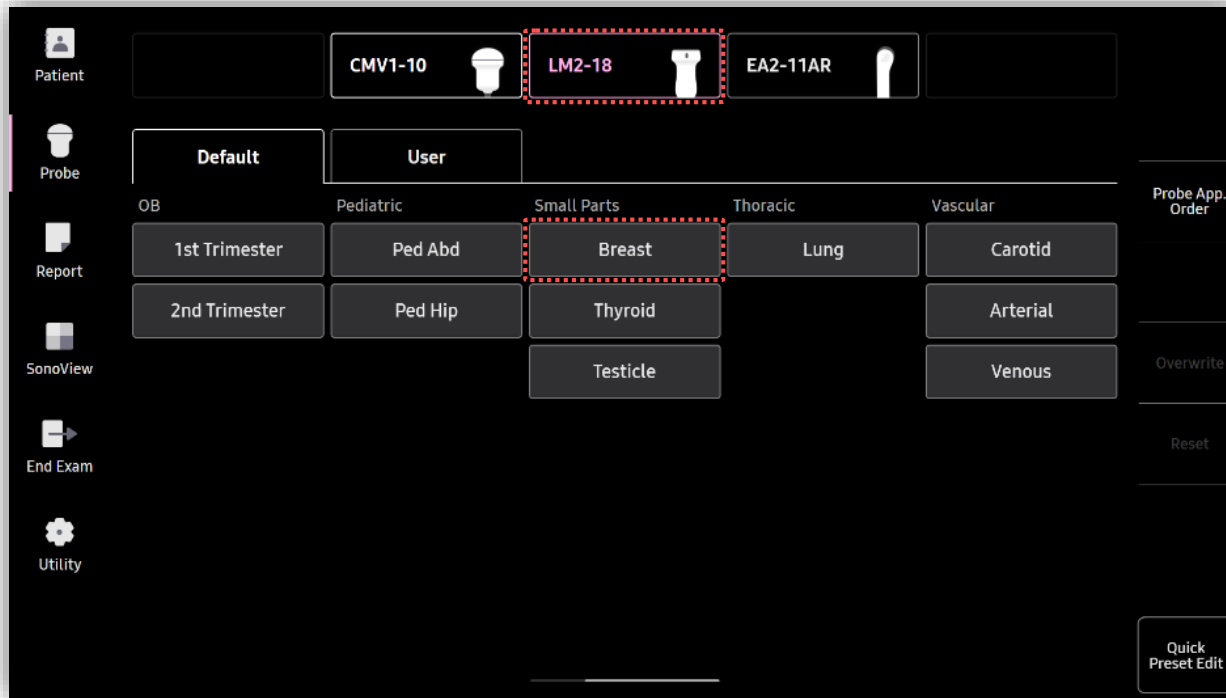


# S-Detect™ *for Breast*

## HERA Z20 Quick Guide



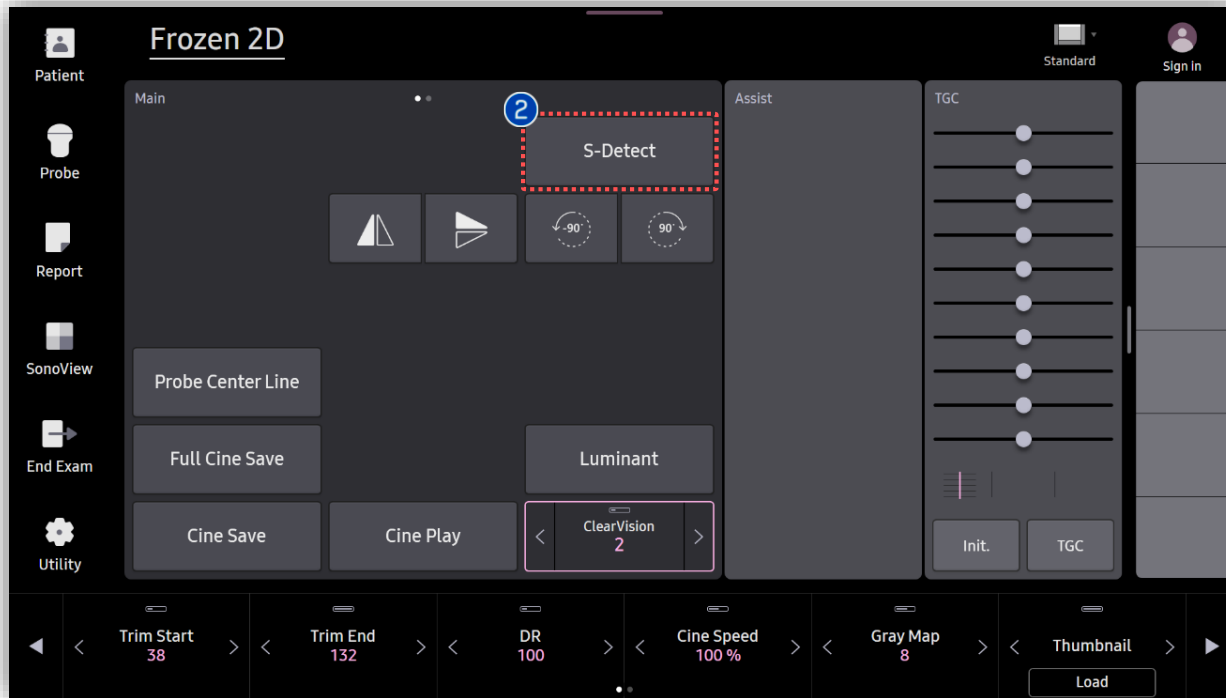
# 1. Probe and Preset



※ S-Detect for Breast™ can be operated under the following conditions :

Probe	Application
LM2-18	Small Parts (Breast)

## 2. Start S-Detect™ for Breast



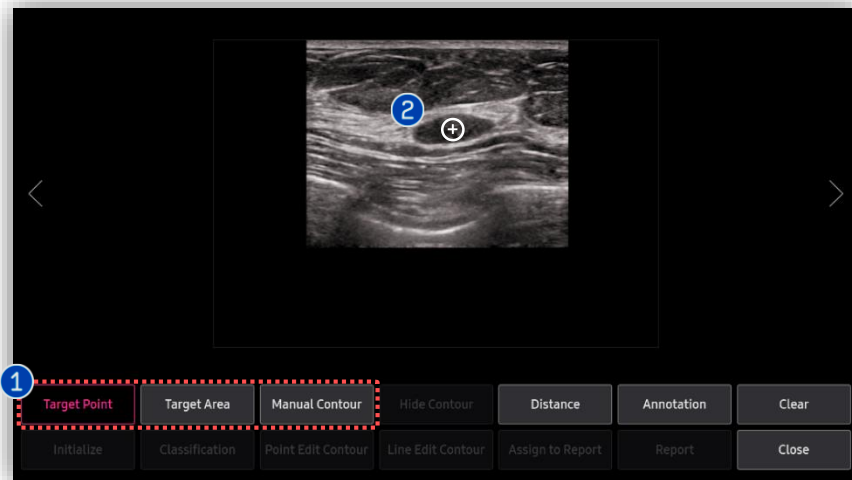
### ① Image acquisition

Acquire the image of the lesion in 2D mode and press the [Freeze] button.

### ② Start S-Detect

Tap [S-Detect] on the touch screen.

### 3. Designate the ROI



[ Touch Screen ]



[ Monitor Screen ]

① Detection method	<ul style="list-style-type: none"> <li>Target Point (Default mode)</li> <li>Target Area</li> <li>Manual Contour</li> </ul>
② Target Point	<p>Touch the center of the lesion on the touchscreen.</p> <p>Or locate the cursor on the center of the lesion on the monitor and press the [Set] button.</p>
③ Detect the boundary	Lesion boundary is automatically detected and displayed in yellow contour.

