6.2.4 SLOT Radiography

> **NOTE**
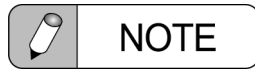>
> When the [Auto Send] or [Auto Print] check box is selected of [Post process] in the procedure preset edit, the long image only will be sent or registered for printing.
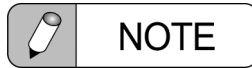>
> ☞ "Automatic Post Processing" on page 13-58

1 Select a desired protocol for the SLOT radiography on the touch panel or on the operation panel on the reference monitor.
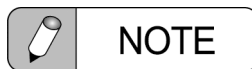

Touch panel (RF mode)

Operation panel on the reference monitor

	NOTE
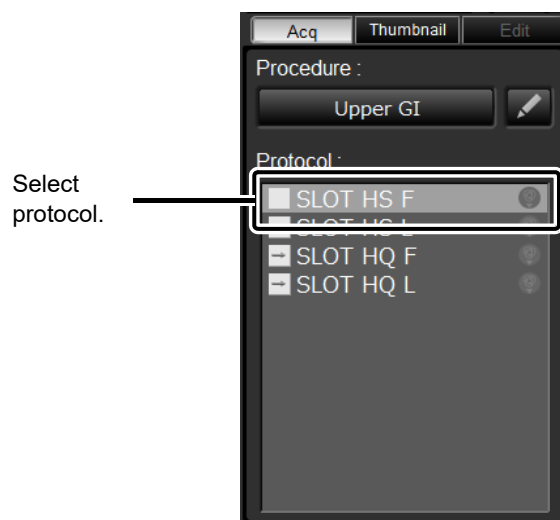
Switching a protocol sets the X-ray condition for the SLOT radiography.
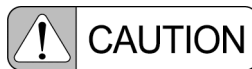

	NOTE

Turn the AEC OFF for the SLOT radiography. When turning it ON, an image cannot be acquired with an appropriate dose.


	NOTE

Adjust the X-ray condition according to a patient size on image acquisition.

6

2   Set the SID to 1200 (1500 for SID1800 column).

3   In case of the vertical position, secure a patient with the attached belt.


	CAUTION

The attached belt is to support a position of a patient. Keep eye on a patient during radiography.

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4   The message [Register First Point] is displayed on the acquisition monitor and touch panel. Move the X-ray tube and the Dynamic FPD to the first point with the Tabletop and imaging unit control lever on the remote console. Then press [START Set] to register the first point. [START Set] is lit up.

💡 The first point can be registered by pressing [START] on the X-ray diagnostic table.

