  
 [4.3.1 "Starting New Study"](#)

## 4.2.2 Checking Study Information

The study information can be checked.

### How to check the reserved study

- 1 Click [Reserve] tab and the desired study  
The background color of the selected study is changed.  
The patient information is displayed in the patient information list.

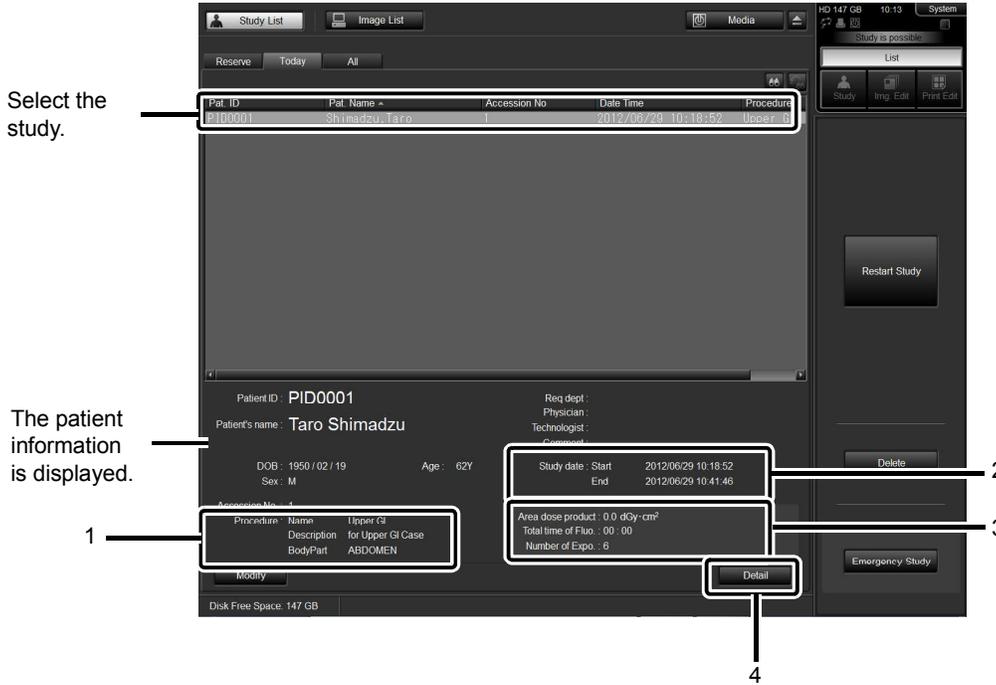


Click [Modify] to modify the information.

 4 "■ Updating Reserved Study" P.4-25

**How to check the performed study**

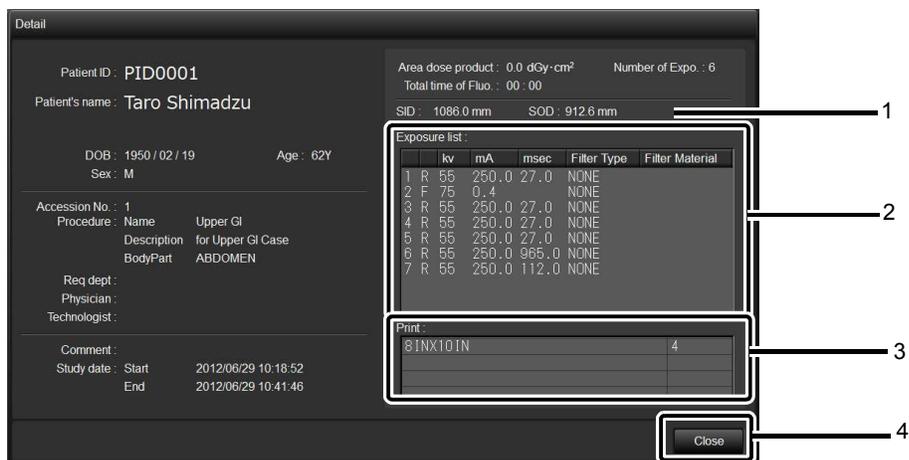
- 1 Click [Today] or [All] tab and the desired study  
 The background color of the selected study is changed.  
 The patient information is displayed in the patient information list.  
 The information registered at reservation and performed study contents is displayed.



No.	Item	Function
1	Procedure	Displays the name of the procedure, description, and body part at study execution. When the study is performed using a plurality of procedures, the conditions of the procedure used last are displayed.
2	Study date	Displays the study start and end date and time.
3	Study Information	Display the total dose (Dose area product), the time of fluoroscopy, and the number of exposure of the performed study.
4		[Detail] Opens the [Detail] window which shows the study information details.

2 Click **Detail** to show the information details.

The [Detail] window appears. Performed study details are displayed in addition to the contents in the [Study List] window.



No.	Item	Function
1	SID/SOD	Displays SID/SOD at radiography.
2	Exposure List	Displays kV, mA, msec of performed study. F: Fluoroscopy R: Radiography
3	Print	Displays print condition during study in the format below: • Printed film size   Number of print in that size Example) 14x17   3
4	<b>Close</b>	[Close] Closes the [Dental] window.

Click [Close] after checking details. The [Details] window closes and the [Study List] window returns.

Click [Modify] to modify the study information.