## 4. Select the Candidate and Edit



### 1 Candidates

Available candidate images are provided (up to 6) on the touch screen so that you can choose the most suitable image. To select, just tap on one of the images.

### 2 Edit Contour

If necessary, you can edit the contour of selected candidate by using [Point Edit Contour] or [Line Edit Contour] on the touch screen.

### 3 Initialize

To reset all results and re-specify, Tap [Initialize] button on the touch screen.

### a Point Edit Contour

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

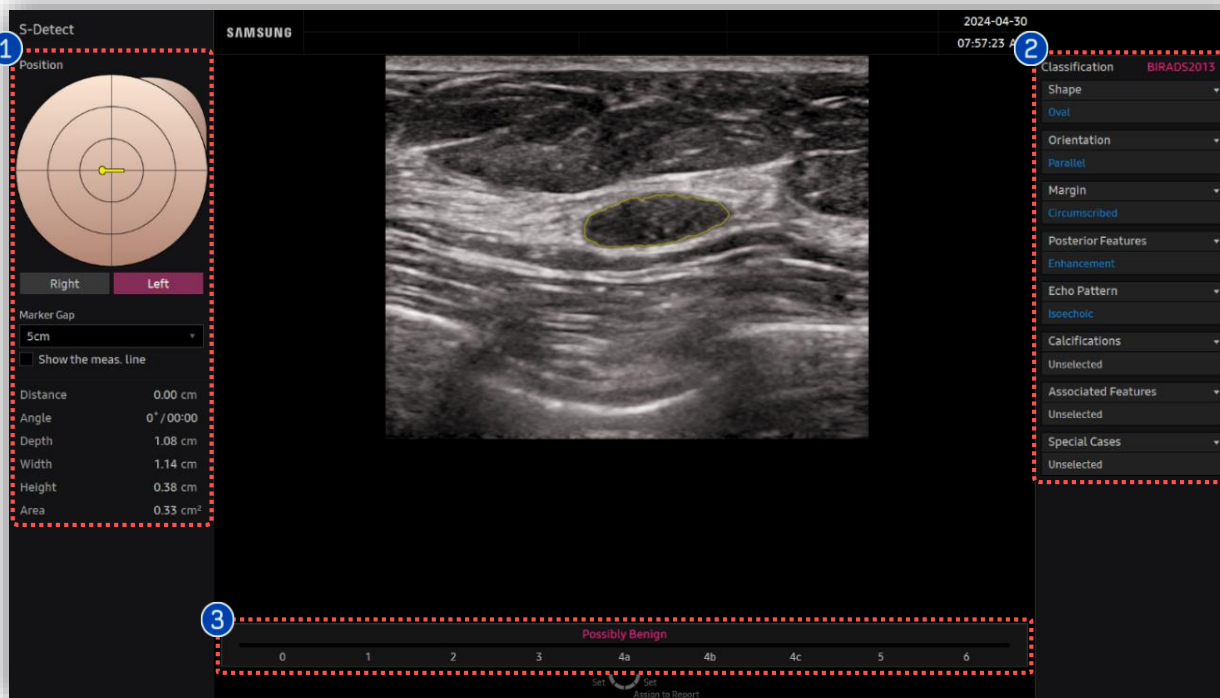


### b Line Edit Contour

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



# 5. Result Page



**1** Location information Area

Provides information about the location and the size of the lesion.