💡 The first point can be canceled by pressing [Position Set Cancel] on the touch panel.
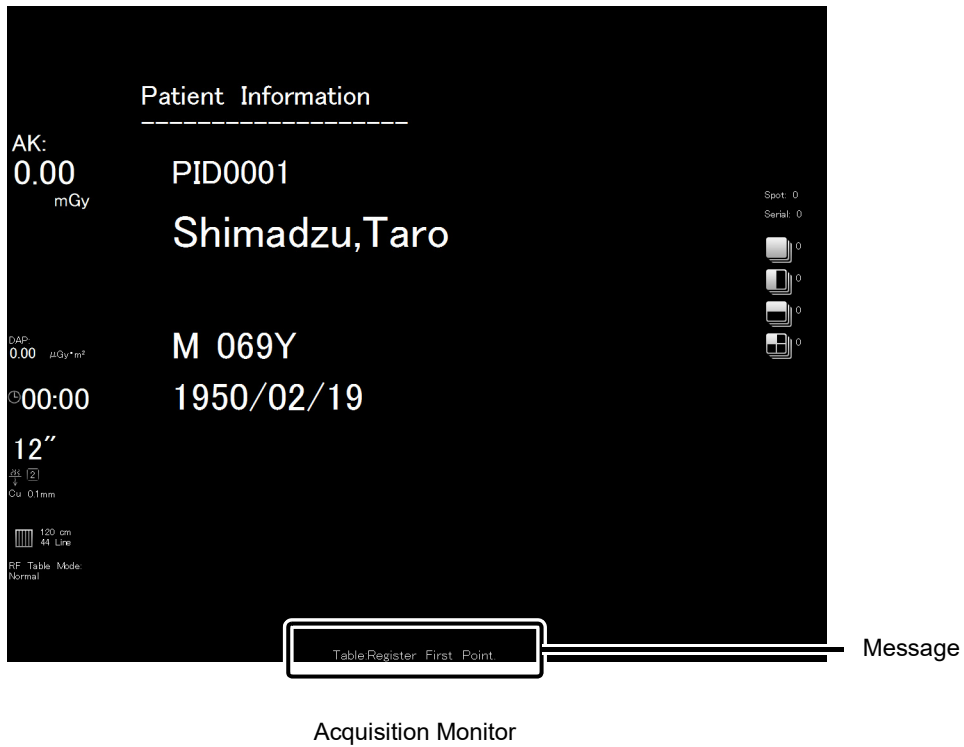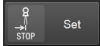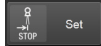
Acquisition Monitor
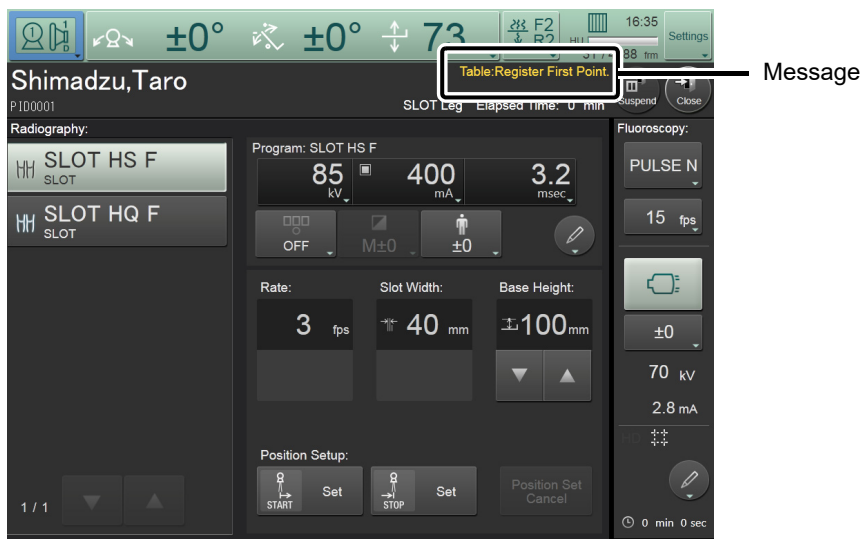
Touch panel (RF mode)

💡 The position can be adjusted with checking fluoroscopy images.

✏ NOTE

Turn OFF IBS and set the X-ray condition manually during fluoroscopy.

> ✏ **NOTE**
>
> Pressing the "Image V-Reverse" or "Image H-reverse" button on the remote console will cancel the position registration. Start over the registration.

5   The message [Register Second Point] is displayed on the acquisition monitor and touch panel. Set the X-ray irradiation clearance button to ON, move the X-ray tube and the Dynamic FPD to the second point with the Tabletop and imaging unit control lever on the remote console. Then press [🔲 Set] to register the second point. [🔲 Set] is lit up.

   💡 The second point can be registered by pressing [🔲] on the X-ray diagnostic table.

   💡 The second point can be canceled by pressing [Position Set Cancel] on the touch panel.