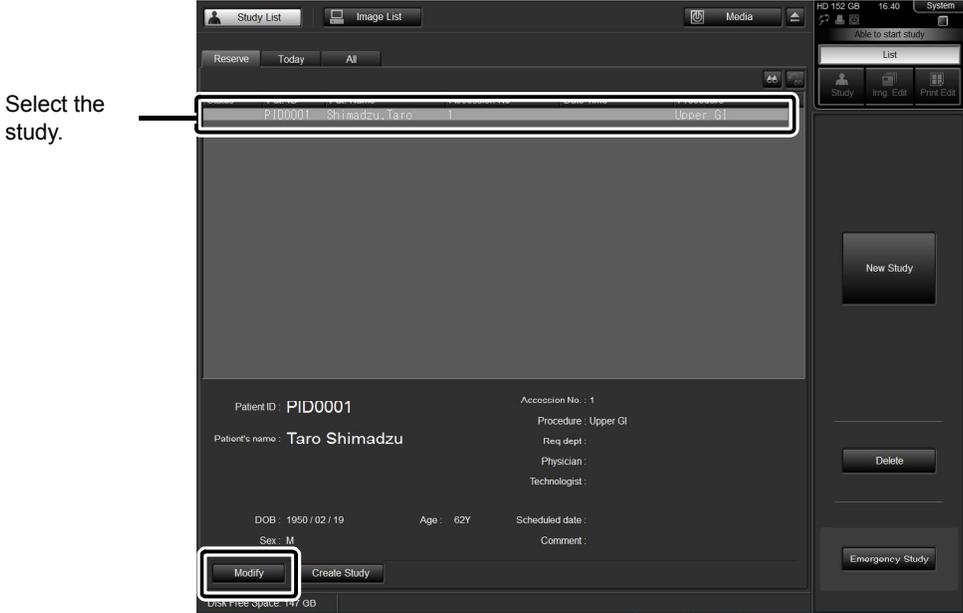
 4 "■ Updating Performed Study" P.4-27

### 4.2.3 Updating Study Information

The information of reserved or performed study can be added or modify and updated.

#### ■ Updating Reserved Study

- 1 Click [Reserve] tab and the desired study, and then [Modify].



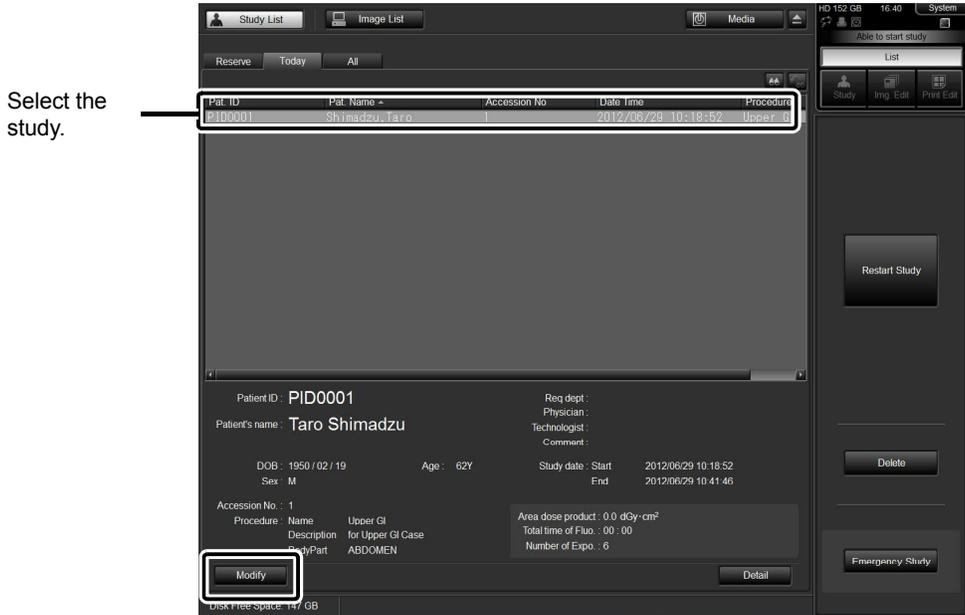
- 
- 2 The [Edit] window appears. Add to or correct the information of the registered study.  
👉 4.2.1 "Registering New Study"



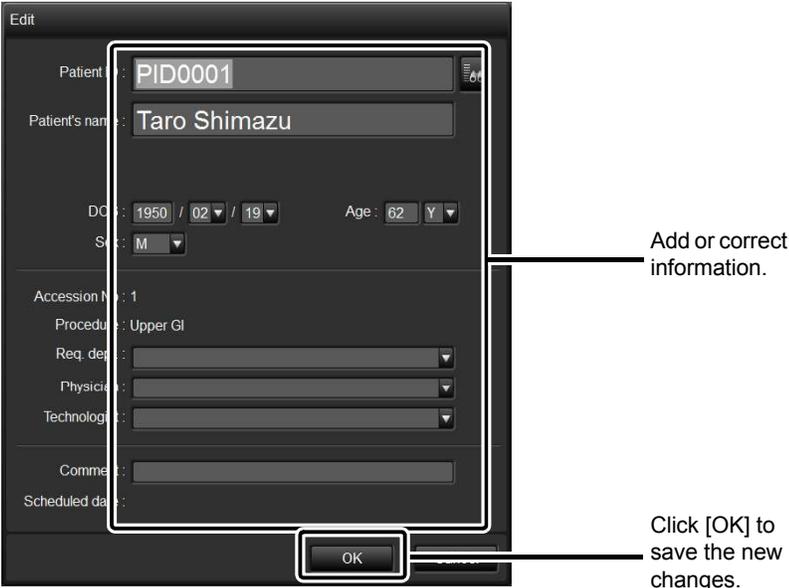
- 3 Click [OK].  
The reserved study information is updated. The [Study List] window returns.

Updating Performed Study

1 Click [Today] or [All] tab and the desired study, and then [Modify].



2 The [Edit] window appears. Add to or correct the information of the registered study. 4.2.1 "Registering New Study"

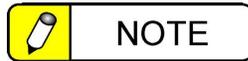


3 Click [OK].  
The reserved study information is updated. The [Study List] window returns.

## 4.2.4 Deleting Registered Study

Delete a study from the [Study List] window.

