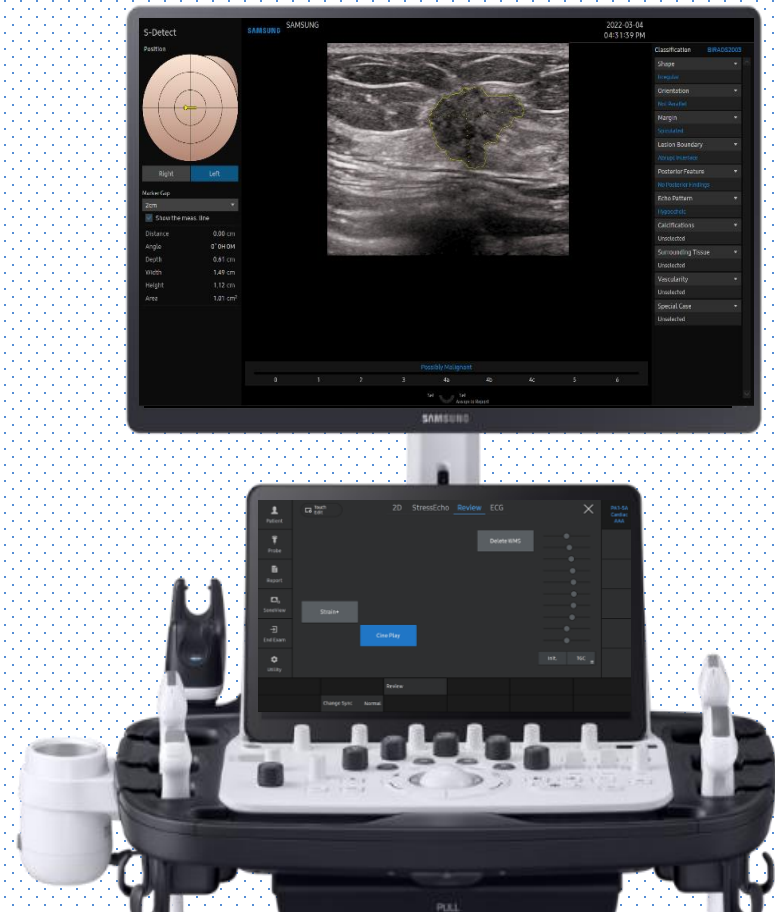
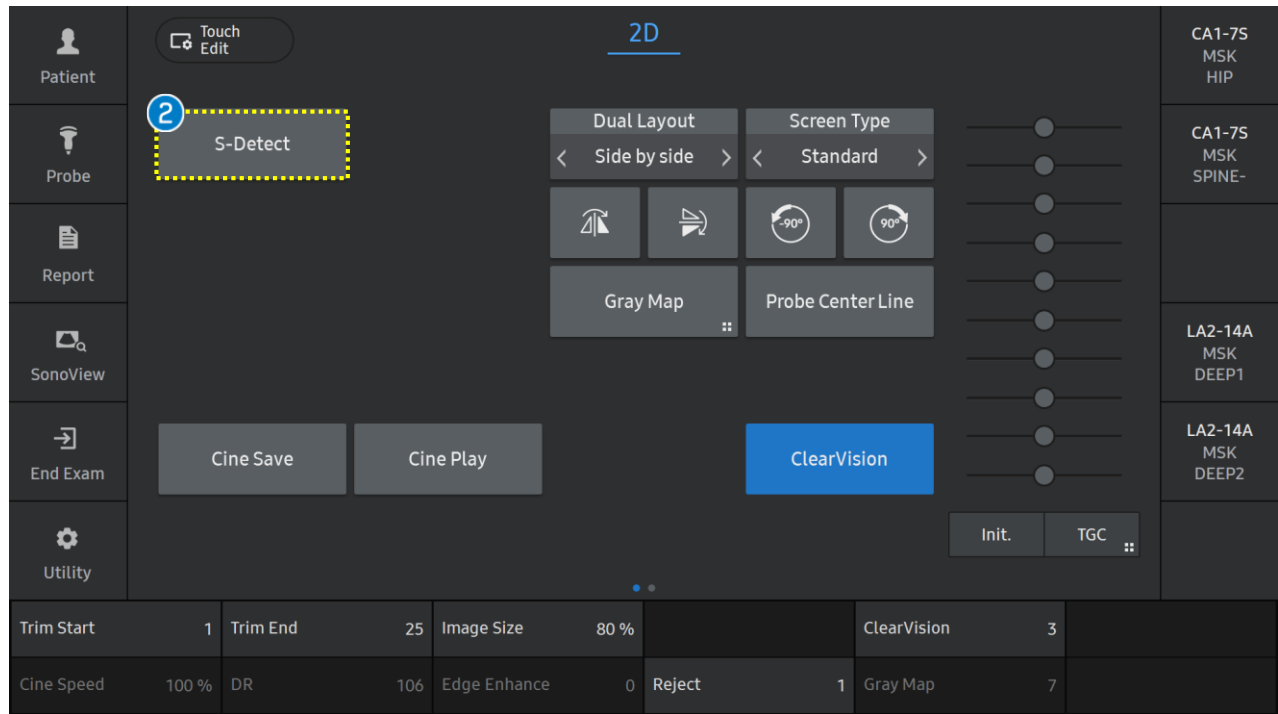


