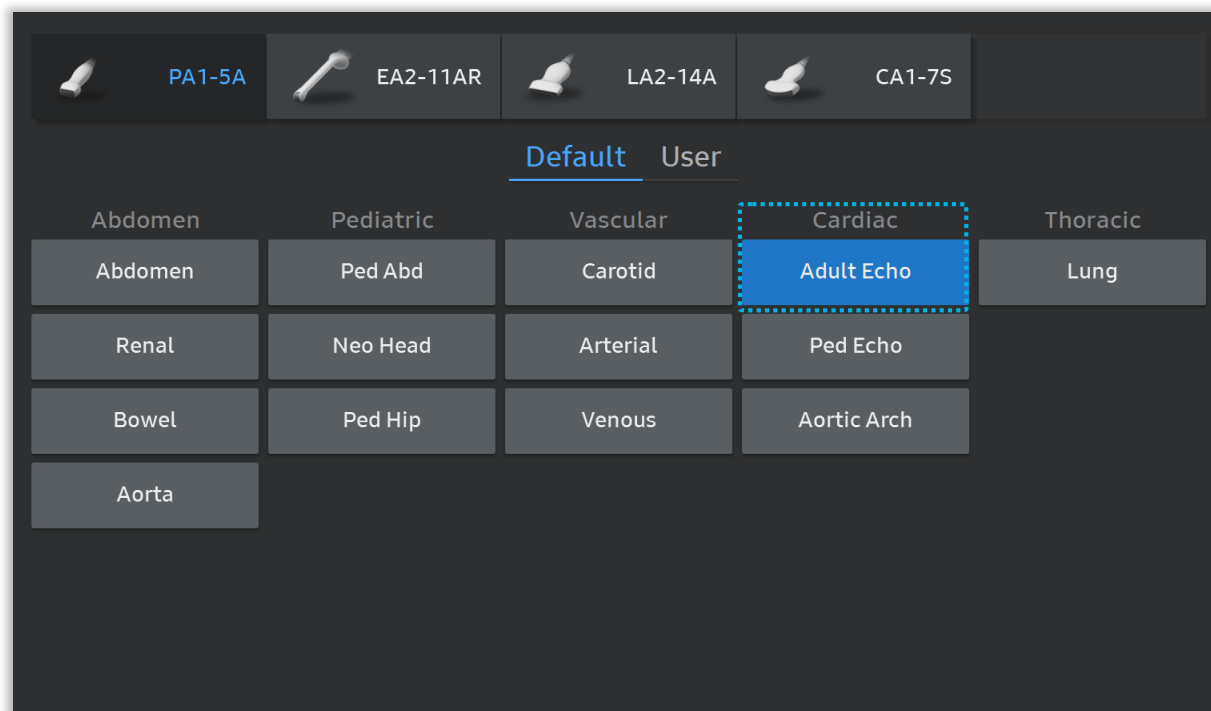


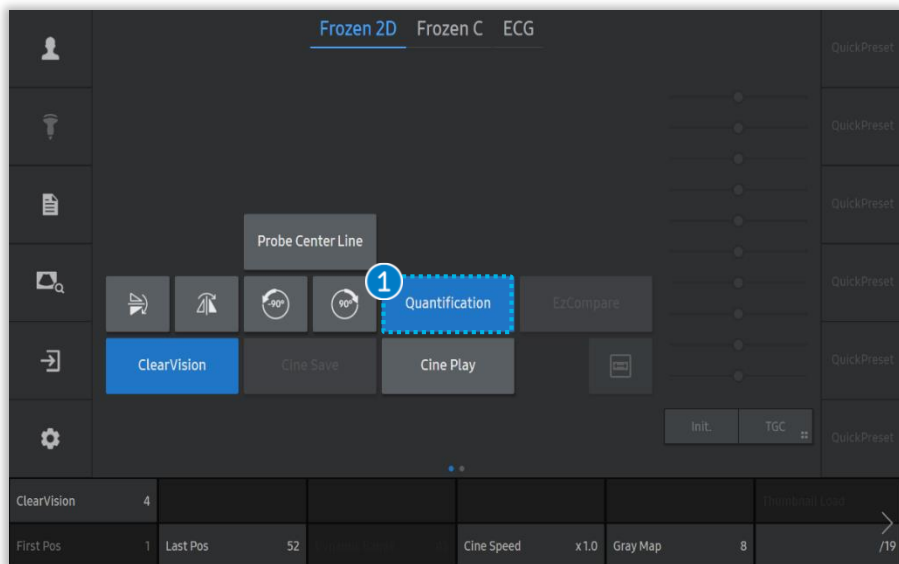


# 1. Probe and Preset



※ Available application and preset

<b>Application</b>	Cardiac
<b>Preset</b>	Adult Echo
<b>Mode</b>	2D
<b>ECG Heart rate</b>	70~240



