

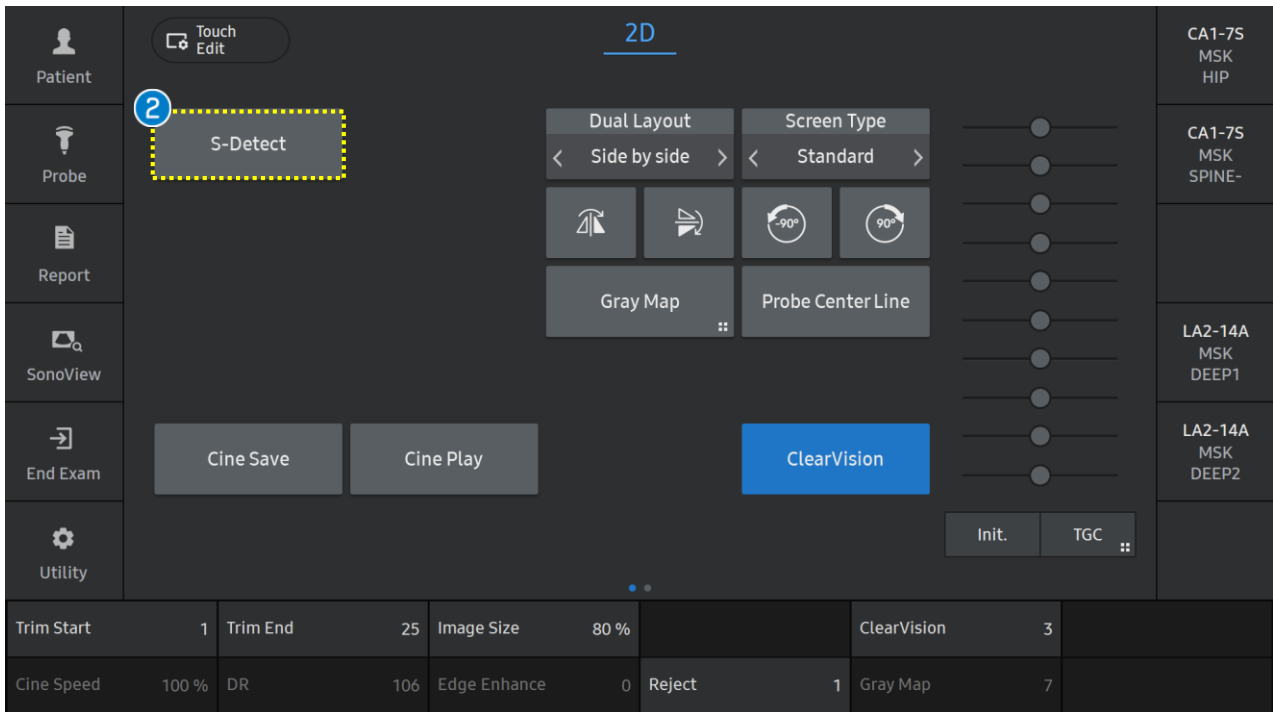
# S-Detect™ for Thyroid

## V series Quick Guide



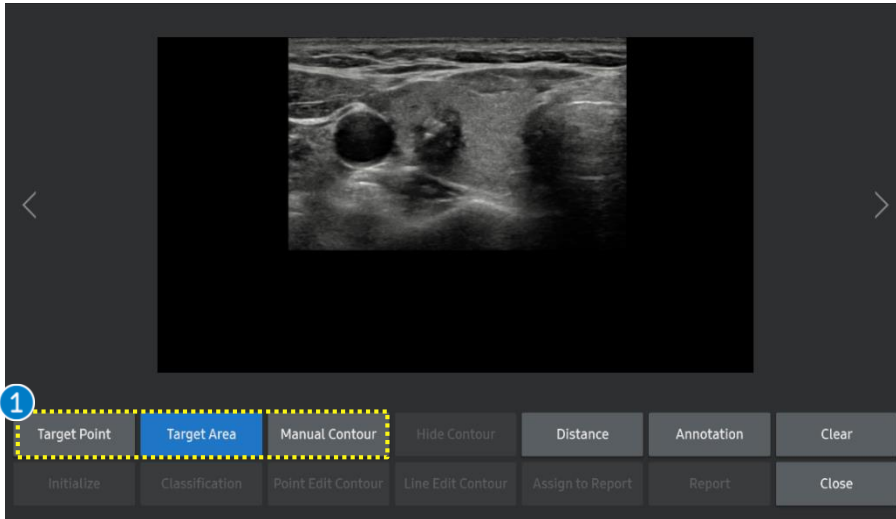
S-Detect™ for Thyroid

# 1. Start S-Detect™ for Thyroid

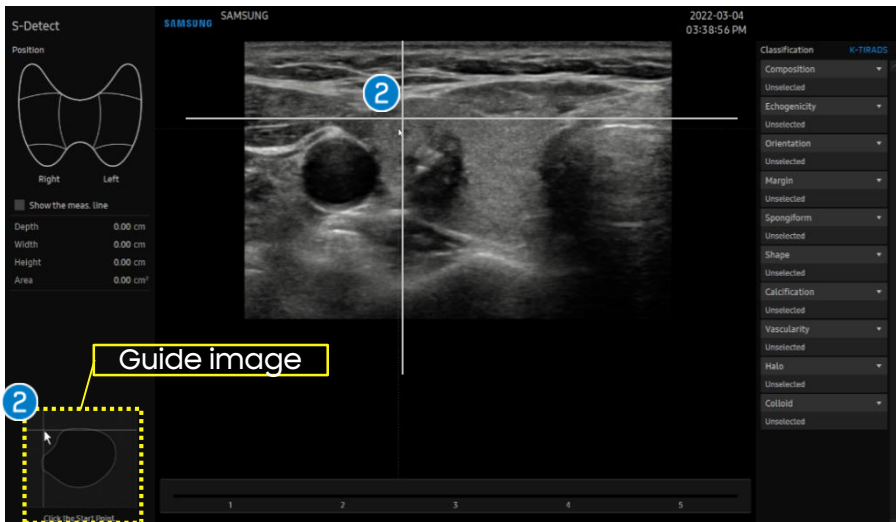


- |   |                   |  |
|---|-------------------|--|
| 1 | Image Acquisition | Acquire the image including lesion in 2D mode and press the [Freeze] button. |