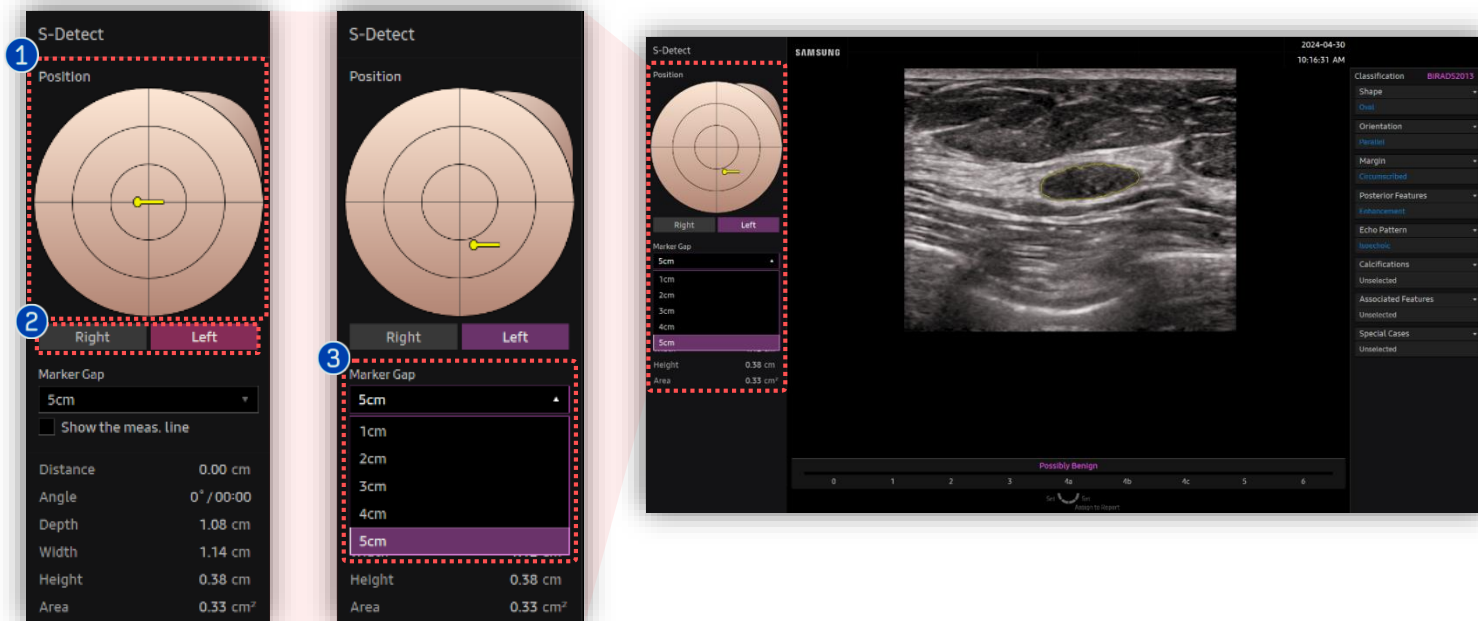
**2** Classification

Provides the BIRADS Lexicon Classification of the lesion.

**3** Description & BI-RADS Score

S-Detect only suggests whether the lesion tends to be malignant or benign.

## 6. Result Page: Mark the Position



### 1 Position

Locate the probe marker (yellow bar) according to the lesion's location with [Set] button. Use the [Angle] button on the control panel to rotate the marker.

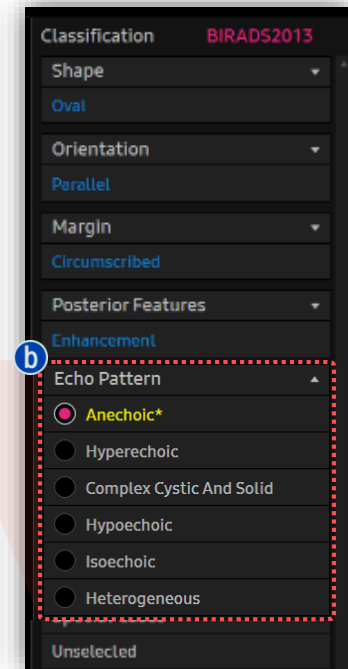
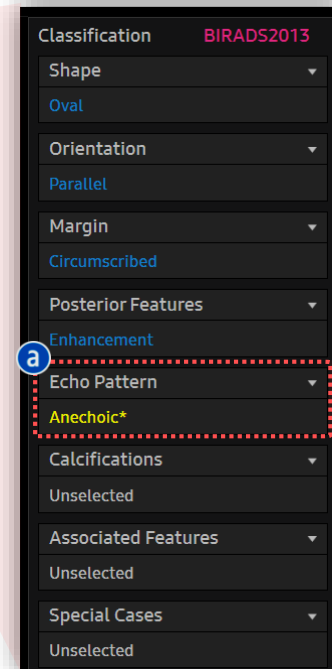
### 2 Laterality

Select right or left breast with [Set] button.