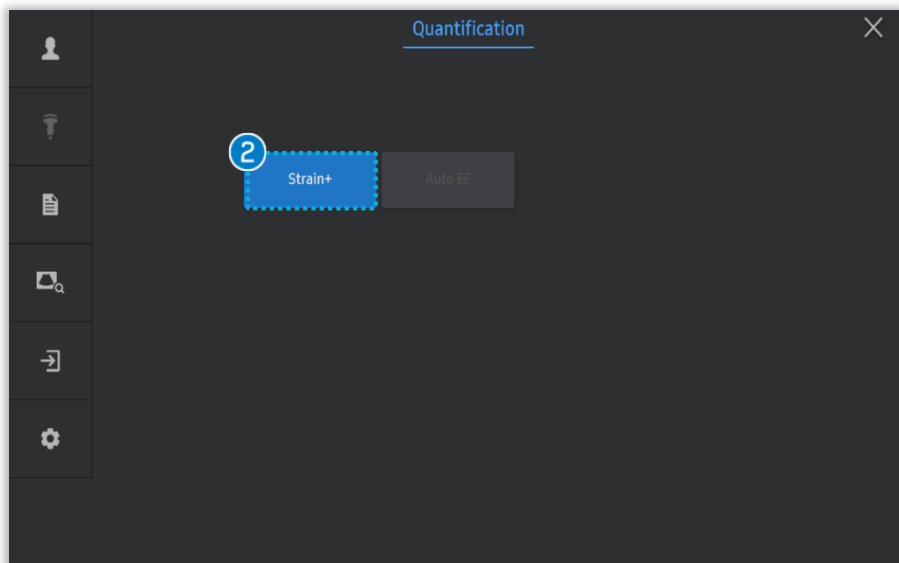
## 1 Quantification

Select Quantification button on the touchscreen

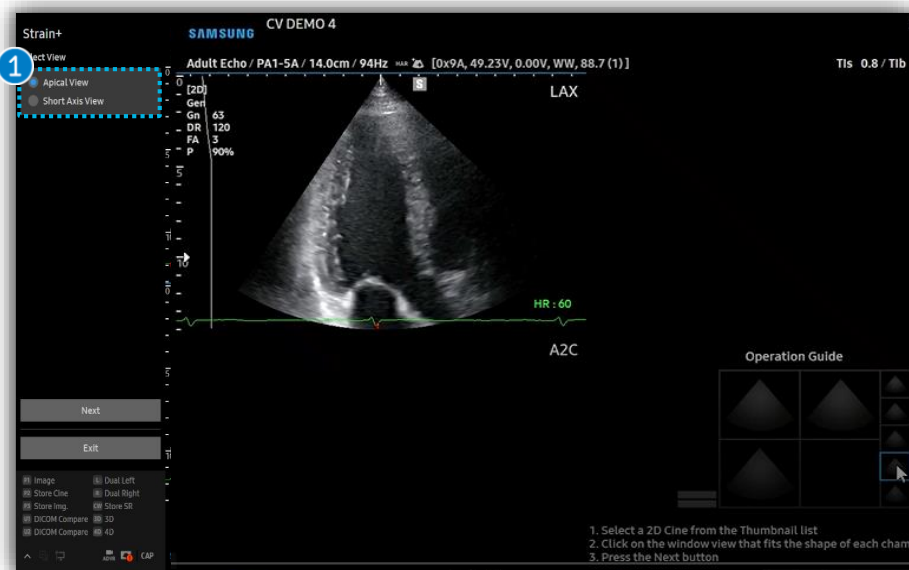
## 2 Strain+

Select **[Strain+]** button on the touch screen to start. It is recommended to start on LAX view.

