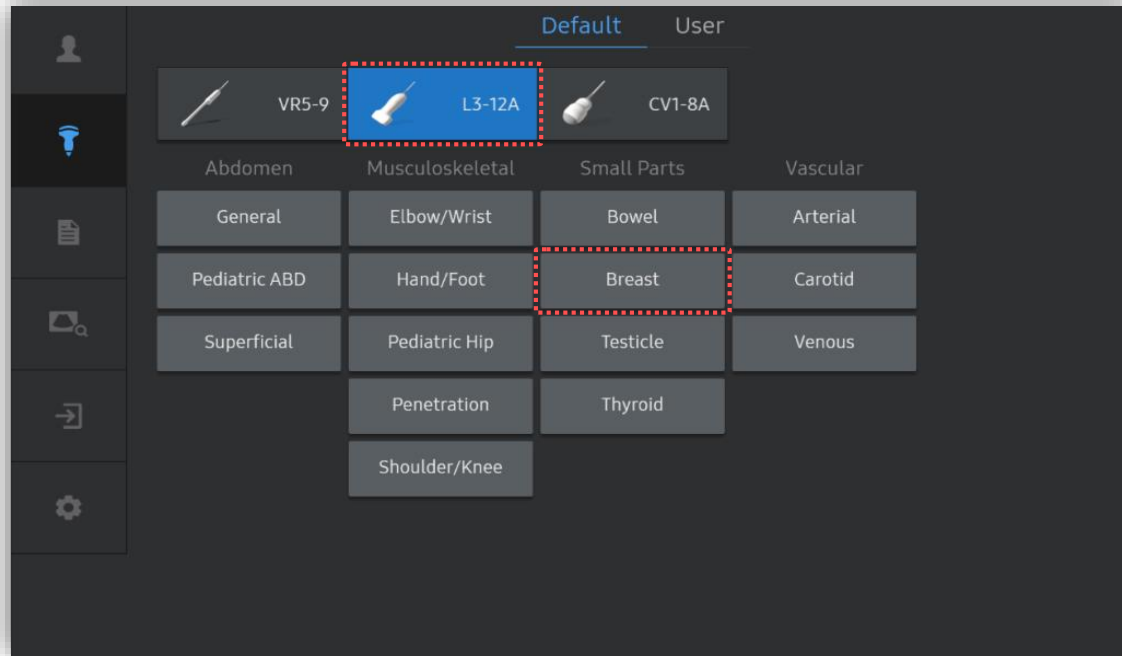SAMSUNG

S-Detect™ *for Breast*

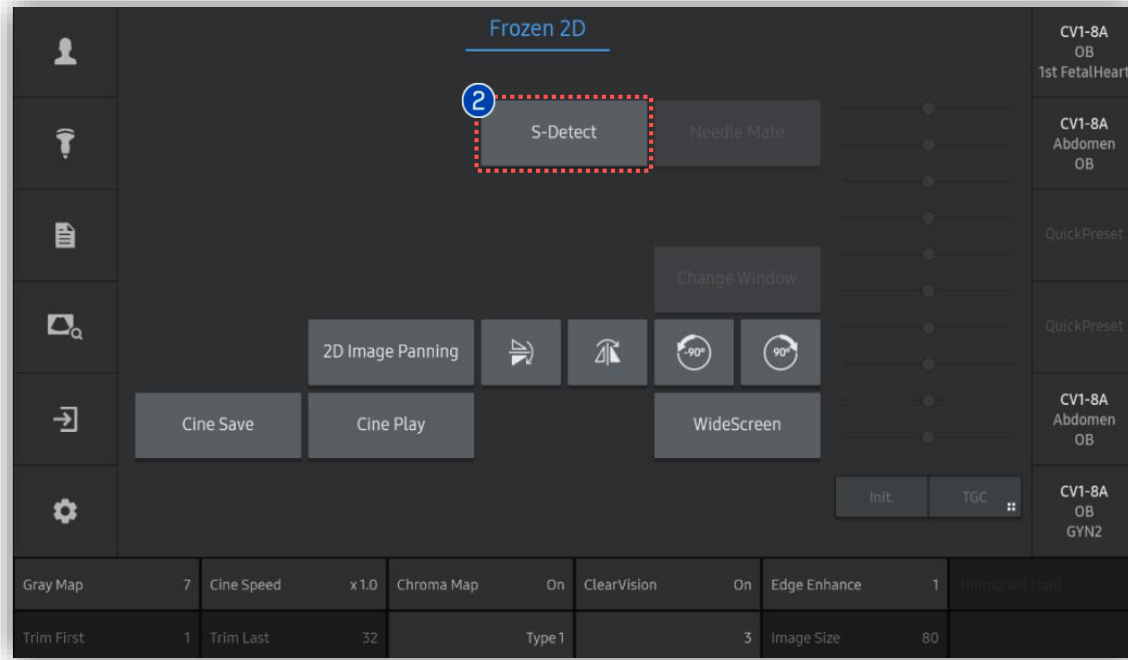## HERA W10 **Quick Guide**

1. Probe and Preset

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

Probe	Application
L3-12A LA2-9A LA2-14A LA4-18B	Small Parts (Breast)

S-Detect™ *for Breast*

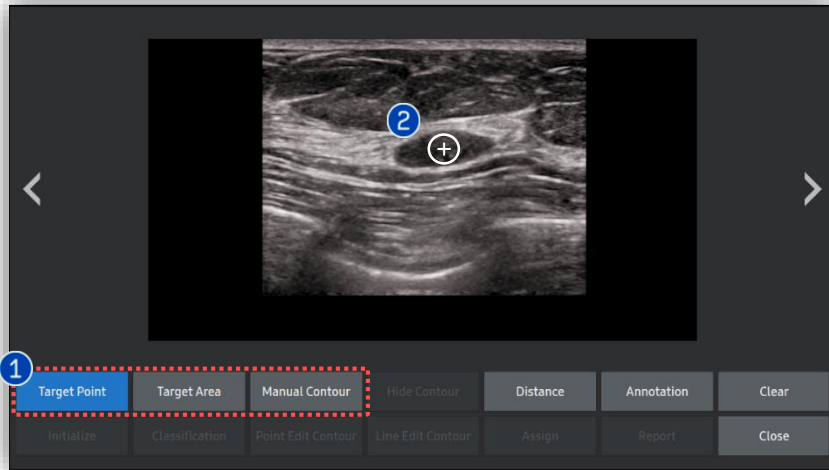# 2. Start S-Detect™ *for Breast*

❶ **Image acquisition**	Acquire the image of the lesion in 2D mode and press the [Freeze] button.