6
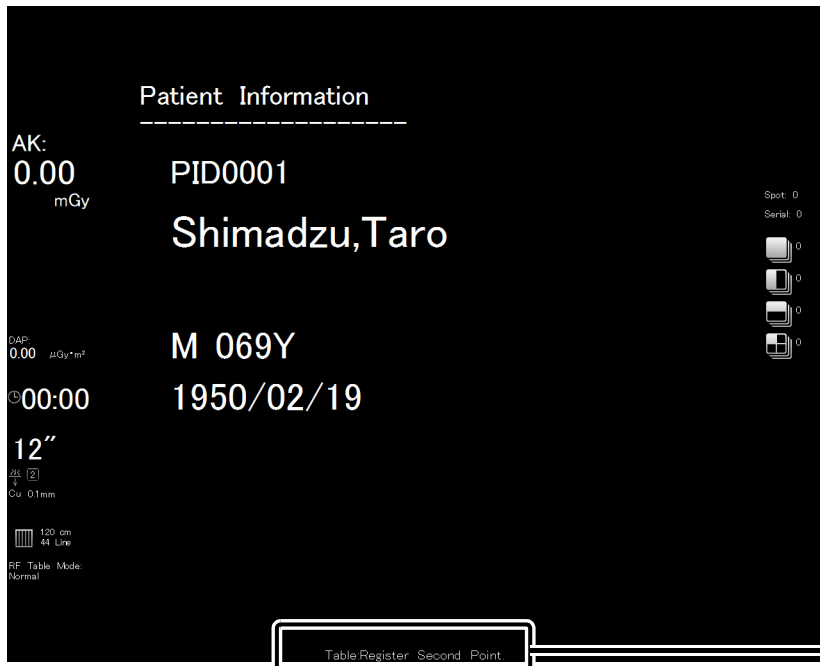
Message

Acquisition Monitor

Message

Touch panel (RF mode)

NOTE

The first point can be registered by pressing [STOP Set]. The X-ray tube and the Dynamic FPD will move from the second point toward the first point.
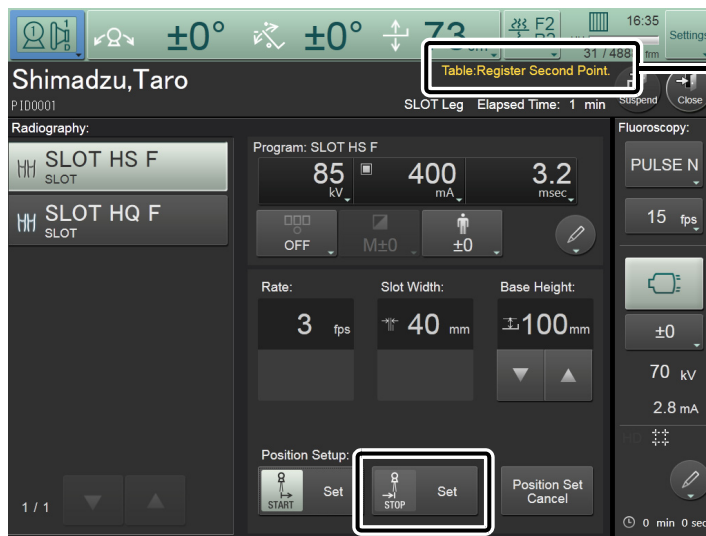

✏️ **NOTE**

Do not set up the first and the second points in the both-ends area in the movable range of the X-ray tube and the Dynamic FPD. Radiography cannot be performed in 7 cm from the both end of the movable range.

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6 When two points setup is completed, the �⟧ blinks, and the message "Hold down [SET] button." is displayed on the acquisition monitor and touch panel. Hold down ⟳.