\* LAX= Apical Long axis/A3C



# 3. Select Strain images



## 1 Select view

Select 'Apical View' of the upper left monitor or the **[Apical view]** of touch screen for longitudinal & radial strain

## 2 Input A4C image

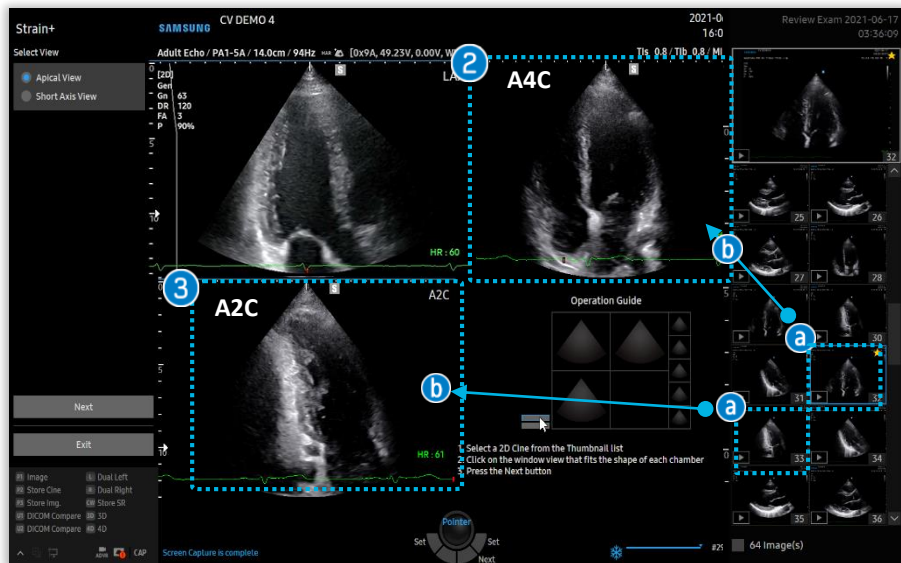
- a Select A4C image from the Thumbnail
- b Double Click the A4C window on the thumbnail by **[Set]** button

## 3 Input A2C image

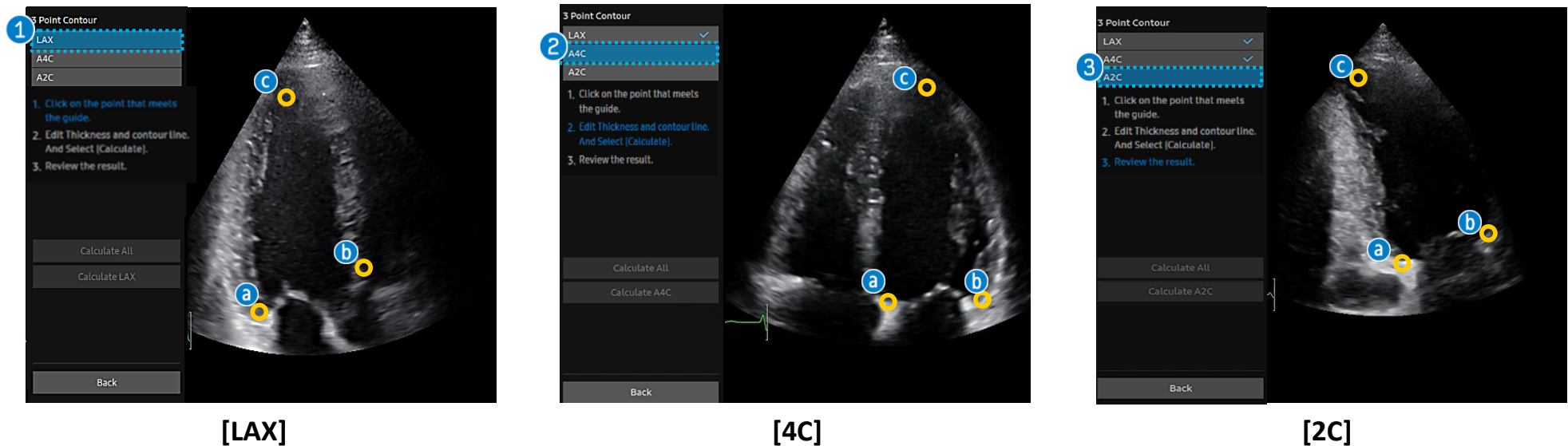
- a Select A2C image from the Thumbnail
- b Double Click the A2C window on the thumbnail by **[Set]** button

## 4 Next

Press the **[Next]** button on the touchscreen for the next step



## 4. LV border Contour(1)



[LAX]