# S-Detect™ for Breast V series Quick Guide



S-Detect™ for Breast

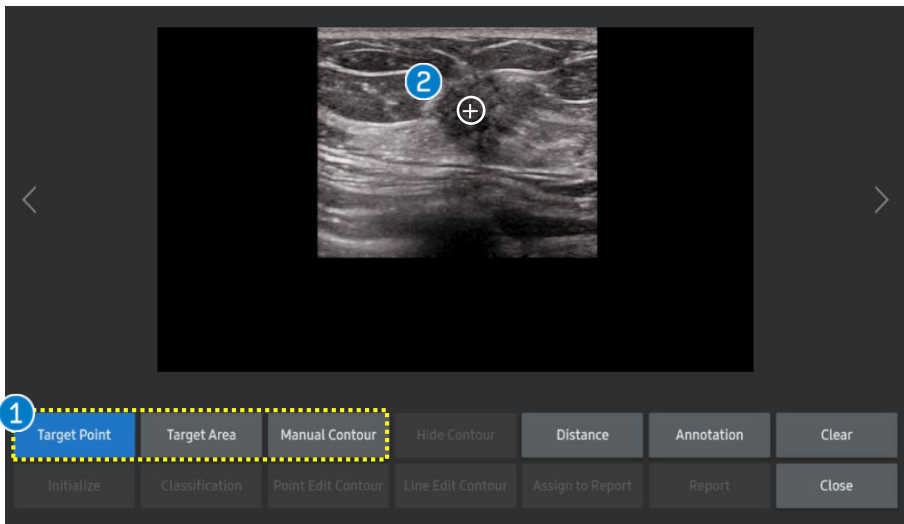
# 1. Start S-Detect™ for Breast



- |                            |   |
|----------------------------|---|
| <p>① Image Acquisition</p> | <p>Acquire the image including lesion in 2D mode and press the [Freeze] button.</p> |
| <p>② Start a S-Detect</p>  | <p>Tap [S-Detect] on the touch screen.</p>  |

S-Detect™ for Breast

# 2. Designate the ROI



**1 Detection method**

- Target Point (Default)
- Target Area
- Manual Contour

**2 Target Point**

Touch the center of the lesion on the touchscreen.  
Or place the cursor on the center of the lesion on the monitor and press the [Set] button.

**3 Detect the boundary**

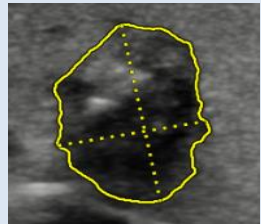
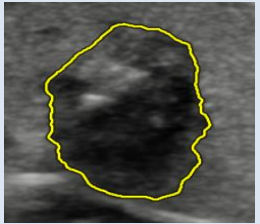
Lesion boundary is automatically detected and displayed as a green contour.

**4 Show the meas. line**

It is to display the measurement line (height, width) of the lesion.