[SET] Button

Radiography button

Tabletop and imaging unit control lever
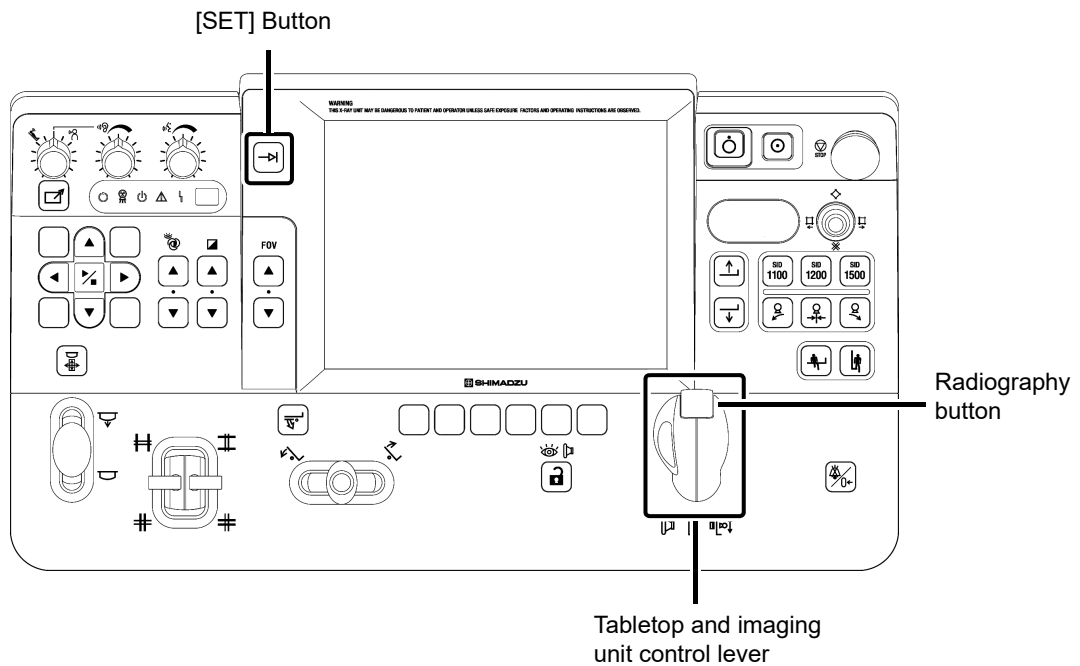
7 The message [Ready for exposure.] is displayed on the acquisition monitor and touch panel. Check this message, and then release ⟳.

💡 After the first and second points have been registered, they can be reset until pressing ⟳.

💡 Even after the exposure has been prepared, pressing ⟦Position Set Cancel⟧ cancels registered points. Although the canceled points are stored, you can register new points.

✏️ **NOTE**

When "Ready for exposure" message is displayed, the radiography is ready. The vibration of the X-ray tube may be seen due to the moving to the start point. Start a radiography after the vibration of the X-ray tube stops.

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8   Hold down the radiography button of the control lever on the remote console until you hear the short, high-pitched sound as many times as the specified number of exposure.

The acquisition starts and the ☢ appears on the acquisition monitor.
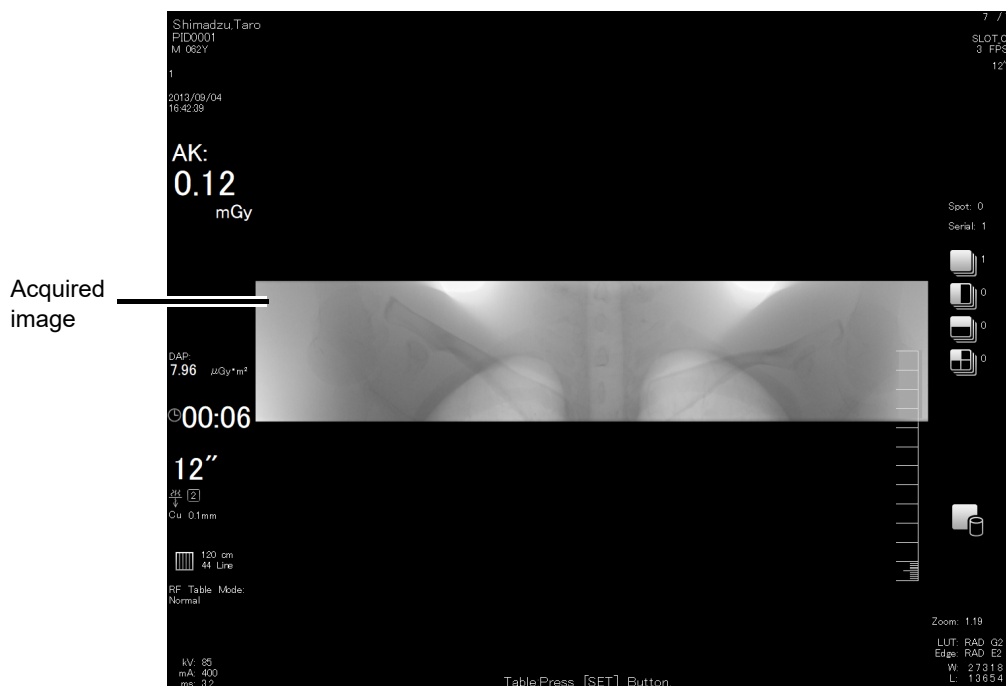
Acquired image