 The study can be deleted from the [Reserve], [Today] and [All] tabs. The study deleted from the [Today] tab is also deleted from [All] tab.



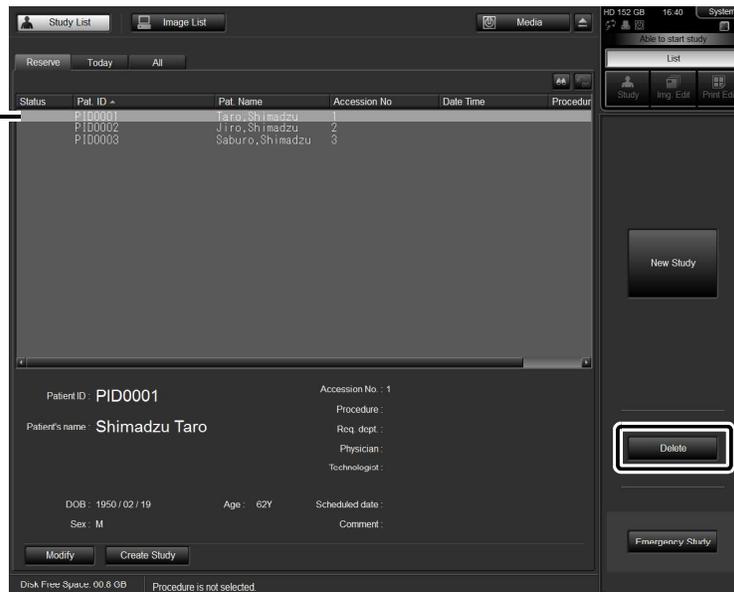
Once a list is deleted, it cannot be recovered. So, thoroughly check that the information may be deleted before deleting it.

- The following describes how to delete a list of examined patients on the [Reserve] tab.

1 Click the list of patients to delete from the [Study List] window.

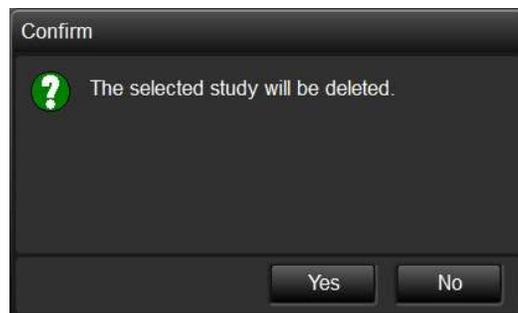
The list is displayed inverted.

The list is displayed inverted.



2 Click [Delete].

The [Confirm] window appears.



- 3 Click either [Yes] or [No].  
Click [Yes] to delete the patient information.  
Click [No] to cancel the deletion, and the [Confirm] window closes.

 You can select and delete multiple lists of patients arranged continuously in a block by holding down the Shift key. You can select and delete multiple lists of patients that are not arranged continuously by holding down the Ctrl key.

## 4.3 Starting Study

The study can be started by either one of the following methods:

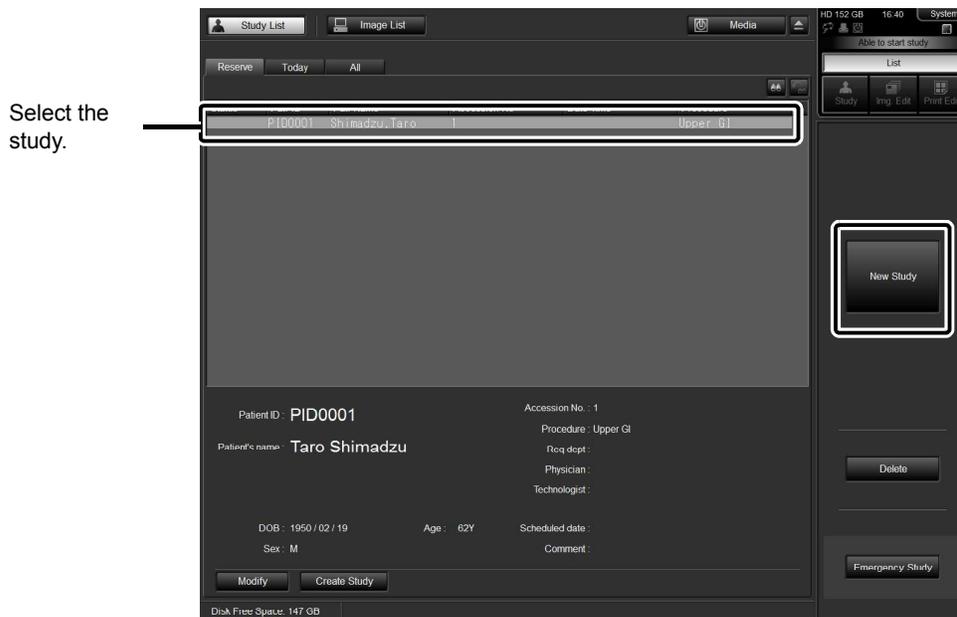
- Start a new study.
- Restart a performed study.
- Start a emergency study.

This section describes these method.

### 4.3.1 Starting New Study

#### 1 Start a new study by either method:

- Create a new study and click [New Study].  
 4.2.1 "Registering New Study"
- Select a reserved study or MWM-registered study and click [New Study].



-  Usually, only one study can be started at one time. However, a plurality of study having the identical information on the patient name / patient ID / sex / date of birth can be started simultaneously clicking and selecting them simultaneously.  
Contact your Shimadzu service representative to change the matching information above.

The window switches to the [Study] window.

-  5.1 "Study"

### 4.3.2 Restarting Study

The performed study can be restarted under the conditions below:

- Addition image acquisition is required after study has ended on the current day, which is displayed in [Today] or [All] tab.
- The suspended study is restarted.