Show the meas. line

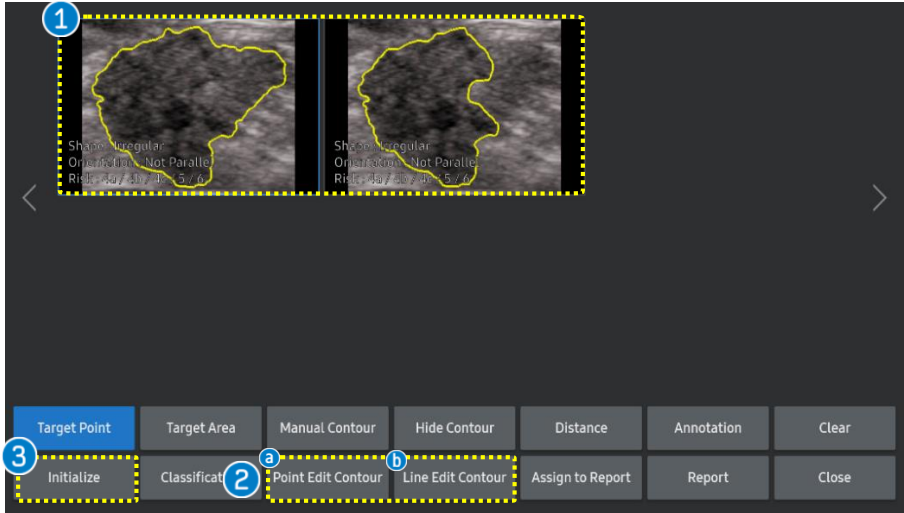
Show the meas. line



S-Detect™ for Breast

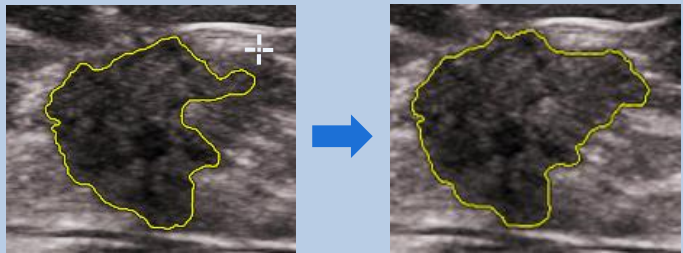
# 3. Select the Candidate and Edit



<p>1 Candidates</p>	<p>Candidate images are provided on the touch screen so you can choose the most suitable image. Select one image.</p>
<p>2 Edit Contour</p>	<p>If necessary, you can edit the contour of the selected candidate by tapping [Point Edit Contour] or [Line Edit Contour] on the touch screen.</p>
<p>3 Initialize</p>	<p>To reset all results, tap the [Initialize] button on the touch screen.</p>

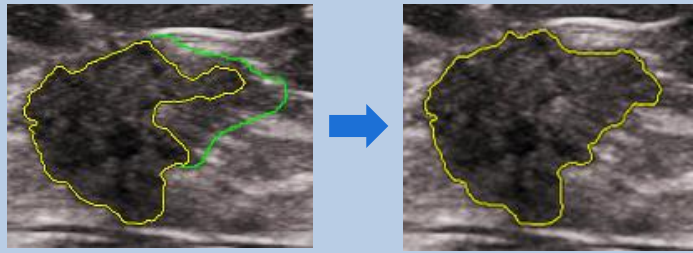
### a Point Edit contour

Place the cursor close to the part of the contour that you want to modify and press the [Set] button.