The radiography will be ended when the X-ray tube and the Dynamic FPD reach the second point.

![NOTE]
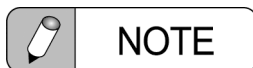
The SLOT radiography uses the half of the image reception area of the Dynamic FPD. Then acquired images are not centered on the acquisition monitor although fluoroscopy images are centered during the registration of radiography points. Actual radiography is performed in the registered range.
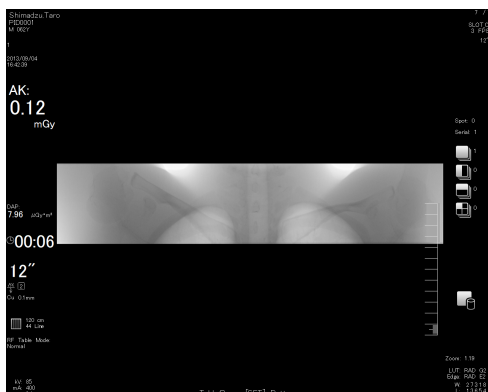
Fluoroscopy image during point registration
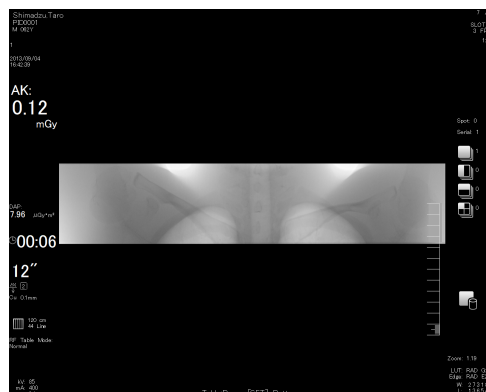
Acquired image during radiography

Then the long image is created and displayed on the reference monitor.

Long image

  NOTE

X-ray emission is stopped and image acquisition ends when the radiography button is released midway during irradiation.

To continue the SLOT radiography, perform the procedure from the step 6.