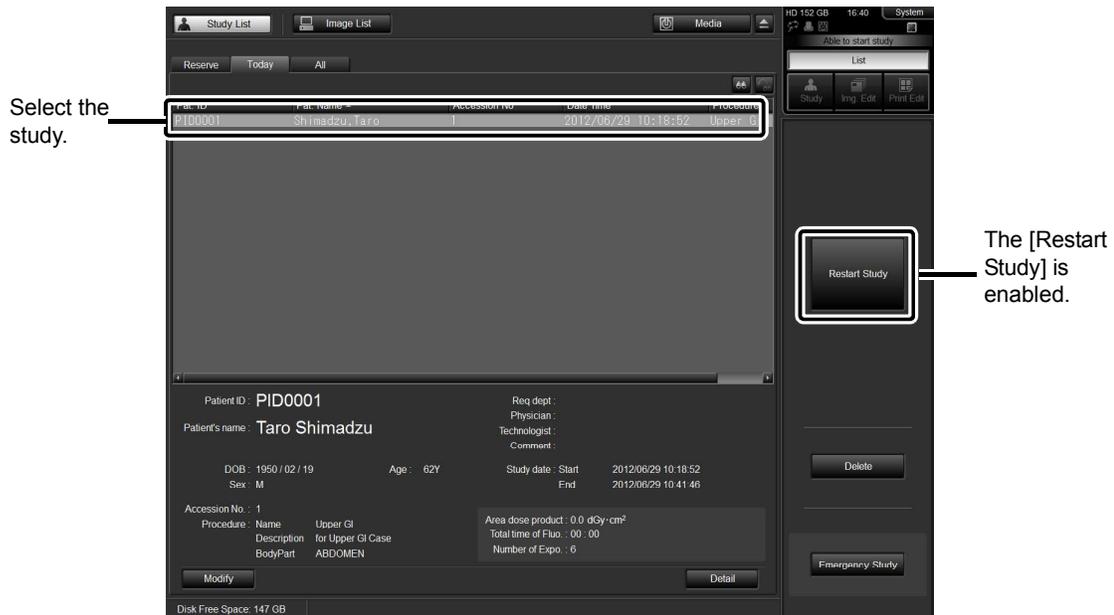


The abnormal termination study, which shows "Error" on the [Status] on the [Reserve] tab, cannot be restarted.

4

#### Restarting Study in [Today] or [All] tab

- 1 Click [Today] or [All] tab.
- 2 Select the desired study that has ended on the current day. The [Restart Study] is available.



- 3 Click [Restart Study].  
The window switches to the [Study] window.  
👉 5 "Study"

## Restarting Suspended Study

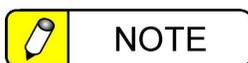
- 1 Click [Reserved] tab and select the suspended study.  
The list is displayed inverted, and [Restart Study] is enabled.



- 2 Click [Restart Study].  
The window switches to the [Study] window.

 5 "Study"

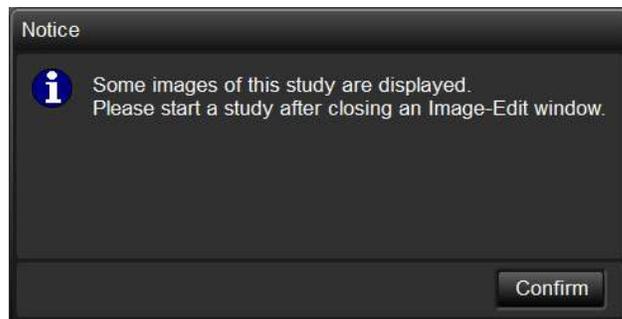
 With this function, acquired images are added to the restarted study. Acquired images before the study is restarted also can be referenced.



While the images are displayed in the image-Edit Window, the study that contains those images cannot be restarted and the following window appears.

Close the image-Edit Window before restarting the study.

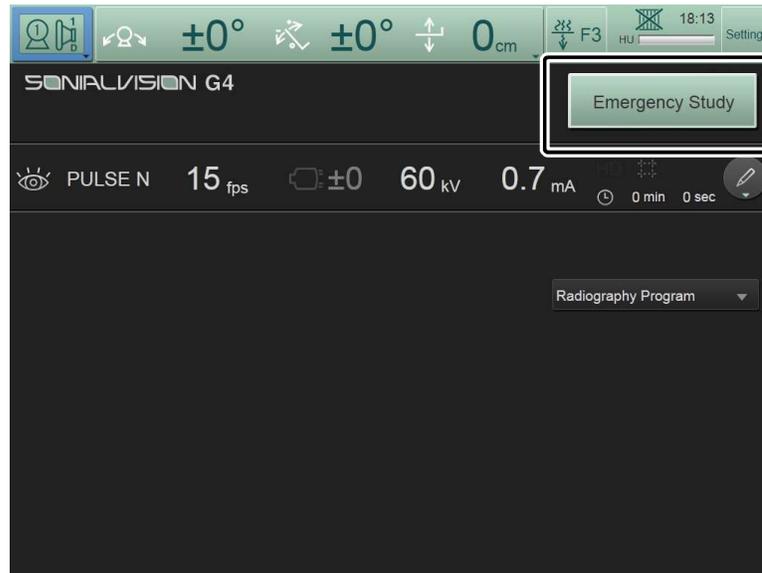
 DR-300 Operation Manual (Post Processing) 3.1.2 "Closing the Image-Edit Window"



### 4.3.3 Emergency Study

At emergency studies for emergency patients, etc., a emergency study can be started with automatically generated information.

- 1 Press [Emergency Study] on the touch panel or click [Emergency Study] in the [Study List] window.



