

QUICK-REFERENCE GUIDE – ELASTOGRAPHY (ELST) MODE

Elastography (ELST) Mode

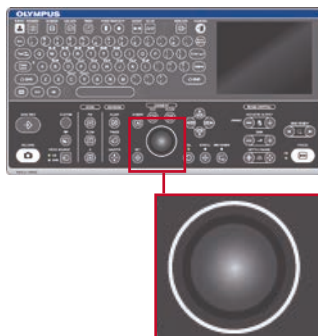


- 1 Visualize the target for stiffness evaluation in the B mode image.

* Note: Make sure it is displayed right below the ultrasound transducer.

- 2 Press the **ELST** key and the mode is switched to the Elastography mode.

Adjustment Using the Trackball



- 1 Using the **trackball**, adjust the ROI position.
- 2 Press the **SET** button and adjust the ROI size.
- 3 If you want to readjust the ROI position, press the **SET** button again.

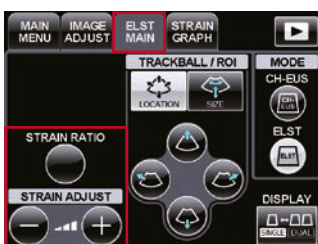
Adjustment Using the Touch Panel



- 1 Select **LOCATION** or **SIZE** using the buttons on the keyboard.
- 2 Using the keys, adjust the ROI size and position.
- 3 Adjust the size and location of the ROI so the target is within the ROI.

* Recommended size of ROI. Adjust the target while being careful not to include objects other than the target.

Strain Ratio / Strain Adjustment

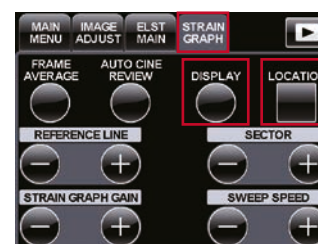


By allocating 2 ROIs (ROI A and B) to two targeted regions, strain ratio between the two regions can be measured.

The color of the Elastography images can be adjusted in 5 steps.

* Unit of strain indicator is in percent (%). Example: Distortion value would be 10% if an object of 10 mm length is inflated or shrunk by 1 mm

Strain Graph Display

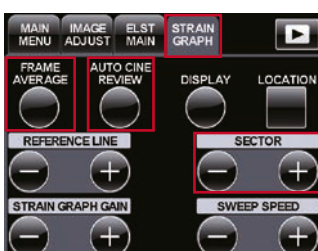


Select the **STRAIN GRAPH** tab and the STRAIN GRAPH Adjustment menu appears.

By pressing the **DISPLAY** key, the Strain Graph can be displayed or hidden.

By pressing the **LOCATION** key, the location of the Strain Graph can be changed.

Strain Graph Adjustment



The **SECTOR** buttons adjust the width on the time axis of the STRAIN GRAPH to be referenced in auto CINE REVIEW and image averaging.

The **FRAME AVERAGE** button displays the average elasticity

image of the time set with the **SECTOR** buttons.

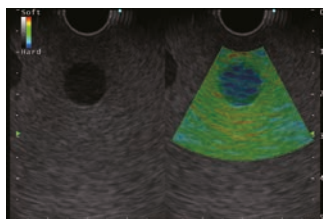
* If the FRAME AVERAGE key is pressed again, the length of time is reset.

The **AUTO CINE REVIEW** button repeatedly displays the CINE MEMORY images in the time set with the **SECTOR** buttons.

* If the AUTO CINE REVIEW button is pressed again, the CINE MEMORY stops.

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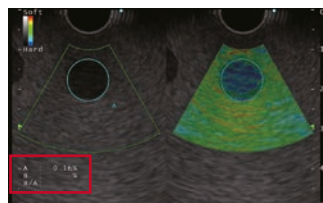
Strain Ratio Measurement



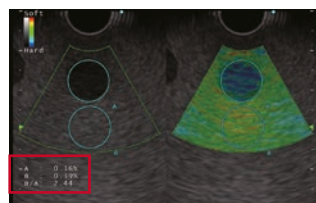
- 1 Select the image whose strain ratio you want to measure.



- 2 Press the **STRAIN RATIO** button after freezing the image.



- 3 Set ROI A and the average strain value within the ROI shown.



- 4 Set ROI B (in comparison with A). Then the average strain value is shown and the strain ratio (B/A) is automatically calculated.

Notes

- * If ROIs A and B are set outside the ROI of the elasticity image, the measurement cannot be made. Set the ROIs A and B within the elasticity image.
- * Strain ratio measurement is available for FREEZE images only. It is not available with saved images.