> ✏️ **NOTE**
>
> After the SLOT radiography is completed, when the reference monitor shows the long image as shown below, set the [Scan Dir] in the [SLOT] window to the direction used at the radiography, and then recreate the long image.
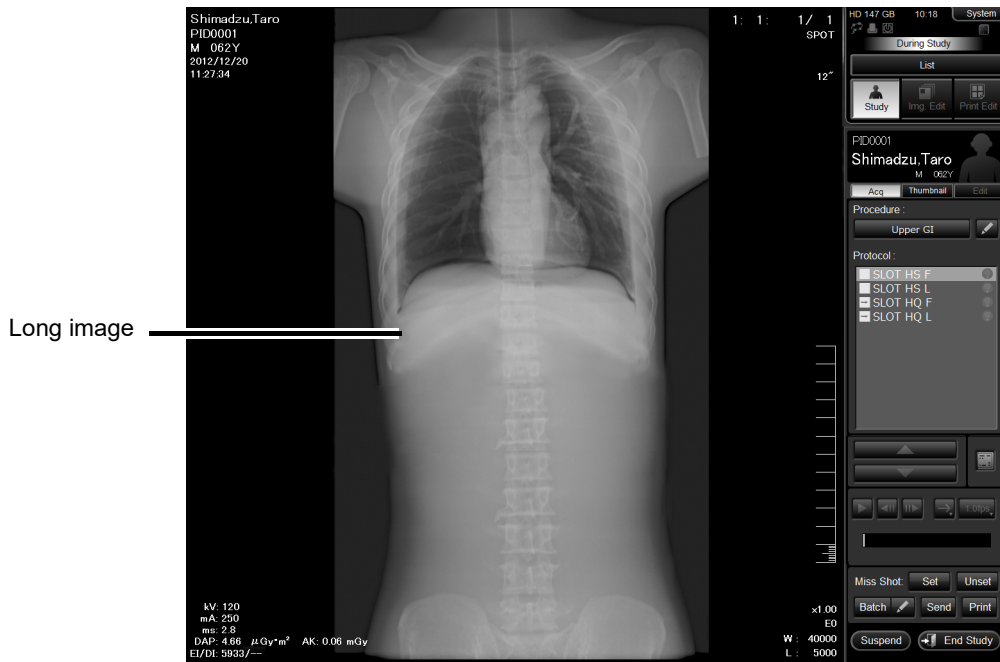>
> ☞ 6.2.6 "Long Image Creation"
>
>

6.2.5 Real-time Stitching

When the protocol with the Real-time Stitching function ON is selected, during the SLOT radiography, a simple long image is gradually created on the acquisition monitor in real time. The acquired part will be added one after another until image acquisition ends.

SLOT radiography starts.

| During radiography | Radiography end |
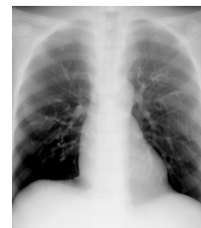
> 💡 The Real-time Stitching function is turned ON/OFF on the radiography tab of the Procedure Preset Edit window.
>
> ☞ "SLOT (Option)" on page 13-43

6.2.6 Long Image Creation

After the end of the SLOT radiography, the acquired images can be combined into one long image according to the setting different from those used in the radiography.

1 Select the desired SLOT image on the [Image List] window.

The selected file is highlighted.

The thumbnail image selected is surrounded with the selection border.

2 Click [SLOT].

SLOT image
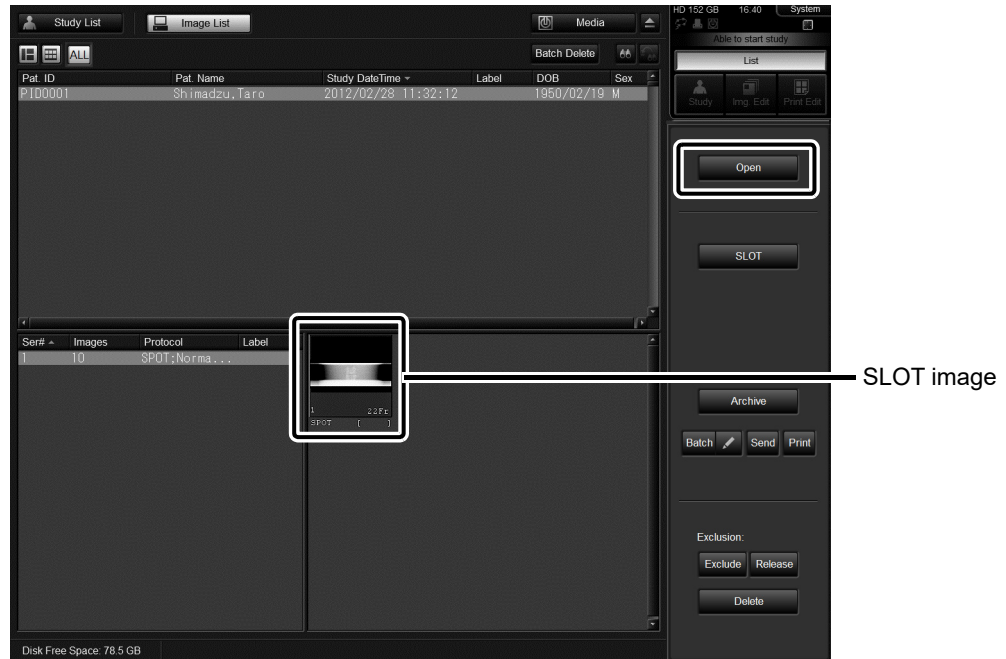
The [SLOT] window is displayed.