Touch Panel



Reference Monitor

The window switches to the [Study] window. The patient ID and patient's name are automatically input.

- 5 "Study"

4

- For an emergency study, the patient ID and patient's name are automatically generated as follows.

Item	Function
Patient Last name	The Patient Last Name is generated using the year/month/date at emergency study start. LN+ year/month/date Example) September 3, 2012, Patient Last Name will be LN20120903.
Patient First name	The Patient First Name is generated using the hour/minute/second at emergency study start. FN+hour/minute/second Example) September 3, 2012, Patient Last Name will be FN141530.
Patient ID	The patient ID is generated using the year/month/date-hour/minute/second at emergency study start. Example) 14:15:30 on September 3, 2012, Patient ID will be EPID20120903-141530.



- The ended emergency study is displayed in the [Today] and [All] tabs. In order to edit the information of the emergency study, select it and click [Modify] at the button of the window.

 'Updating Performed Study' on page 4-27

The [Revise patient information] of the [Image List] window can also edit patient information.

 DR-300 Operation Instruction (Post Processing) 2.3.5 "Revising Patient Information"

- The procedure for emergency study has been set by service setting.



When the [Emergency Study] is clicked during entry or display of patient information, the currently entered or displayed patient information is discarded. The [Emergency Study] begins with the patient ID and patient's name automatically generated exclusively for the study.

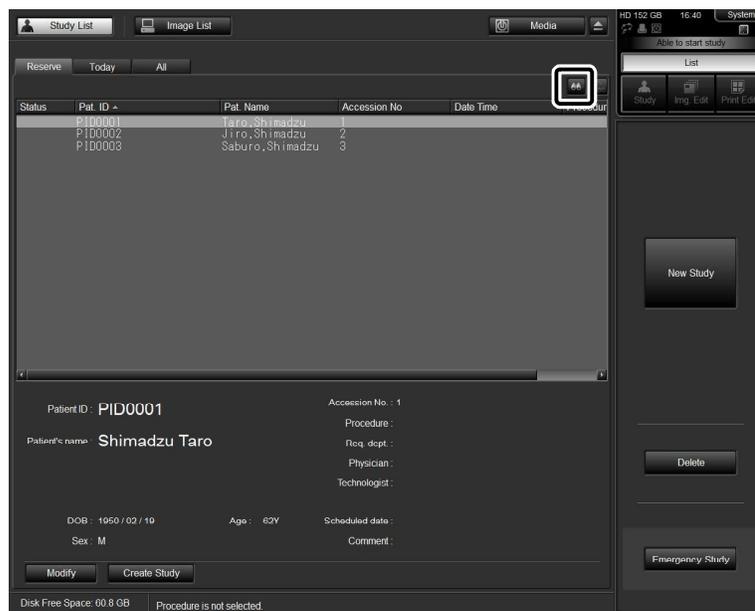
## 4.4 Filtering

The filtering function allows user to find the target study quickly. Even when a part of patient ID and name are unknown, a wild card (\*) matching allows user to find patients matching the criteria specified.

 The filtering result is displayed for each tab. The filtering is also available in the [MWM] (option) tab.

### 4.4.1 Starting Filtering

1 Click .



The [Filter condition settings] window appears.



Refer to DDR-300 Operation Instruction (Post Processing) 2.4 "Filtering" for more details on the filtering.

4

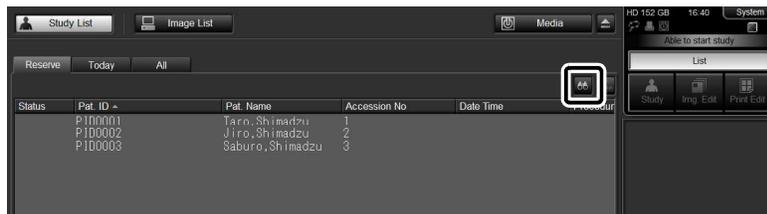
## 4.4.2 Cancelling Filtering

When performing a filtering, only the item matching the filtering condition is displayed. There are the following two methods to cancel the filtering state after the filtering or in the middle of a filtering.

- Click .
- Switch the tab.

### Reset Button

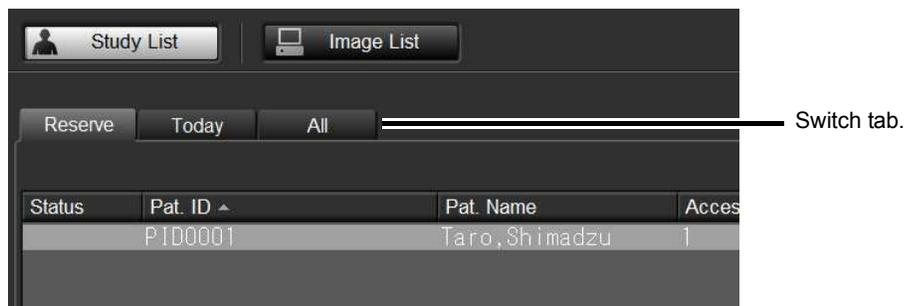
- 1 Click .



A filtering is canceled and the list returns to the display before a filtering.

### Switching Tab

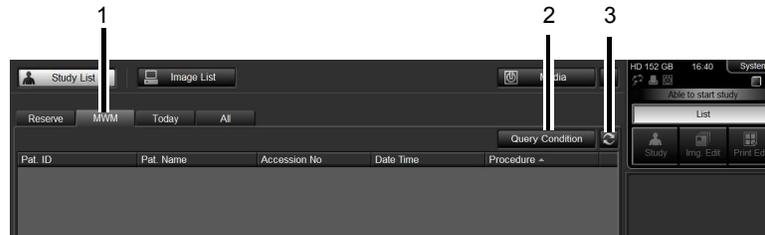
- 1 Switch the tab to other in which the filtering is not performed.



