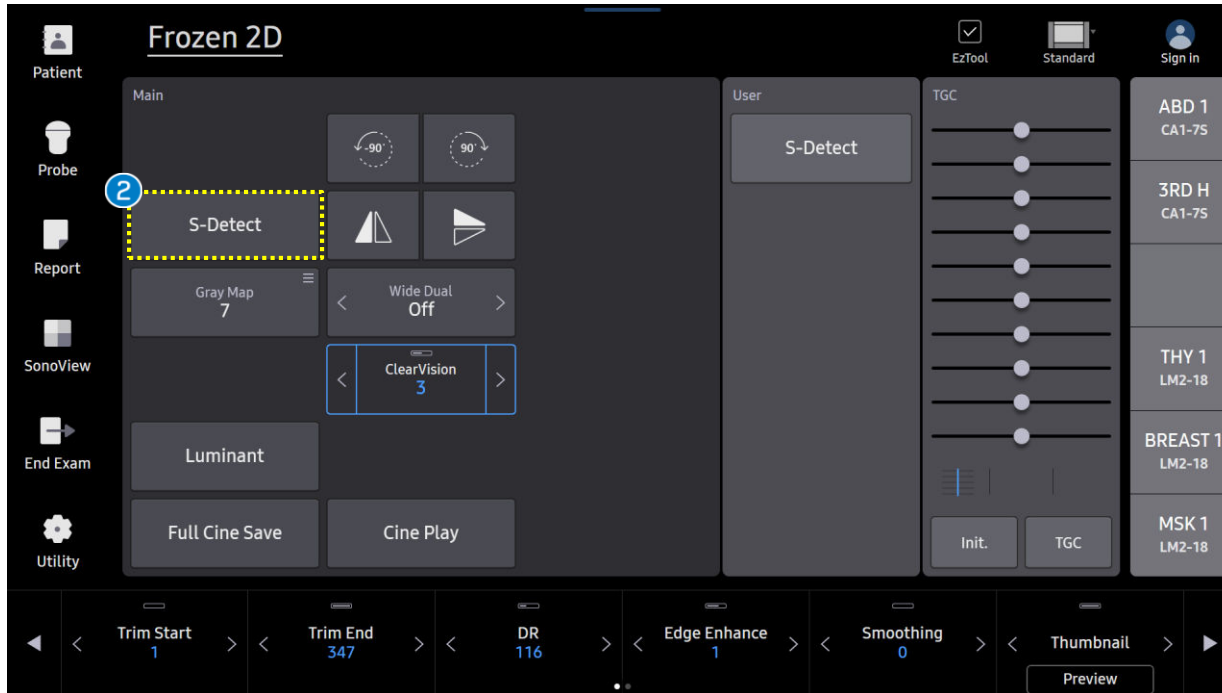


S-Detect™ for Breast

R20 Quick Guide



1. Start S-Detect™ for Breast



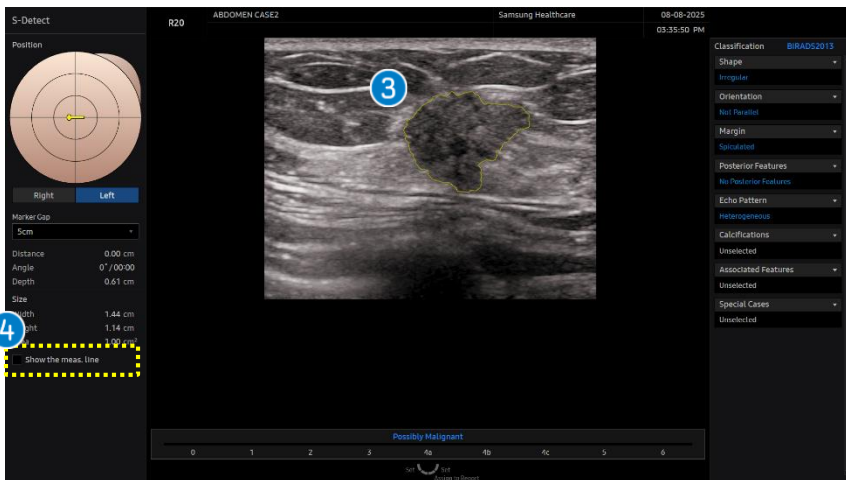
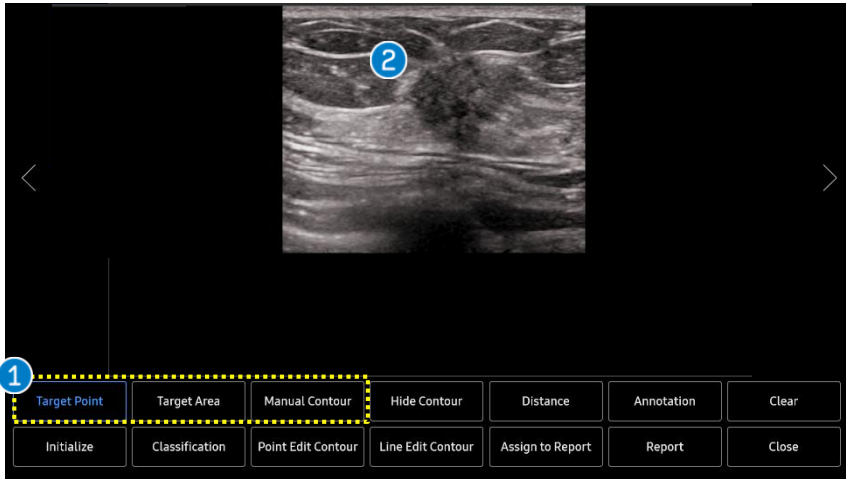
1 Image Acquisition

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

1 Start a S-Detect

Tap [S-Detect] on the touch screen.

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.

2 ROI mode

When using E-Strain, you can turn on or off [ROI Mode] depending on the area of interest.

3 Show the meas. line

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



3. Select the Candidate and Edit



1 Candidates

Candidate images are provided on the touch screen so you can choose the most suitable image. Select one image.

2 Edit Contour

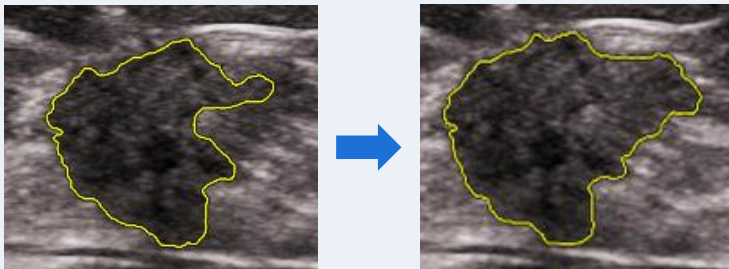
If necessary, you can edit the contour of the selected candidate by tapping [Point Edit Contour] or [Line Edit Contour] on the touch screen.

3 Initialize