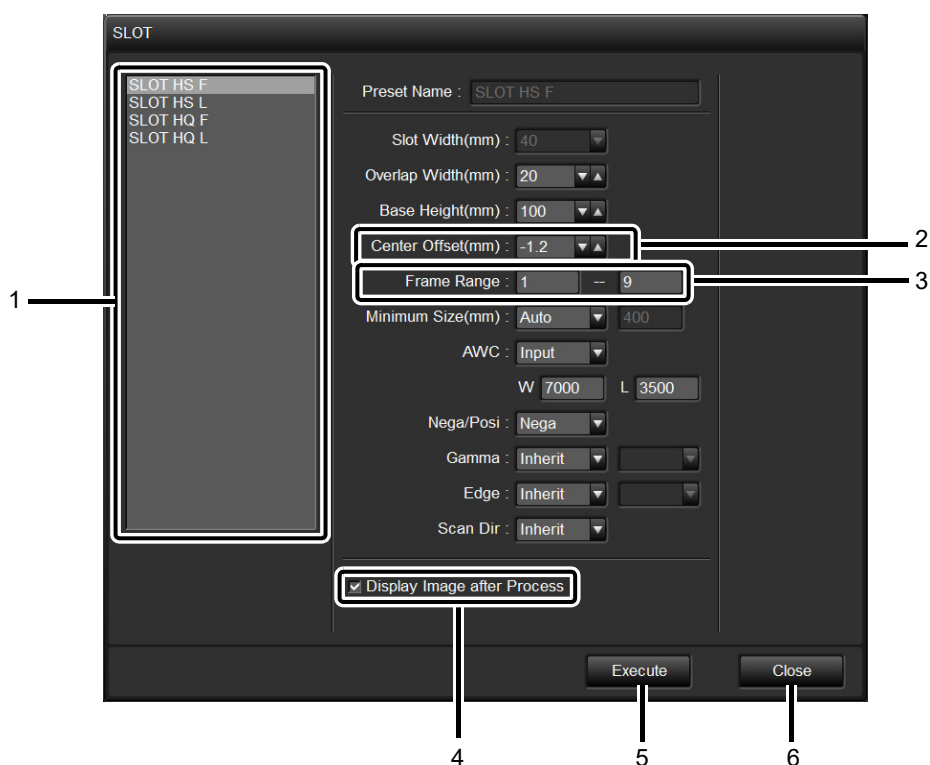| No.	Item	Function
1	Preset list	Displays preset names currently registered.
2	Center Offset(mm) : 0.0 ▼▲	[Center Offset (mm)] Automatically corrects the central position, and display the correction value.
3	Frame Range : 1 -- 1	[Frame Range] Specifies the frames to be connected. Displays the frame from the first to the second points by the default.
4	☑ Display Image after Process	[Display Image after Process] Selects the check box to display the created long image after the processing is completed. Clear it not to display the long image.
5	Execute	[Execute] Performs the long image creation processing.
6	Close	[Close] Close the [SLOT] window.

Please refer to the following for the details of other preset items in the [SLOT] window.

☞ 13.6.1 "SLOT Presets"

💡 •The preset has been automatically selected according to the conditions at the SLOT image acquisition.