A filtering is canceled and the list is displayed on the tab selected.

## 4.5 MWM (option)

When the MWM (DICOM Modality Worklist Management) option is available, the [MWM] tab is added to the [Study List] window.



No.	Tab Name	Description
1	MWM Tab	Displays the list of patients received from the MWM server.
2		[Query Condition] Specifies query conditions for the MWM server. The asterisk (*) indicates that some study cannot be received though it match conditions.  4.5.2 "Condition Setting"
3		Refresh button Update the study list from the MWM server.  4.5.5 "Updating Lists"

4

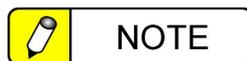
### 4.5.1 Study List Window

When the [MWM] tab is clicked, the study information is obtained from the MWM server and is displayed in the [Study List] window. When the  button is clicked, the study information is obtained again from the MWM server to update the list of patients.

 4.5.5 "Updating Lists"



In the study list of MWM, study information cannot be updated or registered.

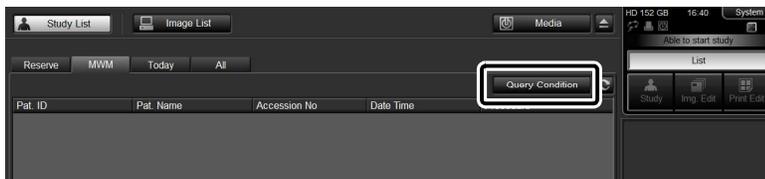


Of the studies that are obtained from the MWM server, performed studies are not displayed in the list on the [MWM] tab. They are displayed on the [Today] or [All] tab.

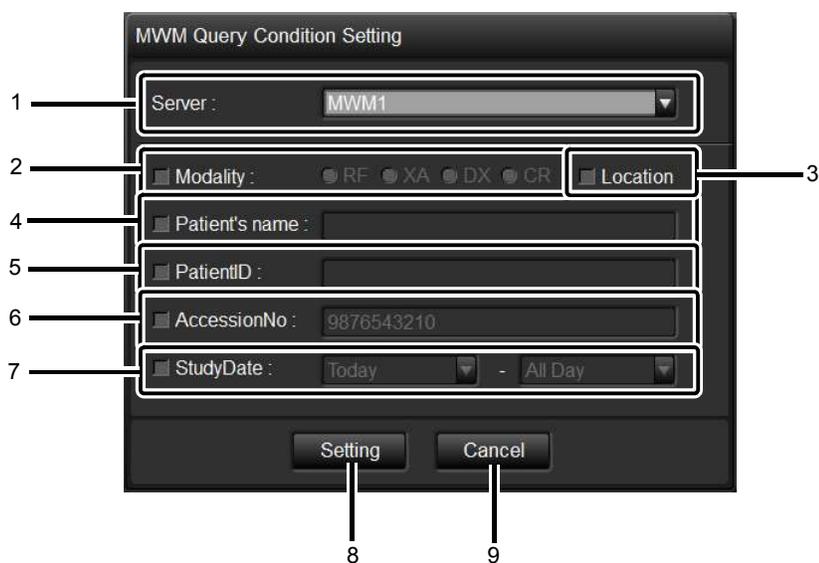
## 4.5.2 Condition Setting

The MWM query condition is set up.

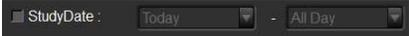
- 1 Click [Query Condition].



The [MWM Query Condition Setting] window appears. Select the desired checkbox and enter value.



No.	Item	Function
1		[Server] Selects the target MWM server in the list.
2		[Modality] Filter the study by the image output type. 4 "■ Specifying Modality" P.4-40
3		[Location] Filter the reserved study in this device. 4 "■ Location" P.4-40
4		[Patient's name] Enters patient's name. 4 "■ Specifying Patient's Name" P.4-40
5		[Patient ID] Specifies a Patient ID. Up to 64 characters can be entered. 4 "■ Specifying Patient ID's Name and Accession No." P.4-40

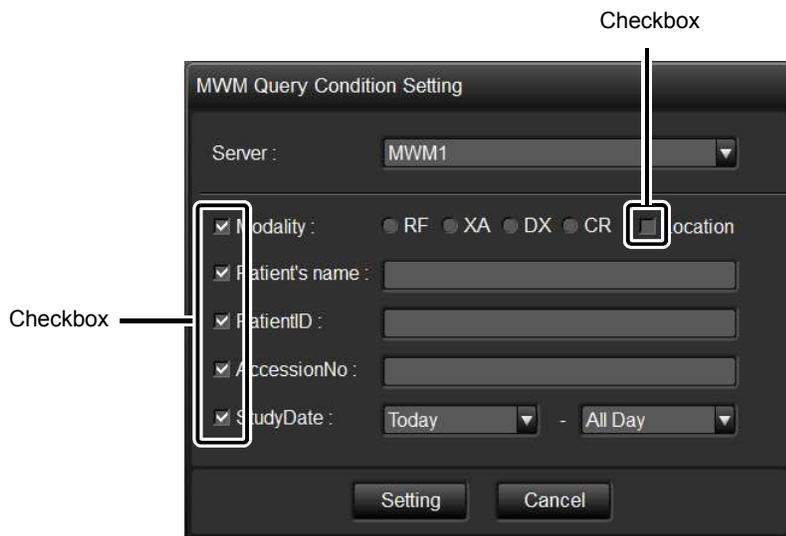
No.	Item	Function
6		[Accession No.] Specifies a accession No.  4 "■ Specifying Patient ID's Name and Accession No." P.4-40
7		[Study Date] Specifies study date range the list.  4 "■ Specifying Study Date Range" P.4-42
8		[Setting] Starts receiving study from the MWM server.
9		[Cancel] Closes the [MWM Query Condition Setting] window.