❷ **Start S-Detect**	Tap [S-Detect] on the touch screen.

S-Detect™ *for Breast*　　# 3. Designate the ROI

[Touch Screen]
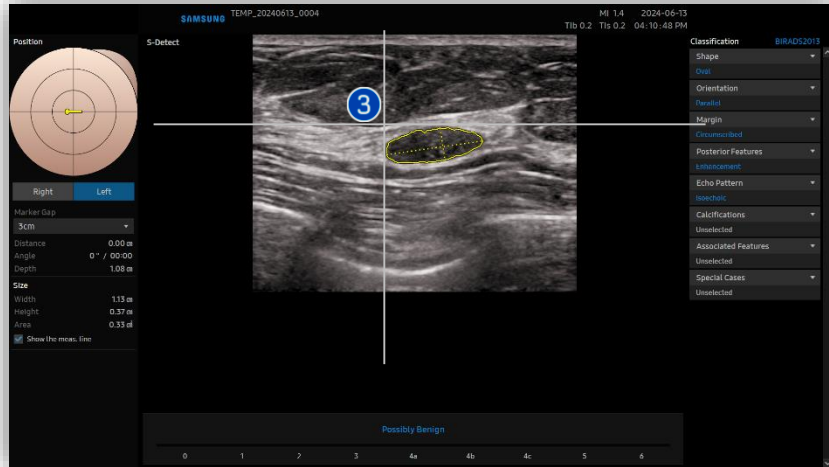
[Monitor Screen]

|		
❶	Detection method	▪ Target Point (Default mode) ▪ Target Area ▪ Manual Contour
❷	Target Point	Touch the center of the lesion on the touchscreen. Or locate the cursor on the center of the lesion on the monitor and press the [Set] button.
❸	Detect the boundary	Lesion boundary is automatically detected and displayed in yellow contour.