### 3 Marker Gap

Choose the marker gap size to change the scale of the distance from the nipple depending on the size of patient's breast.

# 7. Result Page: Edit the Classification (1)



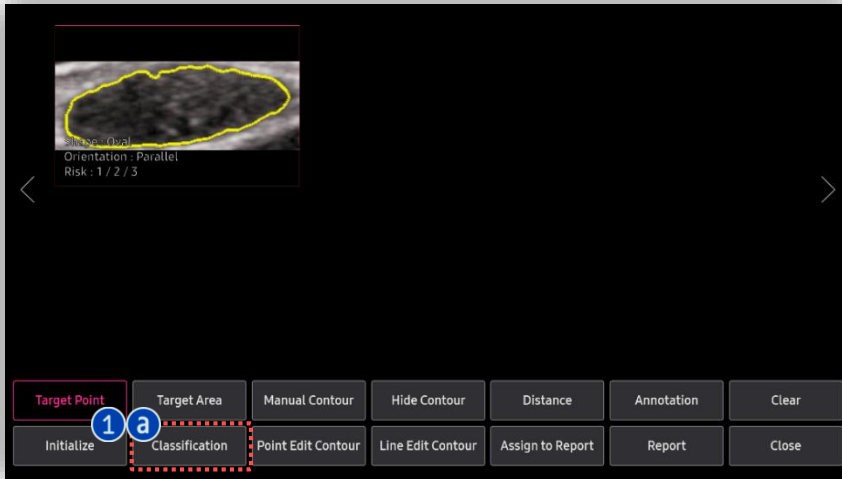
## ★ Tips

5 Classifications (blue color) are automatically provided.  
3 Classifications (white color) are 'Unselected', so it can be selected manually by users.

## 1 Classifications

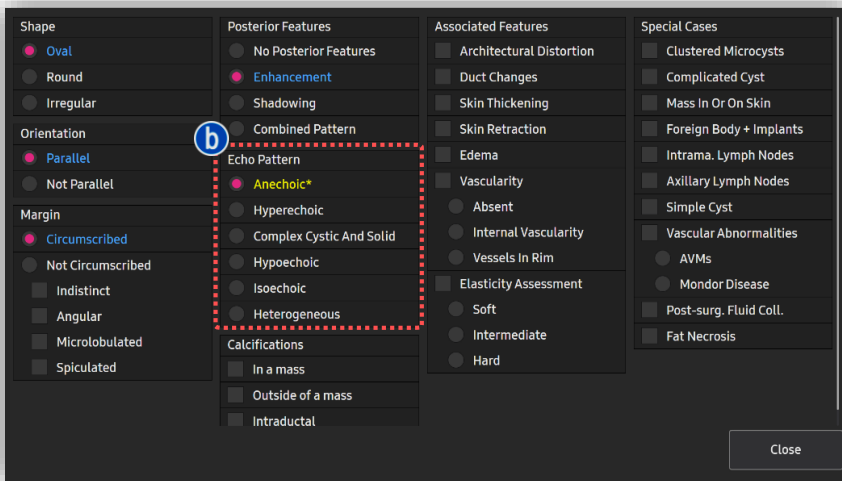
- a Click the title of classification that you want to modify.
- b Edit the result. Modified classification is presented in yellow color.