[4C]

[2C]

1 LAX view  
3 point contour

Specify 3 points contour on LAX view

Use the trackball and the **[Set]** button to specify 3 points in order,

**a** basPost(Basal posterior), **b** basAntSept(Basal anterior septal) and **c** Apex.

2 A4C view  
3 point contour

Select the A4C view then specify 3 points contour on A4C view

Use the trackball and the **[Set]** button to specify 3 points in order,

**a** basInf(Basal Inferior), **b** basAnt(Basal anterior) and **c** Apex.

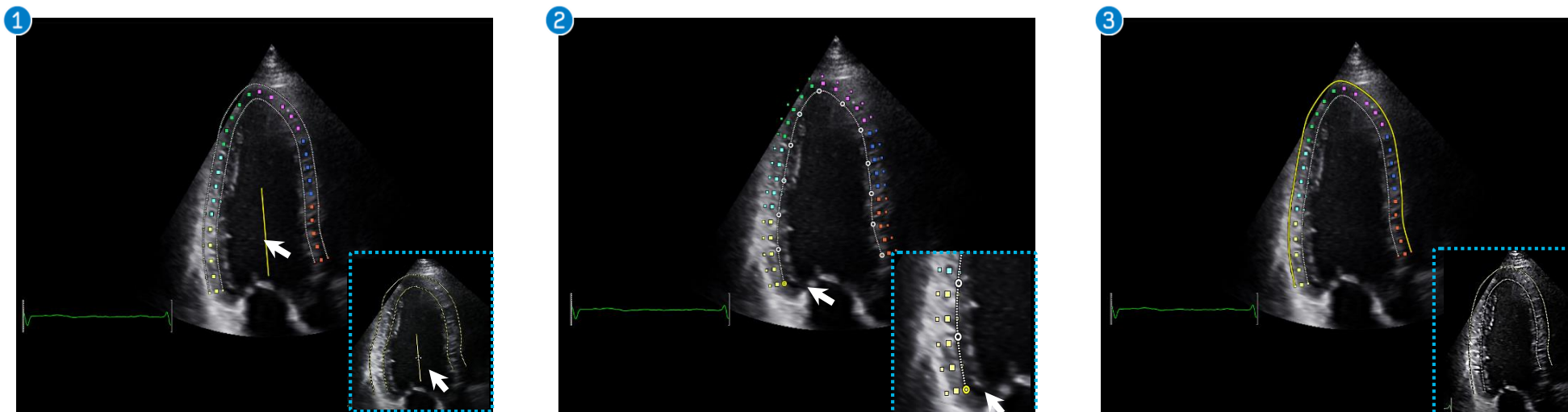
3 A2C view  
3 point contour

Select the A2C view then specify 3 points contour on A2C view

Use the trackball and the **[Set]** button to specify 3 points in order,

**a** basSept(Basal septal), **b** basLat(Basal lateral) and **c** Apex

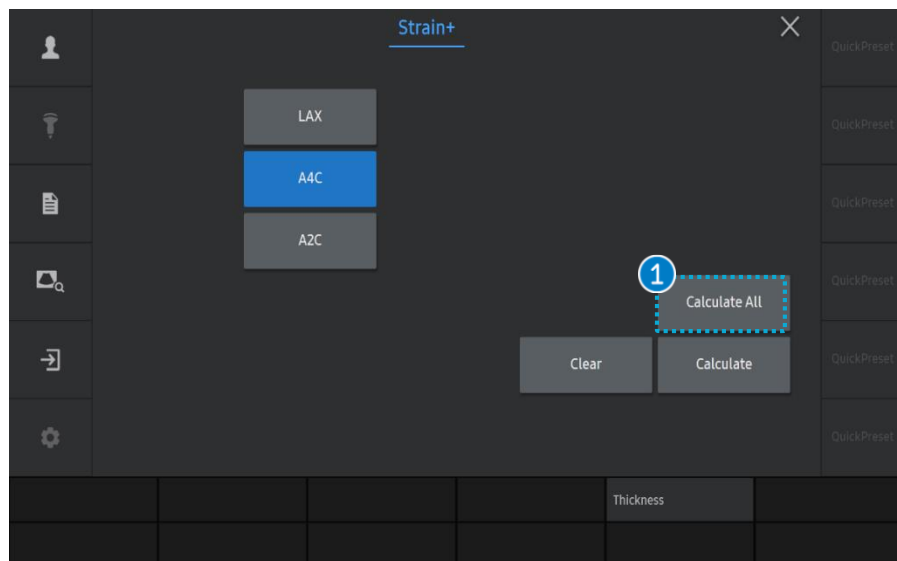
# 4. LV border Contour(2)



※ If border editing is needed, please following as the below.