4

### ■ CheckBox

Select the checkbox of desired condition to enter or specify condition.

-  All the conditions is not required for the query. A plurality of conditions, such as Patient ID and Patient's name, or Patient ID and Study Date, can be combined. For example, when the conditions of both Patient ID and Patient's name are used, the study that matches both conditions will be returned.



## ■ Specifying Modality

Select [Modality] checkbox to select image output type. Select a desired type.

Modality :     RF    XA    DX    CR    Location

Output Type	Description
RF	Mainly used for gastrointestinal tract study.
XA	Mainly used for angiography study.
DX	Mainly used for general photographing study (digital).
CR	Mainly used for general photographing study (film).



Usually, do not select "DX" and "CR".

## ■ Location

Select the [Location] checkbox to filter the reserved study in this device.

## ■ Specifying Patient's Name

(1) Select the [Patient's Name] checkbox. The text can be entered.

Patient's name :

(2) Enter the name. The wiled card can be used.

Patient's name :

## ■ Specifying Patient ID's Name and Accession No.

(1) Select the [Patient ID] or [Accession No.] checkbox. The text can be entered.

PatientID :

(2) Enter the number. The wiled card can be used.

AccessionNo :

**Wild Card**

A wild card character is an asterisk (\*) character which expresses an arbitrary character string for the patient ID or patient's name filtering. A wild card character is used as arbitrary character strings in the case that a part of patient ID and patient's name are unknown or when the whole name is not entered.

💡 When a wild card character is not used, only the data which completely match the filtering string is displayed.

- The following table explains the difference in the filtering condition when entering a wild card character to the head or the end of a character string or both.

The position which a wild card is entered.	Description
Head of a Character String	[*ABC] Match all the characters which end with ABC. (Example: 123ABC, DEFABC, etc.)
End of a Character String	[ABC*] Match all the characters which start with ABC. (Example ABC123, ABCDEF, etc.)
Head and End of a Character String	[*ABC*] Match all the characters in which ABC is contained. (Example: ABC123, 123ABC, 123ABC456, etc.)

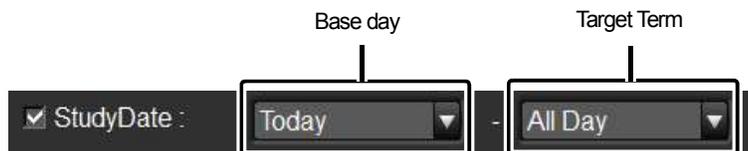
💡 A wild card character can input to the head or the end of a character string or both. It cannot be inputted in other place (for example, in the middle of a character string).



## ■ Specifying Study Date Range

The study date range is specified in the list.

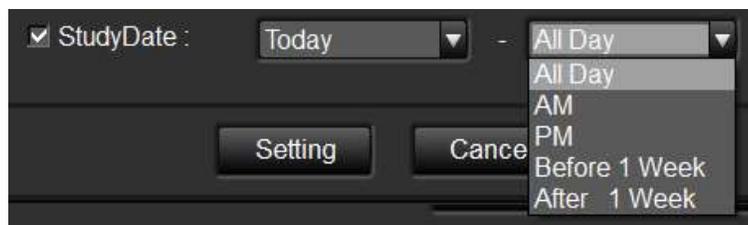
- (1) Select the [Study Date] checkbox. The setting is available.



- (2) Select a target base day in the list.



- (3) Select a target term in the list.



Target Term	Description
All Day	Searches the study registered within the base day.
AM	Searches the study registered A.M. on the base day.
PM	Searches the study registered P.M. on the base day.
Before 1 week	Searches the study registered during the period from the day 1 week before the base day to the base day. Example) Base Day: 12 June / Target Term: from 6 June to 12 June
After 1 week	Searches the study registered during the period from the base day to the day 1 week after the base day. Example) Base Day: 12 June / Target Term: from 12 June to 18 June

- 2 Click either [Setting] or [Cancel].  
Click [Yes] to receive the study that matches the query conditions from the MWM server.  
Click [Cancel] to close the [MWM Query Condition Setting] and the [Study] window returns.

### 4.5.3 New Study (MWM)

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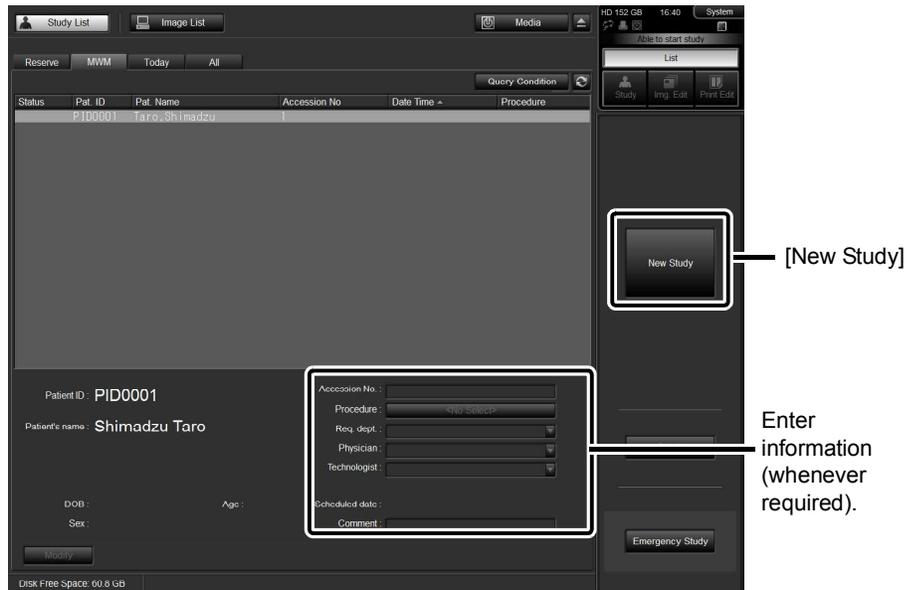
- 1 Select the [MWM] tab to display a list of studies obtained from the MWM server.
- 2 Select the desired study.  
The background color of the selected study is changed. The study information is displayed in the Study information details. Check the information.
- 3 Select the Procedure and enter information such as Accession No., Request Department, Physician, Technologist, and comment (whenever required).