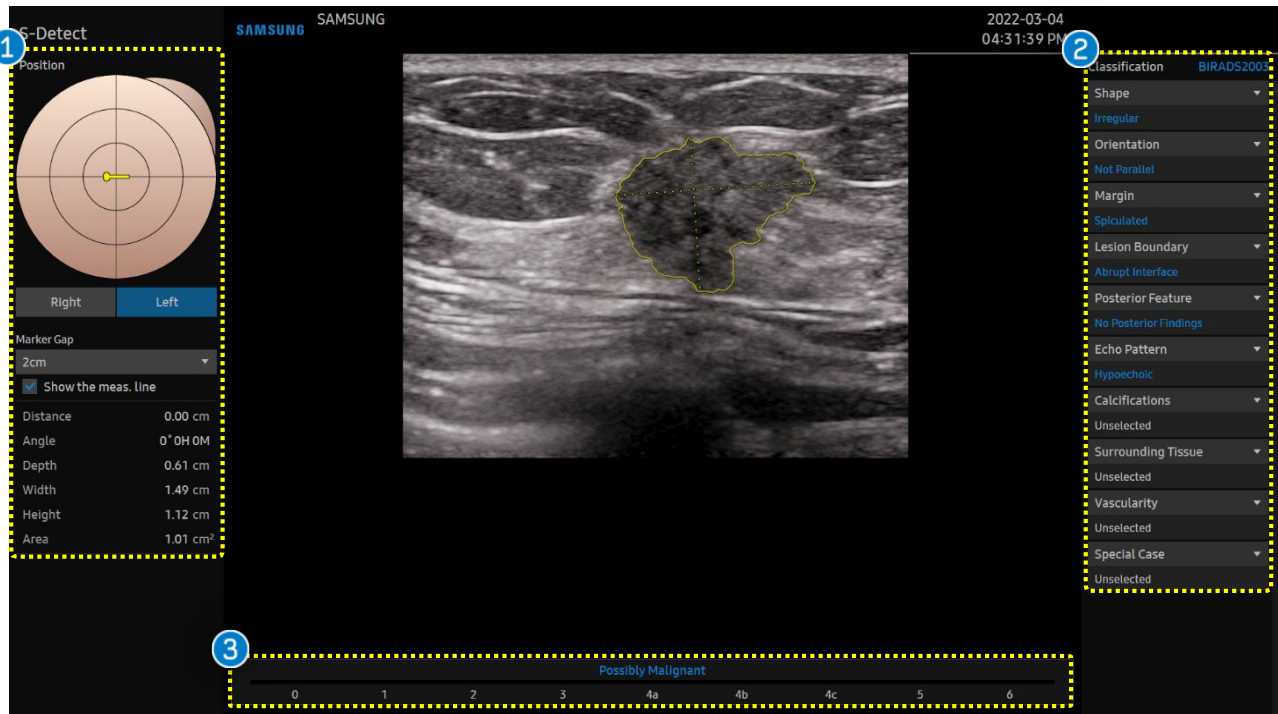


### b Line Edit contour

Draw the new boundary (green color) manually using trackball and press the [Set] button.