S-Detect™ *for Breast*

4. Select the Candidate and Edit
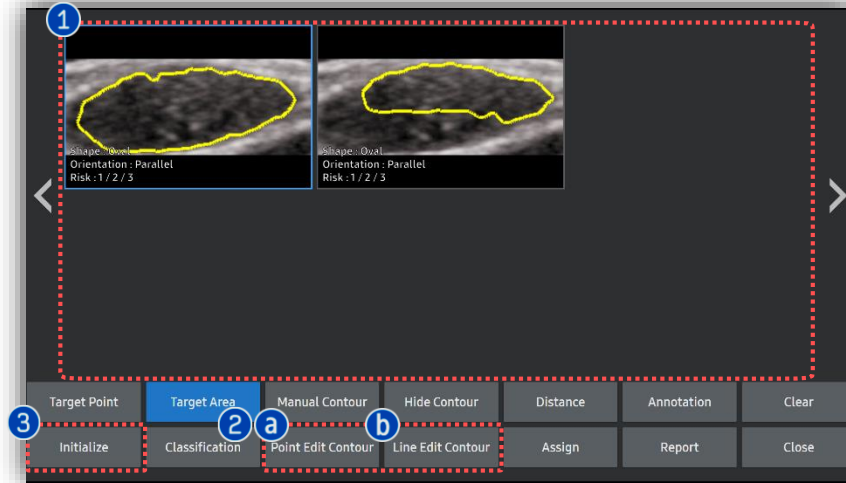
❶ Candidates		Available candidate images are provided (up to 6) on the touch screen so that you can choose the most suitable image. To select, just tap on one of the images.
❷ Edit Contour		If necessary, you can edit the contour of selected candidate by using [Point edit contour] or [Line edit contour] on the touch screen.
❸ Initialize		To reset all results and re-specify, Tap [Initialize] button on the touch screen.

| ❶ Point Edit contour	❷ Line Edit contour
Locate the cursor close to the part of contour that you want to modify and press the [Set] button.	Draw the new boundary (green color) manually using the trackball and press the [Set] button.

5. Result Page
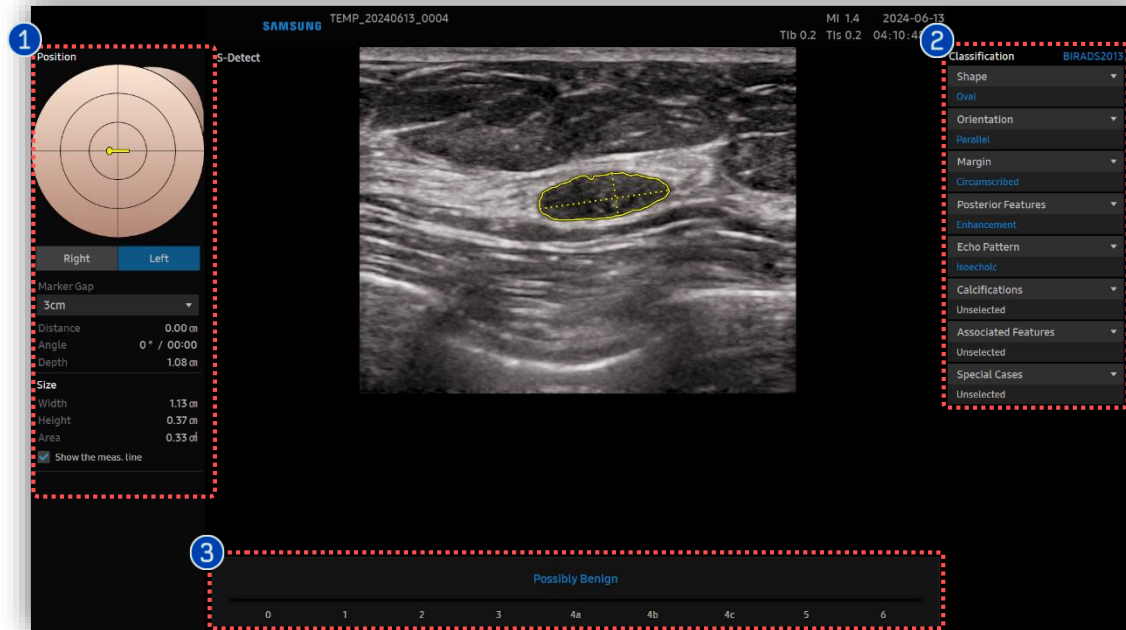
❶	**Location information Area**	Provides information about the location and the size of the lesion.
❷	**Classification**	Provides the BIRADS Lexicon Classification of the lesion.
❸	**Description & BI-RADS Score**	S-Detect only suggests whether the lesion tends to be malignant or benign.