To reset all results, tap the [Initialize] button on the touch screen.

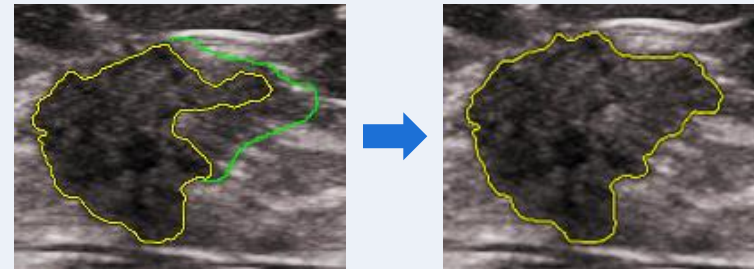
a Point Edit contour

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



1 Location information Area

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

2 Classification

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.

3 Description

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

5. Result page: Mark the position

The image displays the S-Detect software interface for marking a lesion's position. It is divided into three numbered steps:

- Position:** A circular target with concentric rings and a yellow marker. The marker is positioned at the center, and the [Set] button is highlighted.
- Laterality:** The [Right] and [Left] buttons are visible. The [Left] button is highlighted.
- Marker Gap:** A dropdown menu shows the marker gap size, currently set to 5cm. The [Set] button is highlighted.