 4.1.2 "Study List Operation Area"

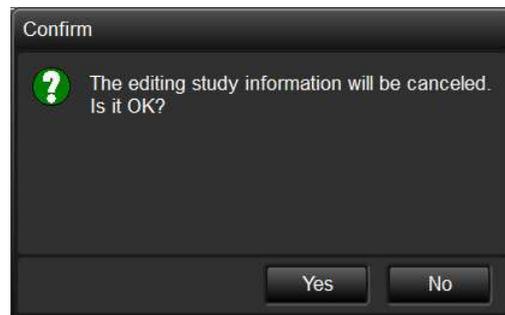
 The patient information can be edited by clicking [Modify].

 4.2.3 "Updating Study Information"

- 4 Click [New Study].  
The study starts.



When performing another operation, not clicking [New Study] after inputting information in step 3, the confirmation window will be displayed.



Click [Yes] to discard information and the window closes.

Click [No] to return to the [Study List] window.

#### 4.5.4 Emergency Studies

Emergency studies can be started in the same way as the normal mode by clicking [Emergency Study] while the [MWM] tab is displayed.

 4.3.3 "Emergency Study"

### 4.5.5 Updating Lists

To acquire the list of patient information from the MWM server again, click the  (refresh) button.



### 4.5.6 Auto Study Start

When only one study is obtained from the MWM server, its study can be automatically started.



Contact your Shimadzu service representative to enable the auto study start.

### 4.5.7 Query by Bar Code Reader (Option)

When information is read by the bar code reader while the MWM tab is opened, the MWM query is automatically performed with this information as query condition. The study which matches the conditions is displayed on the study list.

 4.7 "Barcode Reader (Option)"

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## 4.6 MPPS (Option)

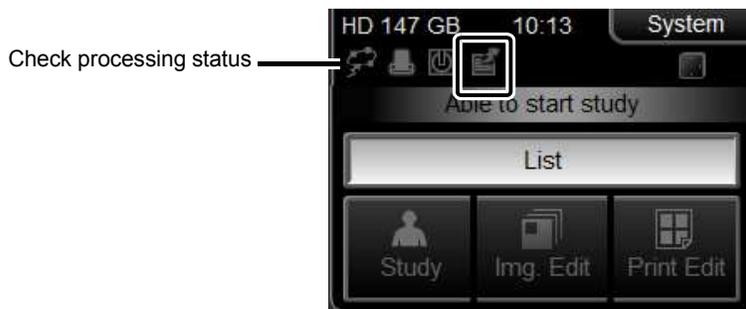
When the MPPS (Modality Performed Procedure Step) option is available, the status of the study start and end is notified to the MPPS server. When neither fluoroscopy nor radiography is performed during study, the study is considered to be suspended. When fluoroscopy or radiography is performed during study, and the study is closed, the study is considered to be completed.

### 4.6.1 Checking MPPS Processing Status

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When the MPPS option is available,  appears in the check processing status of the main panel. The status is automatically notified. However the error occurs,  flashes. Click flashing  to check the error contents.

 8.1.4 "MPPS Processing Status (Option)"



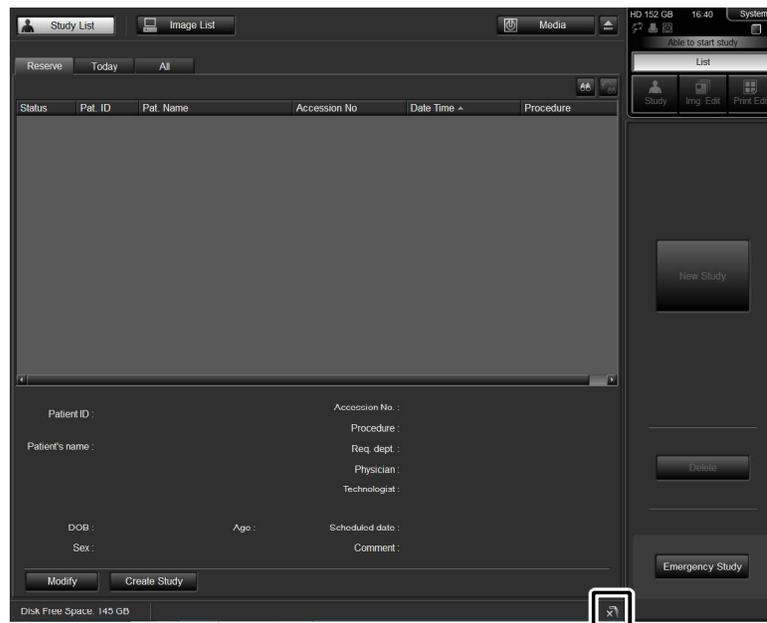
## 4.7 Barcode Reader (Option)

When the bar code reader option is available, information, such as patient ID, is read from the bar code on the chart using the bar code reader. The read information is used as key for MWM query and the query can be started automatically.

### 4.5.7 "Query by Bar Code Reader (Option)"



When the barcode reader option is available and the barcode reader is not connected or the system cannot recognize the barcode reader even though it is connected,  is displayed at the lower right of the [Study List] window. Restart the operation cabinet. The mark appears after restart, contact your Shimadzu service representative.



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5

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Study