S-Detect™ *for Breast*

6. Result Page: Mark the Position
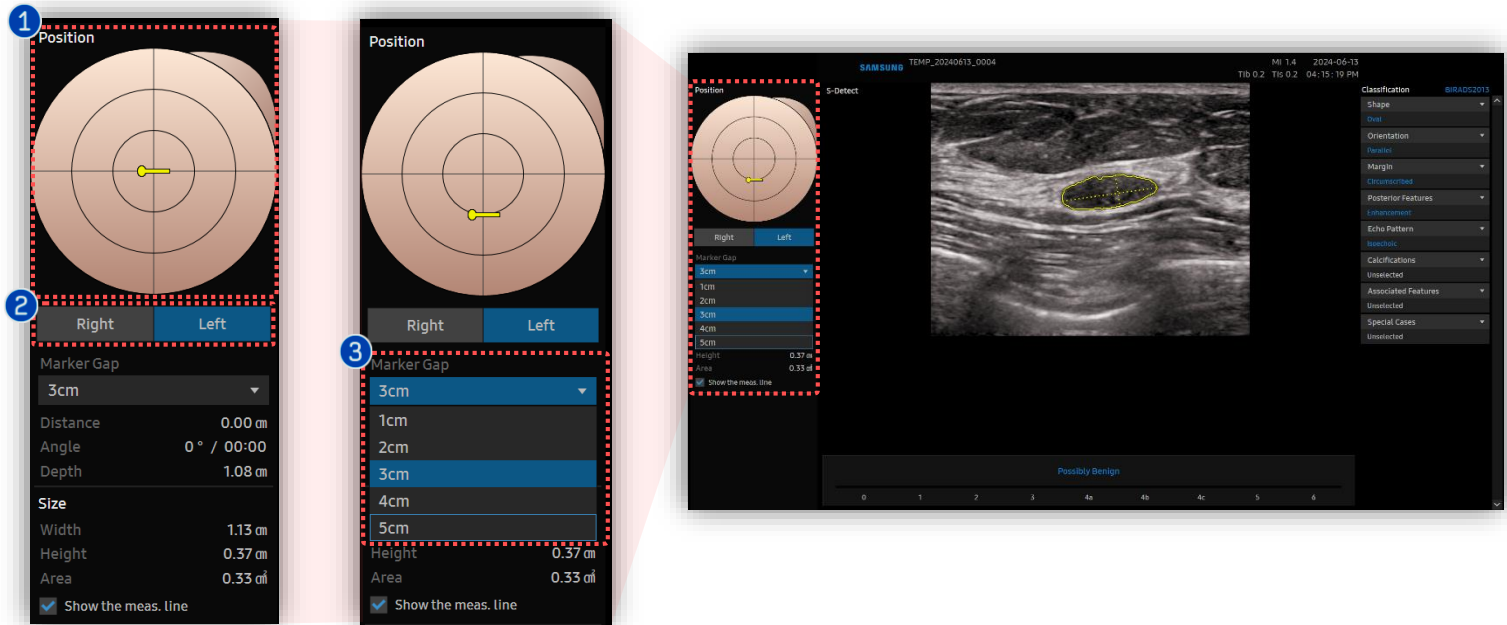
|		
①	**Position**	Locate the probe marker (yellow bar) according to lesion's location with [Set] button. Use the [Angle] button on the control panel to rotate the marker.
②	**Laterality**	Select right or left breast with [Set] button.
③	**Marker Gap**	Choose the marker gap size to change the scale of the distance from the nipple depending on the size of patient's breast.