| 2 | Start a S-Detect  | Tap [S-Detect] on the touch screen.  |

# 2. Designate the ROI (1)



- 1 Detection method
  - Target Point
  - Target Area (Default)
  - Manual Contour

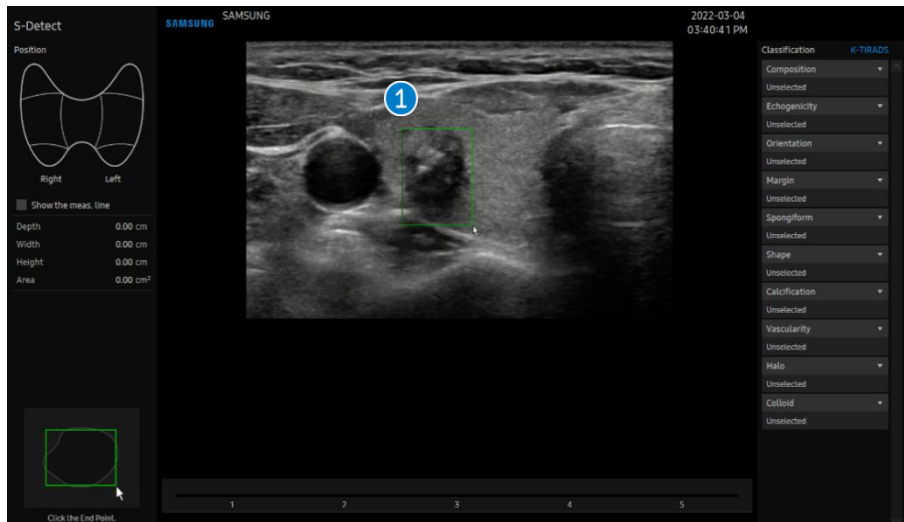


- 2 Draw the ROI
 

When the [Target Area] is selected, two guide lines will appear.