•Each items are temporarily changed. If you change the preset permanently, edit it in the [SLOT Preset Editor] window.
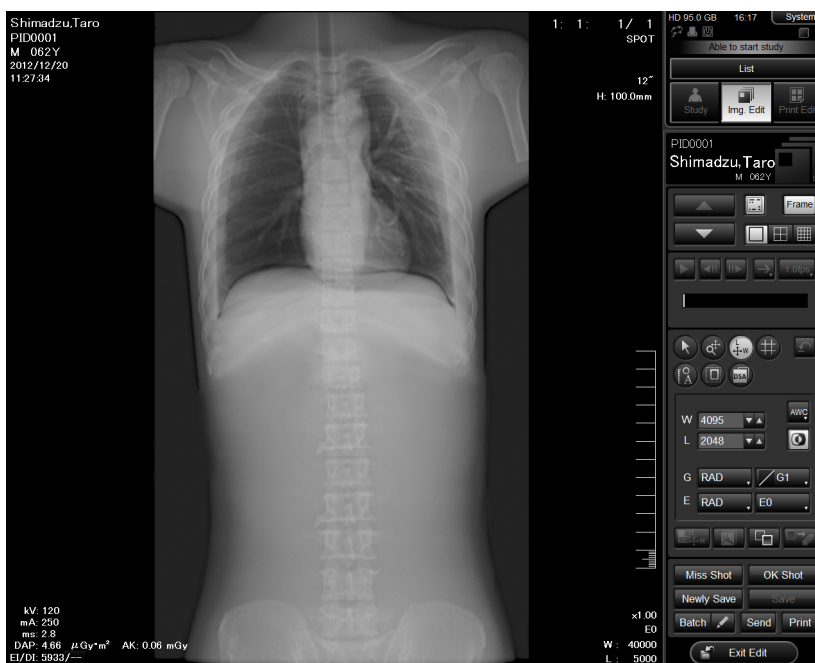
☞ 13.6.1 "SLOT Presets"

> 🖉 **NOTE**
>
> When selecting a preset not matching the conditions at the SLOT image acquisition, a proper long image cannot be created.

3   After checking processing conditions, click [Execute].

The long image created is displayed in the [Image Edit] window.

💡 When the [Display Image after Process] check box is cleared, the long image is not displayed.

The created long image appears in the [Image List] window.
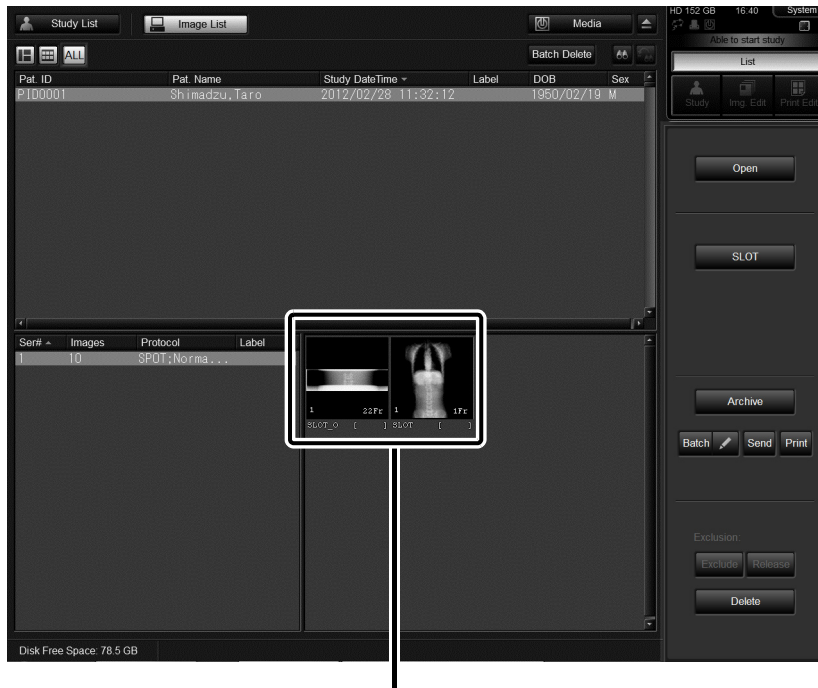
"SLOT_O" indicates the SLOT image.

"SLOT" indicates the long image.