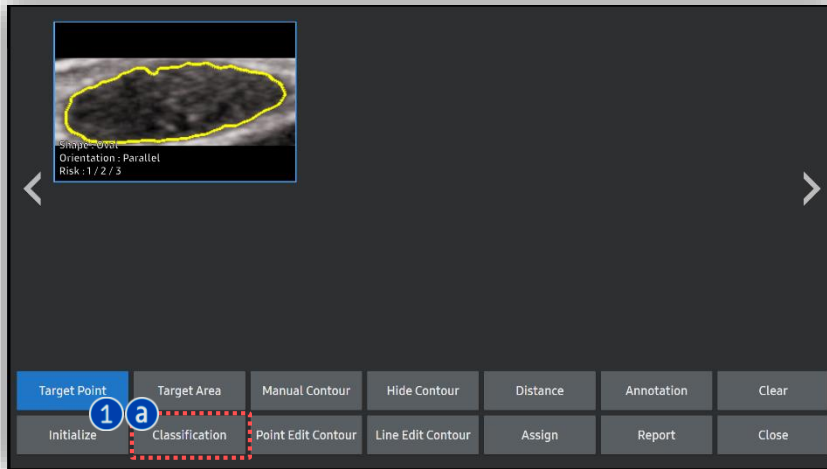# 7. Result Page: Edit the Classification (1)
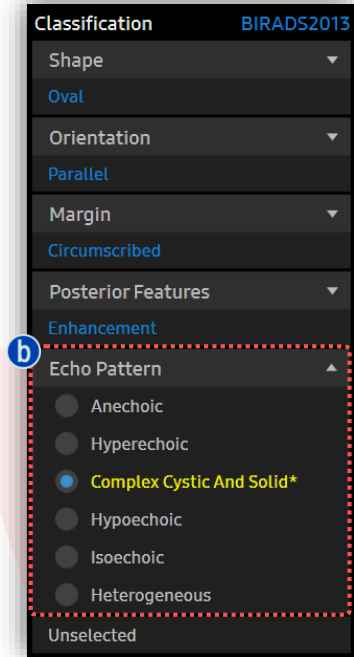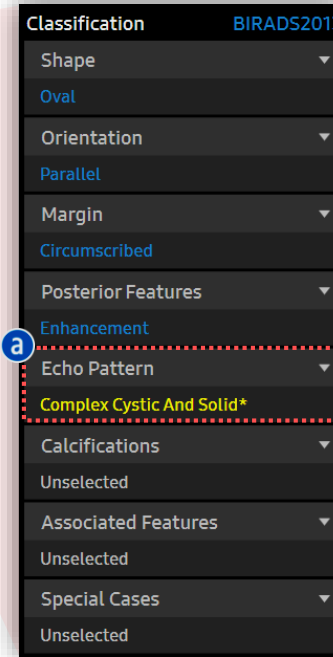
★ Tips

5 Classifications (blue color) are automatically provided.

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

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❶ Classifications

ⓐ Click the title of classification that you want to modify.