A guide image tells you how to designate the area enclosing a suspicious mass. Press the [Set] button to start drawing the ROI from the upper left side of the lesion.

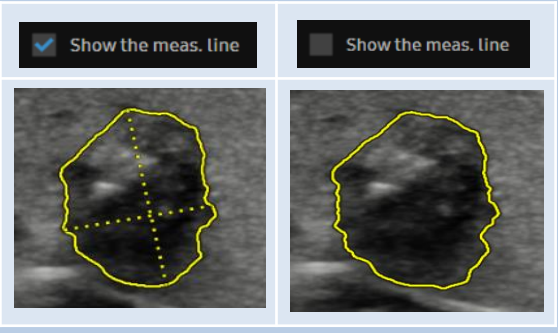
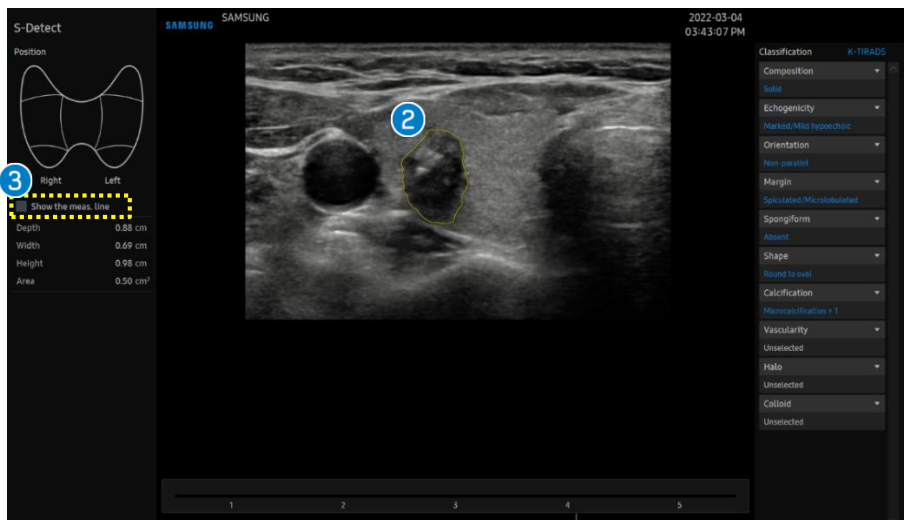
# 2. Designate the ROI (2)



1 Draw the ROI  
Adjust the guidelines to make the rectangle overlap the boundary of the suspected lesion and click the [Set] button to finish.

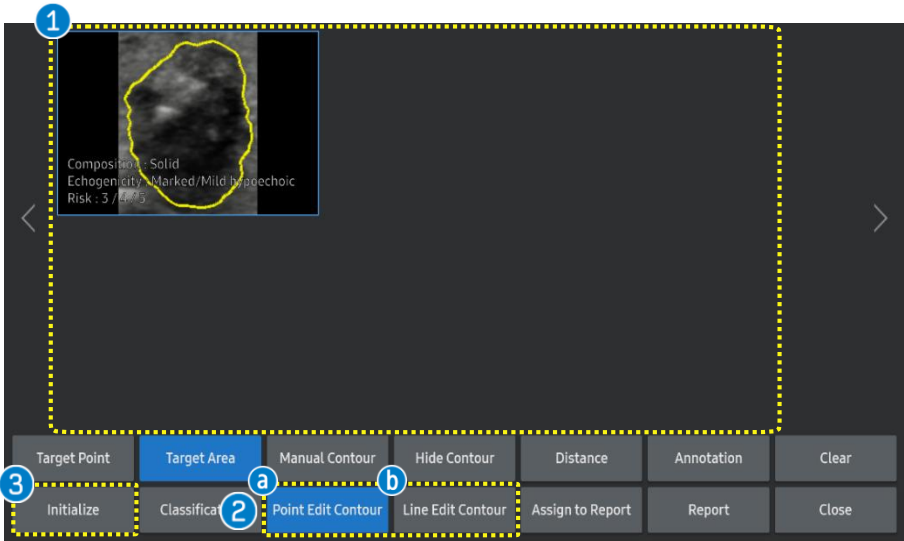
2 Detected boundary  
After drawing the ROI, lesion boundary is automatically detected and displayed in green contour.