<p>① <b>Total contour</b></p>	<p>Select the <b>[Edit]</b> button on the touch screen. When you place the Pointer in the middle of LV, Yellow bar will be appeared. → Press the <b>[Set]</b> button to edit the contour line by using trackball → Press the <b>[Set]</b> button again to confirm.</p>
<p>② <b>Endocardial point edit</b></p>	<p>Select the <b>[Edit]</b> button on the touch screen. When you place the Pointer close to endocardial pointer, endocardial border line will be changed the yellow points → Press the <b>[Set]</b> button to edit the points which you need the modify line → Press the <b>[Set]</b> button again to confirm.</p>
<p>③ <b>Epicardial line edit</b></p>	<p>Select the <b>[Edit]</b> button on the touch screen. When you place the Pointer close to epicardial border, the epicardial border line will be changed yellow line. → Press the <b>[Set]</b> button to edit the epicardial border line by using trackball → Press the <b>[Set]</b> button again to confirm.</p>

# 5. LV border Calculation

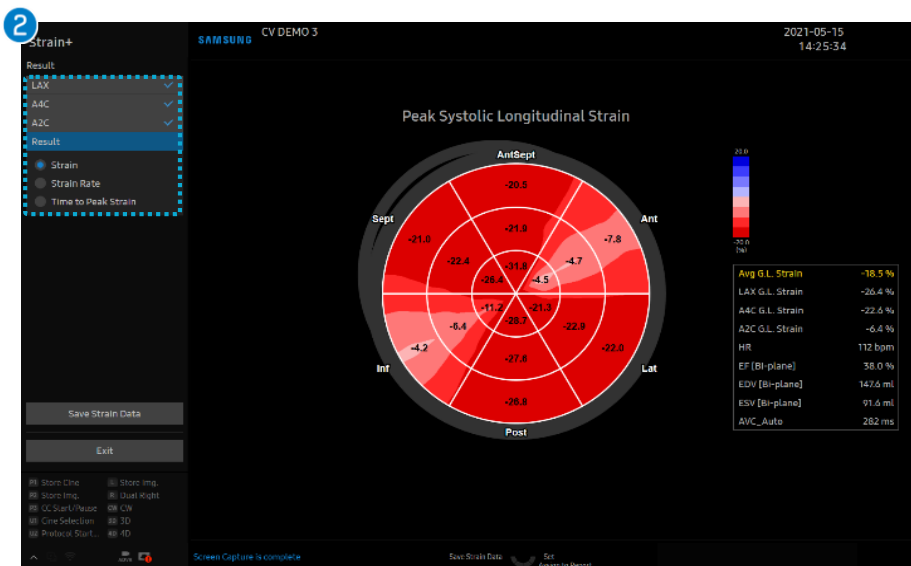


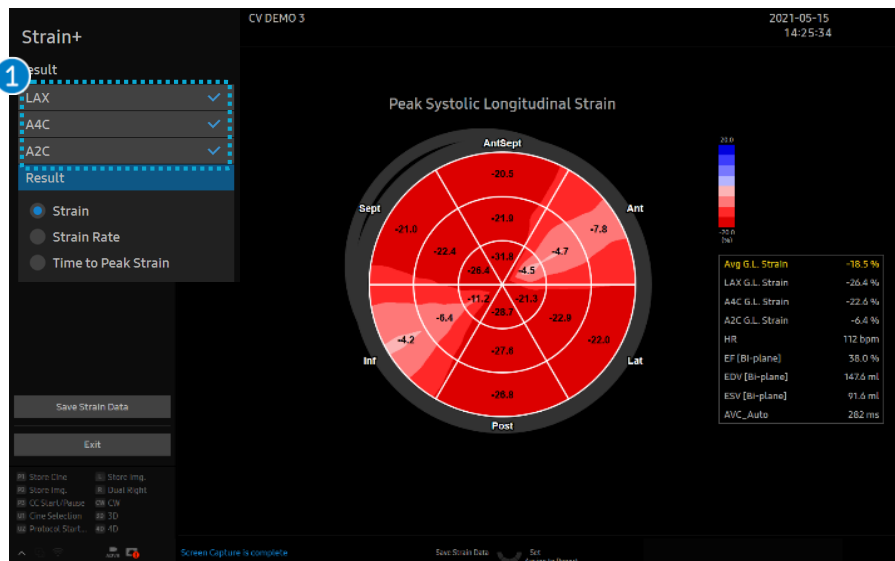
## 1 Calculate All

Calculates the Strain analysis on all views (LAX, A4C and A2C)  
 ※ The message "Calculating.." will be displayed on the bottom of monitor.