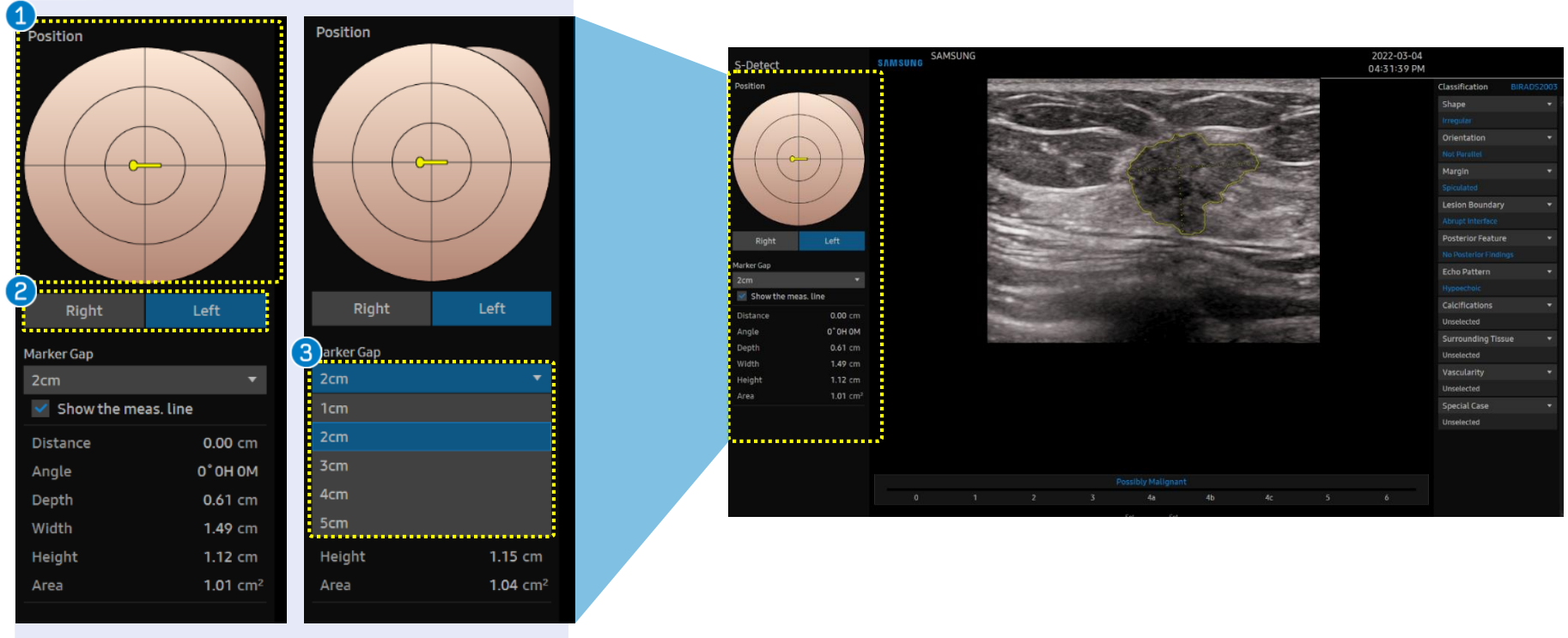


# 4. Select the Candidate and Edit



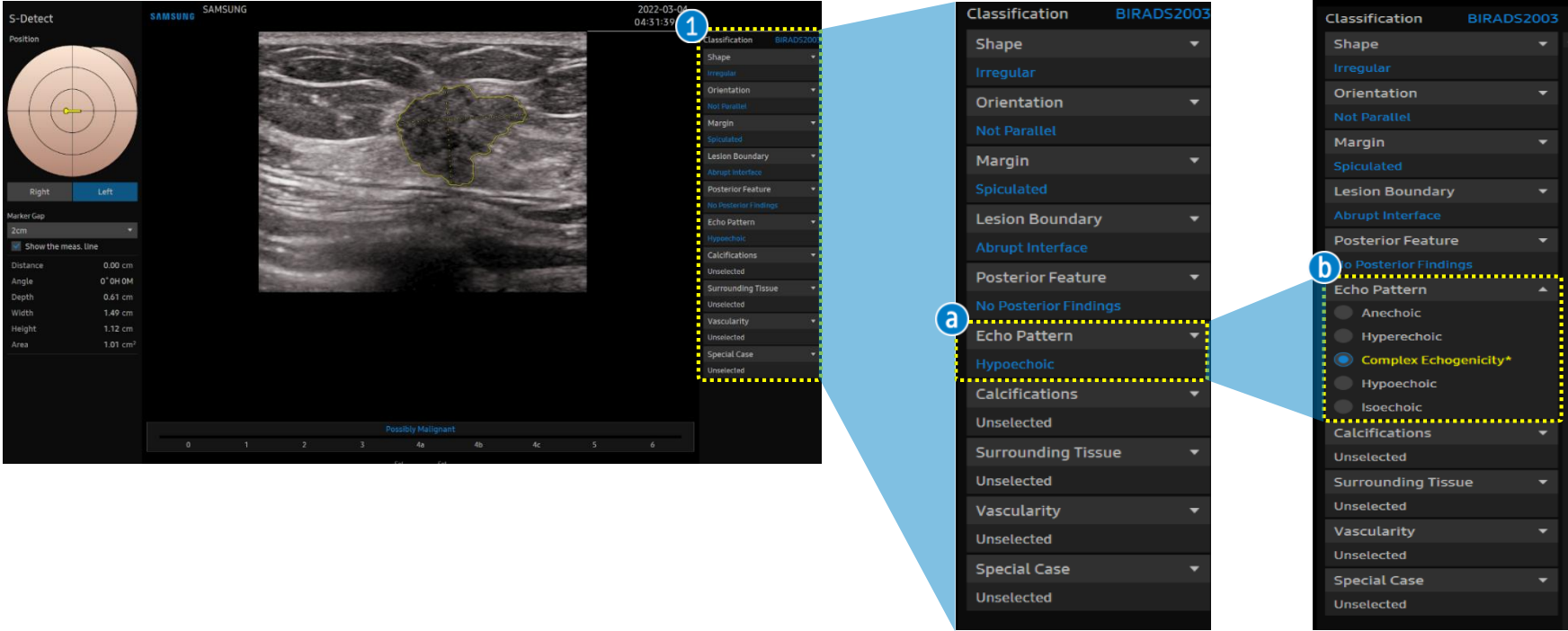
<p>1 Location information Area</p>	<p>Provides information about the location and the size of the lesion.</p>
<p>2 Classification</p>	<p>Provides the BI-RADS® Lexicon Classification for the lesion. 6 Classifications (Blue color) are automatically provided. 4 Classifications (White color) are 'Unselected', so it can be selected manually by users.</p>
<p>3 Description</p>	<p>S-Detect only suggests whether the lesion tends to be malignant or benign.</p>

