

QUICK-REFERENCE GUIDE – ELASTOGRAPHY (ELST) MODE

EU-ME2
PREMIER
PLUS

Elastography (ELST) Mode

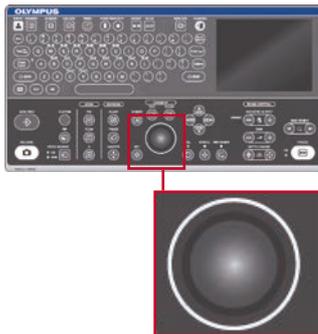


- 1 Visualize the target for stiffness evaluation in the B mode image.

* 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.

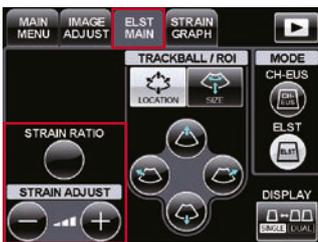
Adjustment Using the Touch Panel



- 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

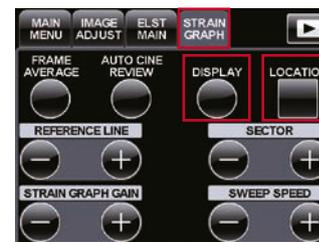


By allocating 2 ROIs (ROI A and B) to two targeted regions, strain ratio between the two regions can be measured.

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

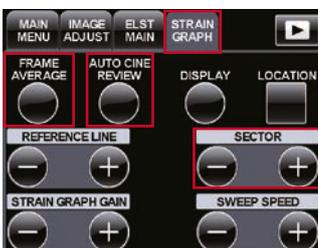


Select the **STRAIN GRAPH** tab and the STRAIN GRAPH Adjustment menu appears.

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.

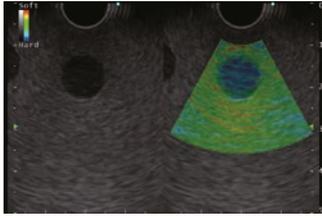
* If the FRAME AVERAGE key is pressed again, the length of time is reset.

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



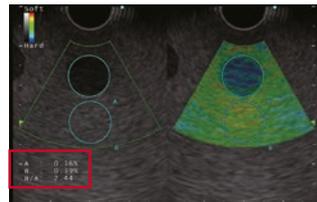
- 1 Select the image whose strain ratio you want to measure.



- 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.

Specifications, design, and accessories are subject to change without any notice or obligation on the part of the manufacturer.

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