## 2 Result

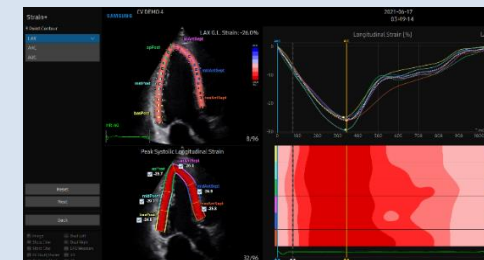
Display the Strain result and Bull's eye pilot





### 1 Border tracking

Confirm that the LV border are correctly placed and tracked on each LAX, A4C and A2C view



### 2 Edit/Reset

Available to 'Edit' or 'Reset' the LV Border

### 3 Next

Press the [Next] button for the next view (LAX → A4C → A2C → Total strain Result )

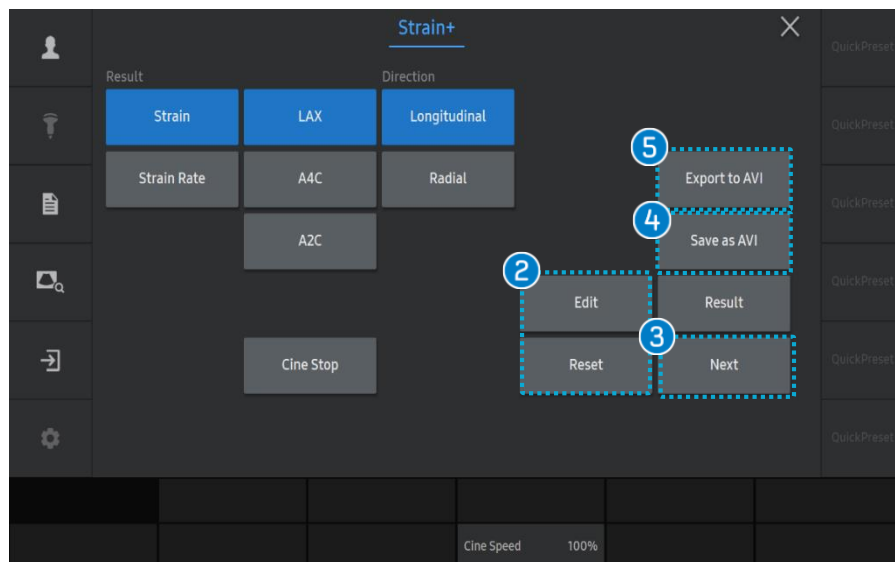
### 4 Save as AVI

Saves the result along with a captured screen as an AVI file

### 5 Export to AVI

Exports the result and the representative image as an AVI file.

※ This is only available if a USB is connected.

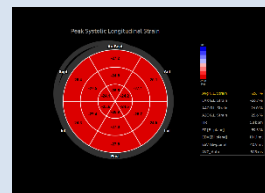




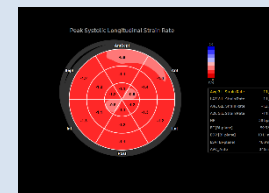
# 7. Total strain result Display

Strain+			
Result	Display	Direction	Segment
① Strain	② Bull's Eye	③ Longitudinal	④ 18Segment
Strain Rate	Bull's Eye Images	Radial	17Segment
Time to Peak Strain	Bull's Eye Graph		