ⓑ Edit the result. Modified Classification is presented in yellow color.
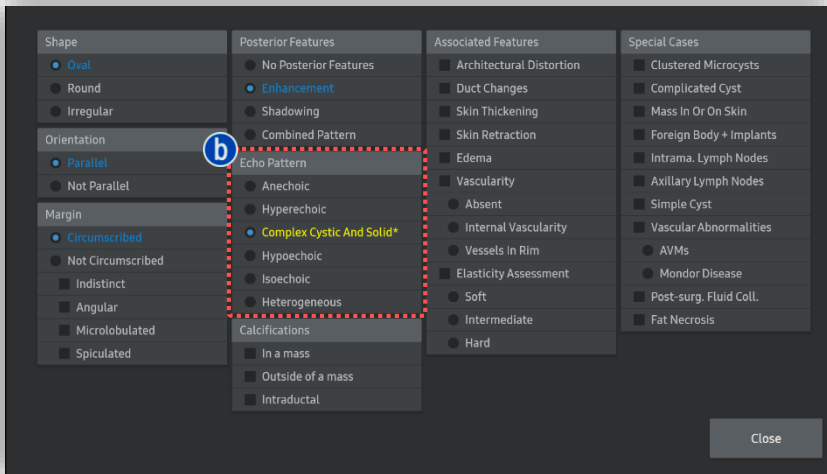
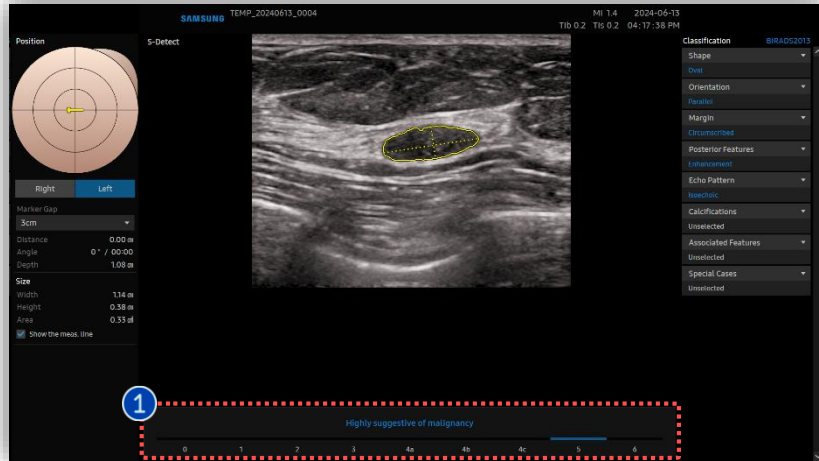# 7. Result Page: Edit the Classification (2)

[Touch Screen]

1 Classifications

a Tap [Classification] button on the touchscreen.

b Edit the result.
Modified classification is presented in yellow color.

[Touch Screen]

S-Detect™ *for Breast*
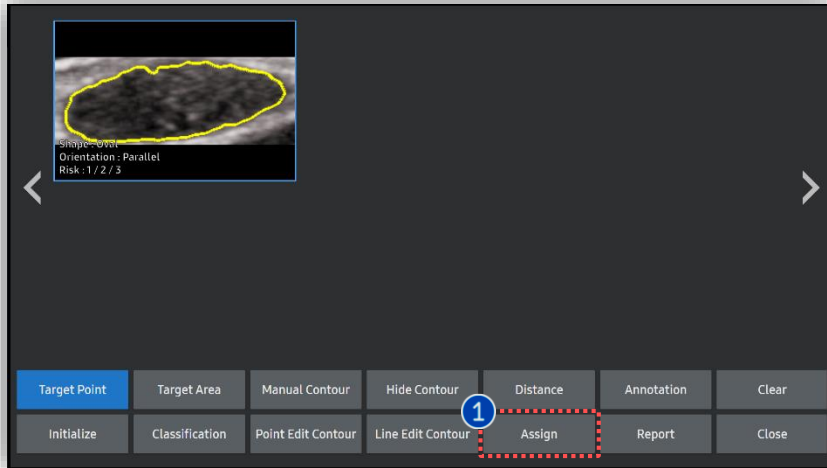
8. Result Page: BI-RADS® Score