The control panel displays the following measurement data:

Distance	0.00 cm
Angle	0° / 00:00
Depth	0.61 cm
Size	
Width	1.44 cm
Height	1.14 cm
Area	1.00 cm ²

The [Show the meas. line] checkbox is unchecked.

The larger inset shows the full software interface, including a BIRADS2013 classification panel on the right with the following settings:

Classification	BIRADS2013
Shape	Irregular
Orientation	Not Parallel
Margin	Spiculated
Posterior Features	No Posterior Features
Echo Pattern	Heterogeneous
Calcifications	Unselected
Associated Features	Unselected
Special Cases	Unselected

1 Position

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.

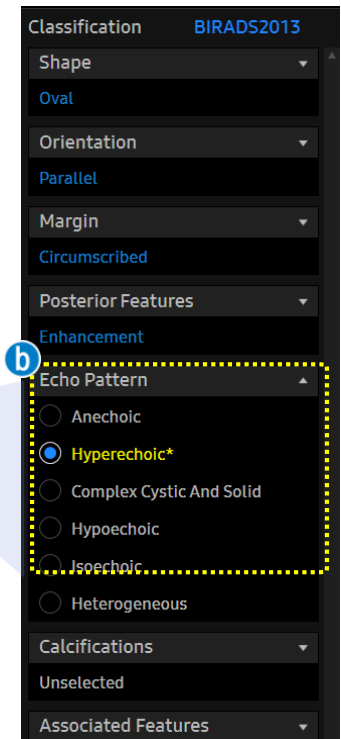
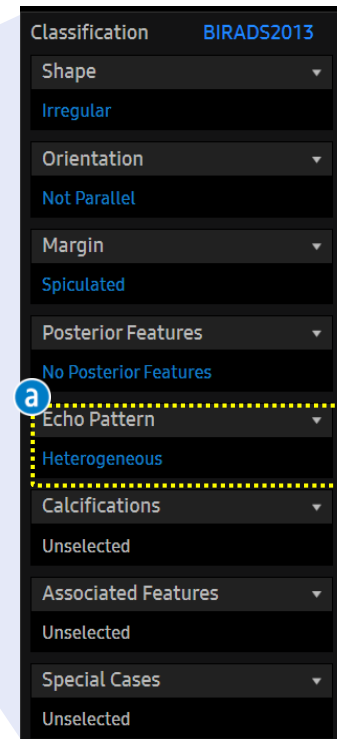
2 Laterality

Select right or left breast with the [Set] button.

3 Marker Gap

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.