# 5. Result page: Mark the position



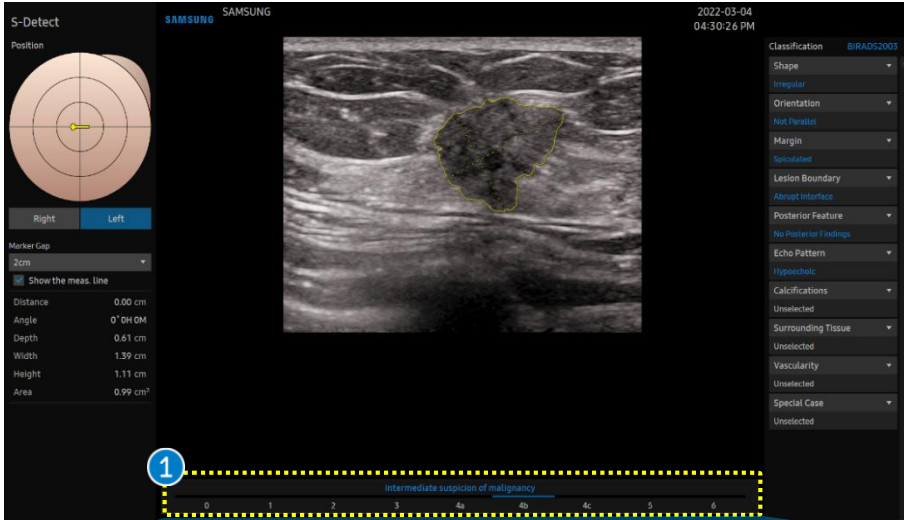
<p>1 Position</p>	<p>Locate the probe marker(yellow bar) according to lesion's location with the [Set] button. Use the [Angle] button on the control panel to rotate the marker.</p>
<p>2 Laterality</p>	<p>Select right or left breast with the [Set] button.</p>
<p>3 Marker Gap</p>	<p>Choose the size of the marker gap to change the scale. This indicates the distance from the nipple depending on the size of the patient's breast.</p>

# 6. Result page: Edit the classification



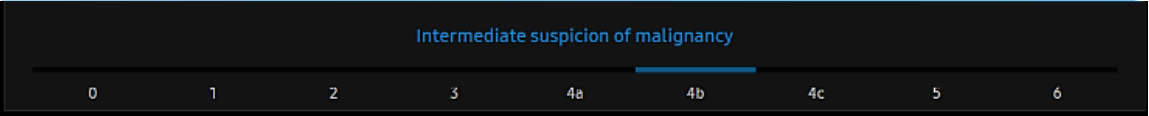
- 1 Classifications
- a Click the title of classification that you want to modify.
- b Edit the result. Modified Classification is represented in yellow. Classifications can also be edited on the touch screen.

# 7. Result page: BI-RADS® Score



1 BI-RADS® score

Designate the specific BI-RADS® Assessment Score on the bottom of the screen to make the final decision.



# 8. Assign to Report



- 1 **Assign to Report**

If you want to add S-Detect results to report, tap the [Assign to Report] button on the touch screen.
- 2 **Report**

Tap the [Report] button on the touch screen to confirm the result of S-Detect.

**2**

ID	SAMSUNG	Name	
Date of Birth(Age)		Gender	Exam Date 2022-03-04
<b>Indication</b>			
Diag. Physician	Ref. Physician	Operator	
<b>Left #1</b>			
	Distance	0.00 cm	Possibly Malignant 4a ~ 6
	Depth	0.61 cm	Classification BIRADS2003
	Marker Gap	2 cm	Shape Irregular
	Width	1.49 cm	Orientation Not Parallel
	Height	1.12 cm	Margin Not Circumscribed(Spiculated)
	Area	1.01 cm <sup>2</sup>	Lesion Boundary Abrupt Interface
	Angle	0.0 °	Posterior Feature No Posterior Findings
			Echo Pattern Hypochoic
			Calcifications Unselected
			Surrounding Tissue Unselected
		Vascularity Unselected	
		Special Case Unselected	

- 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 V series 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 V series V1.05.
- Disclaimer: Some Images in this content were obtained from other system.

**SAMSUNG MEDISON CO., LTD.**

© 2024 Samsung Medison All Rights Reserved.

Samsung Medison reserves the right to modify the design, packaging, specifications, and features shown herein, without prior notice or obligation.