①　BI-RADS® score

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

Highly suggestive of malignancy

| 0 | 1 | 2 | 3 | 4a | 4b | 4c | 5 | 6 |

S-Detect™ *for Breast*

9. Assign to Report

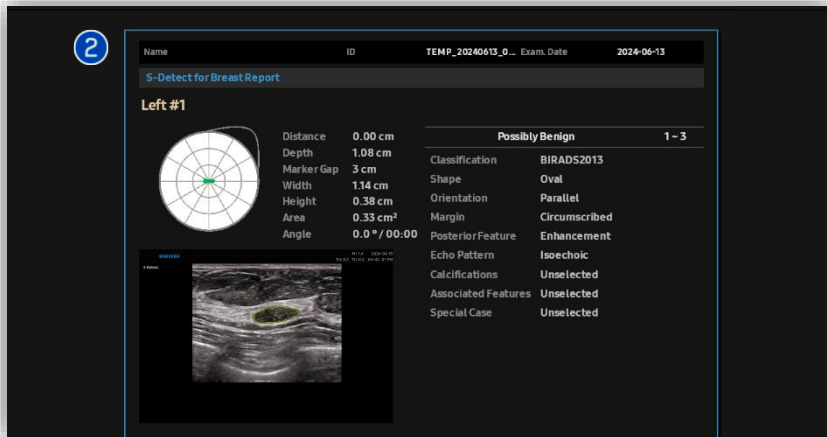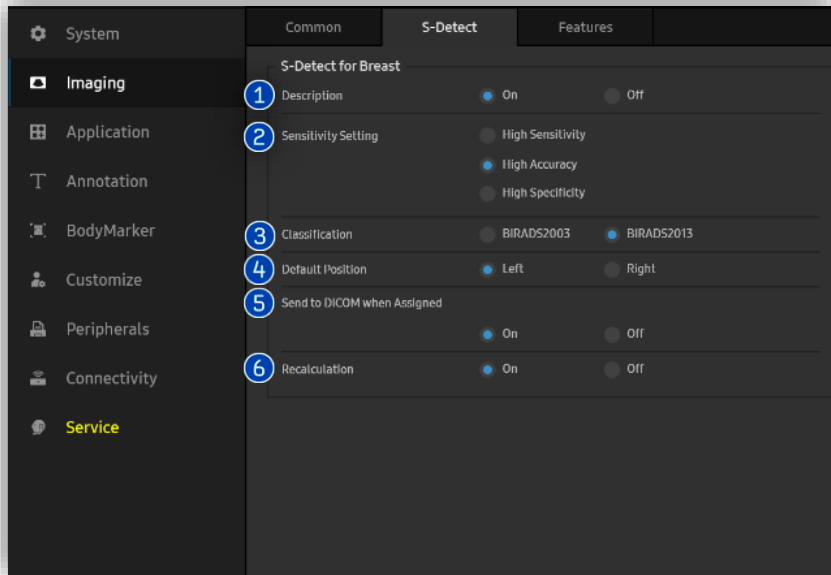
❶	Assign	If you want to add the S-Detect results to the report, tap [Assign] button on the touch screen.
❷	Report	Tap the [Report] button on the touch screen to confirm the result of S-Detect. Click [S-Detect for Breast Report] button on the left side.

S-Detect™ *for Breast* * Appendix – Setup

❶	Description	Turn on or off the description on the result page.
❷	Sensitivity Setting	Select the sensitivity of S-detect.
❸	Classification	Select the classification system, 'BI-RADS® 2003' or 'BI-RADS® 2013.'
❹	Default Position	Select the default side of breast
❺	Send to DICOM when Assigned	Select whether to send all result to DICOM when assigned
❻	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 → Features → 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 W10 V1.03.03d
- Disclaimer: Some Images in this content were obtained from other system.