# 7. Result Page: Edit the Classification (2)



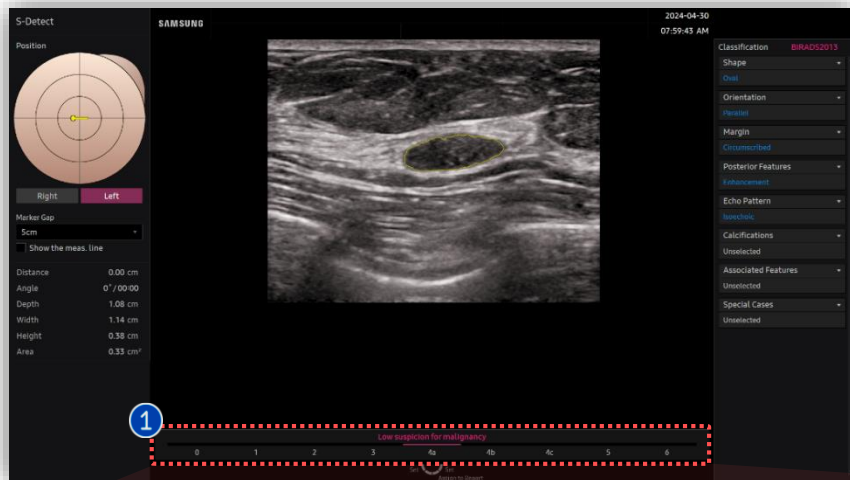
[ Touch Screen ]

- 1 Classifications
  - a Tap [Classification] button on the touchscreen.
  - b Edit the result.  
Modified classification is presented in yellow color.



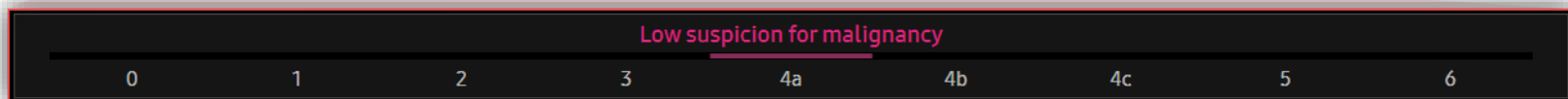
[ Touch Screen ]