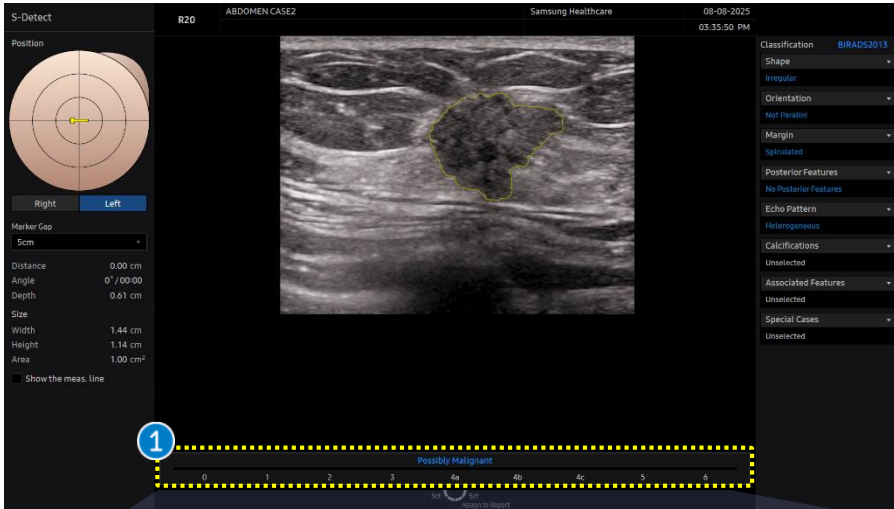
6. Result page: Edit the classification



1 Classifications

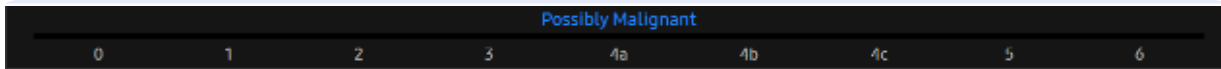
- 1 Classifications can also be edited on the touch screen.
- a Click the title of classification that you want to modify.
- b Edit the result. Modified Classification is represented in yellow.

7. Result page: BI-RADS® Score

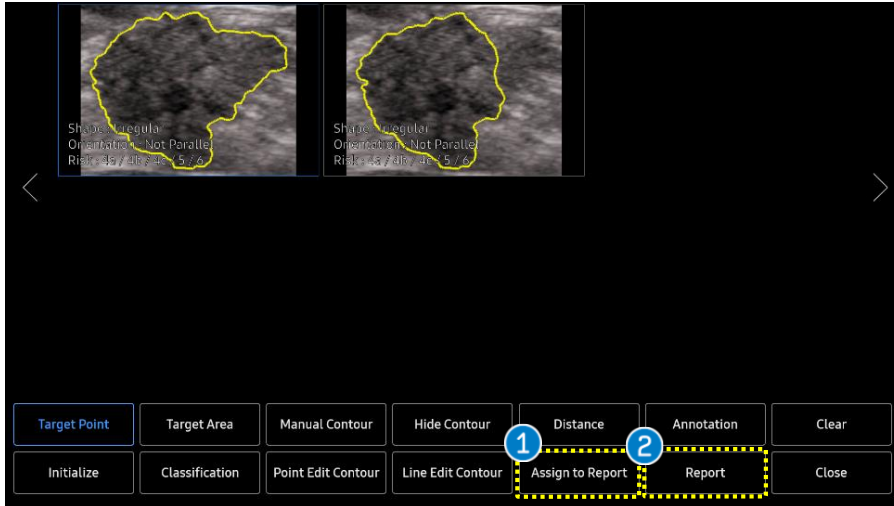


1 BI-RADS® score

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



8. Assign to Report

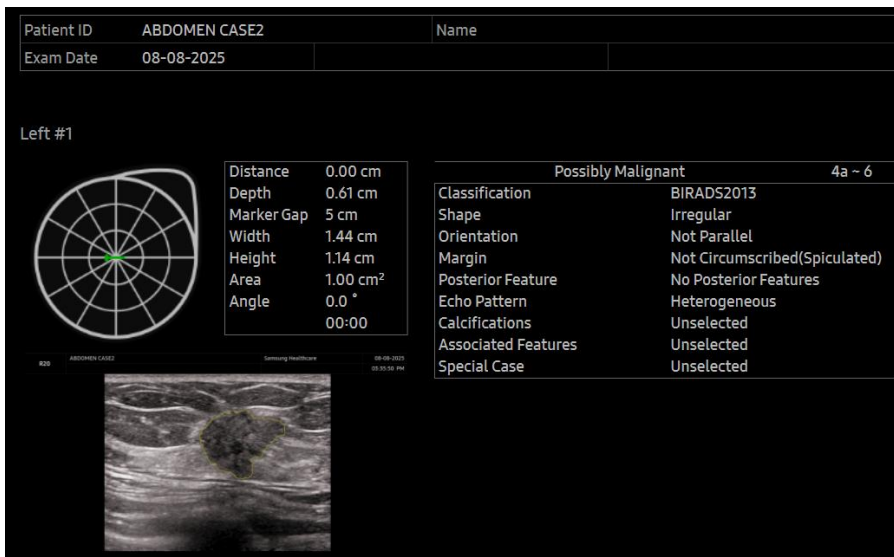


1 Assign to Report

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.



- 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 R20 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 R20 V1.01.
- Disclaimer: Some Images in this content were obtained from other system.

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