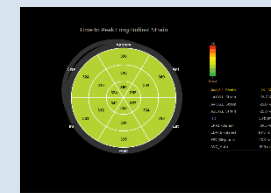
## ① Result type



Strain

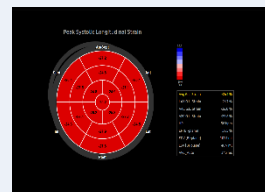


Strain Rate

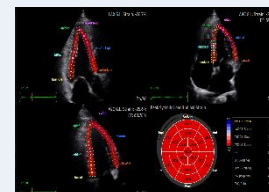


Time to Peak Strain

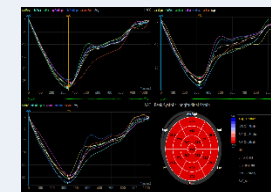
## ② Display type



Bull's Eye

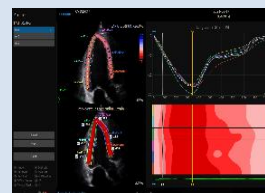


Bull's Eye Images

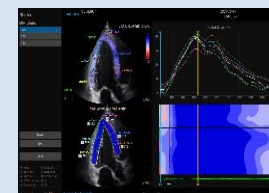


Bull's Eye Graph

## ③ Strain type

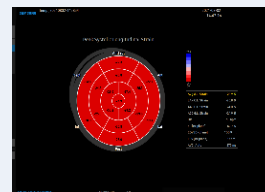


Longitudinal

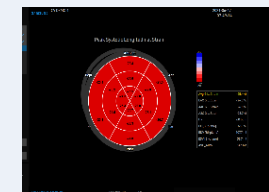


Radial

## ④ Segment

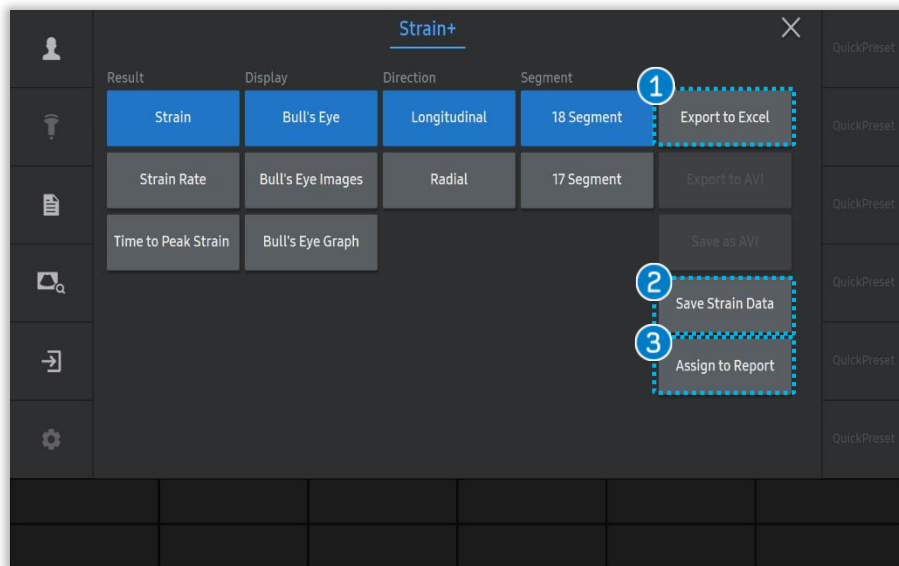


17 Segment



18 Segment

# 8. Total strain result



## 1 Export to Excel

Save the result and the representative

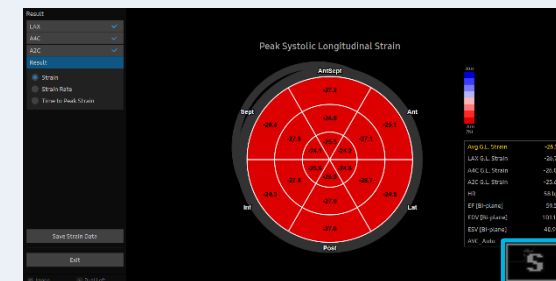
image as an Excel file

✂ *This is only available if a USB is connected.*

## 2 Save Strain Data

Strain data will be saved

(**S** sign will be displayed on the bottom side of right)



## 3 Assign to Report

Strain+ result assign to report

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- The features, options may not be commercially available in some countries.
- Sales and shipments are effective only after the approval by the regulatory affairs. Please contact your local sales representative for further details.
- This Quick guide does not include all of the details of instruction, for more detail, please refer to RS85 User Manual.
- Do not distribute this document to customers unless relevant regulatory and legal affairs officers approve such distribution.
- This User Quick Guide is based on RS85 V2.08.
- Disclaimer: Some Images in this content were obtained from other system.

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