# 8. Result Page: BI-RADS® Score

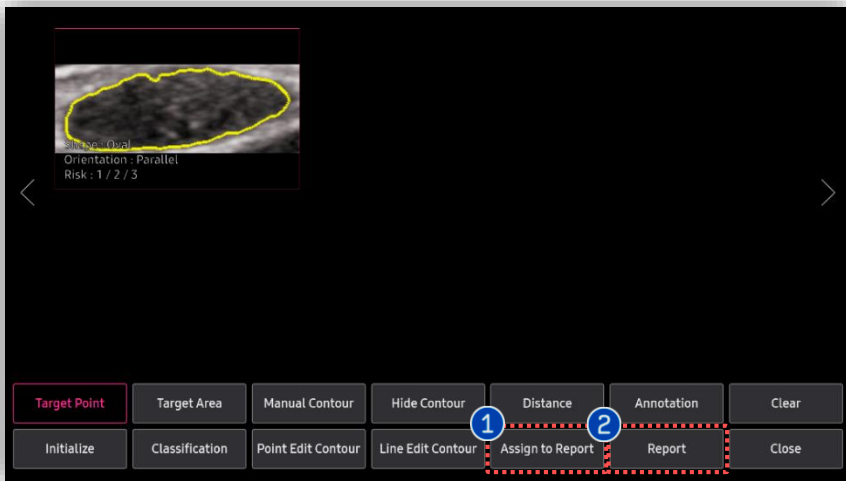


1 BI-RADS® score

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



# 9. Assign to Report

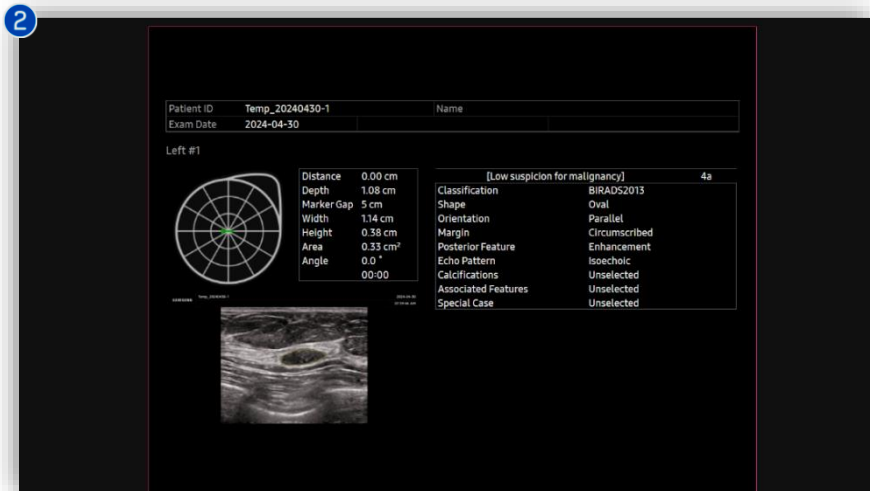


- 1 Assign to Report**

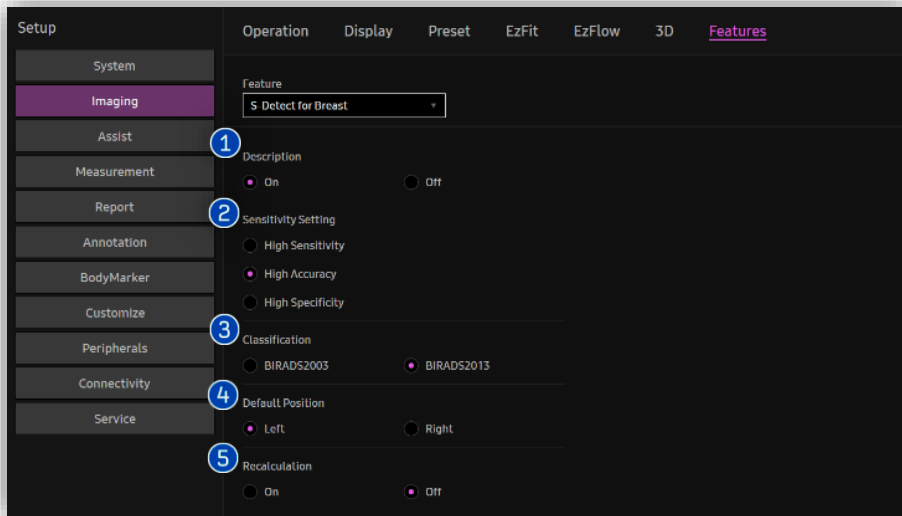
If you want to add the S-Detect results to the report, tap [Assign to Report] button on the touch screen.
- 2 Report**

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

Click [S-Detect for Breast Report] button on the left side.



## \* Appendix – Setup



1	Description	Turn on or off the description on the result page.
2	Sensitivity Setting	Select the sensitivity of S-detect.
3	Classification	Select the classification system, 'BI-RADS® 2003' or 'BI-RADS® 2013.'
4	Default Position	Select the default side of breast
5	Recalculation	Select whether you want recalculation when there is an edit in the classification.

## ★ Tips

You can edit the settings for S-detect in the Setup page.

Utility → Setup → Imaging → S-Detect → S-detect for Breast

- The features mentioned in this document may not be commercially available in all countries. Due to regulatory reasons, their future availability cannot be guaranteed.
- Do not distribute this internal document to customers unless relevant regulatory and legal affairs officers approve such distribution.
- This product is a medical device, please read the user manual carefully before use.
- This document is provided to help you understand the feature.
- This User Quick Guide is based on HERA Z20 V1.00
- Disclaimer: Some Images in this content were obtained from other system.

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