3 Show the meas.line  
It is to display the measurement (width and height) of the lesion.



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# 3. 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.
- 2 Edit Contour  
If necessary, you can edit the contour of the selected candidate with [Point Edit Contour] or [Line Edit Contour] on the touch screen.
- 3 Initialize  
To reset all results and re-specify, 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 then press the [Set] button.

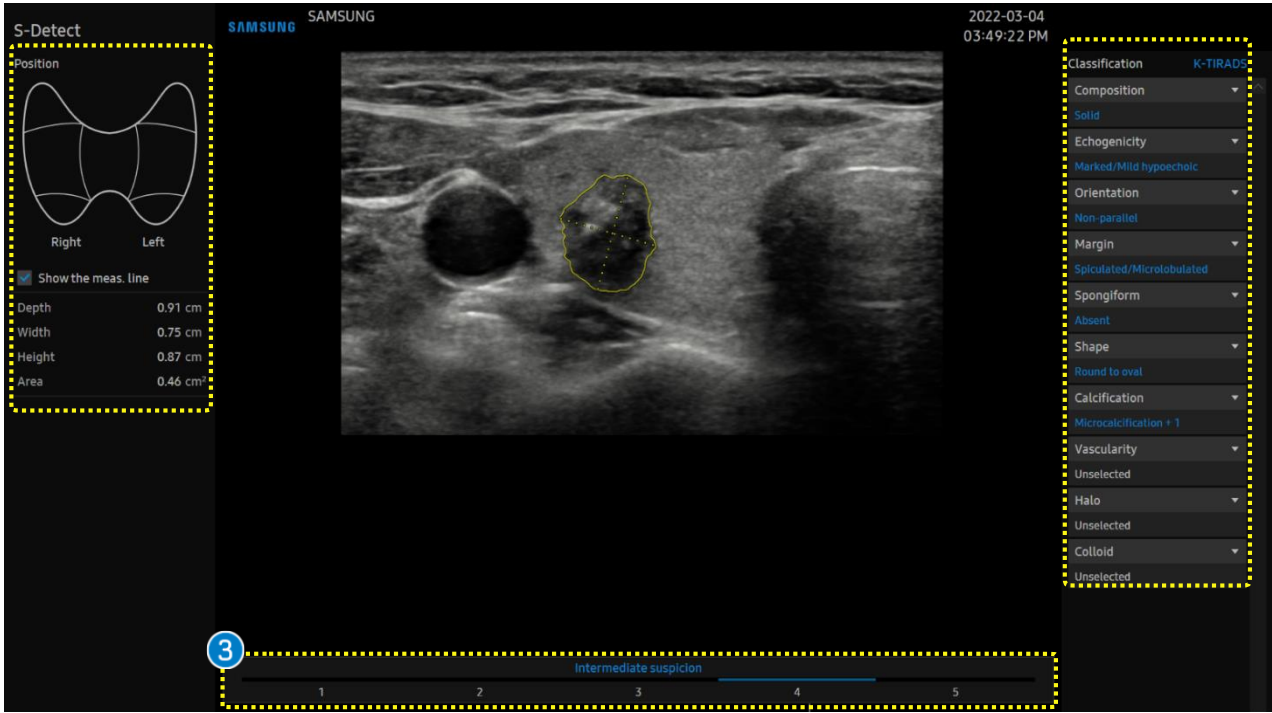
The diagram shows two stages of point editing. In the first stage, a white crosshair cursor is positioned near a yellow contour on a grayscale ultrasound image. A blue arrow points to the second stage, where the contour has been modified to better fit the shape of the target area.

### b Line Edit contour

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

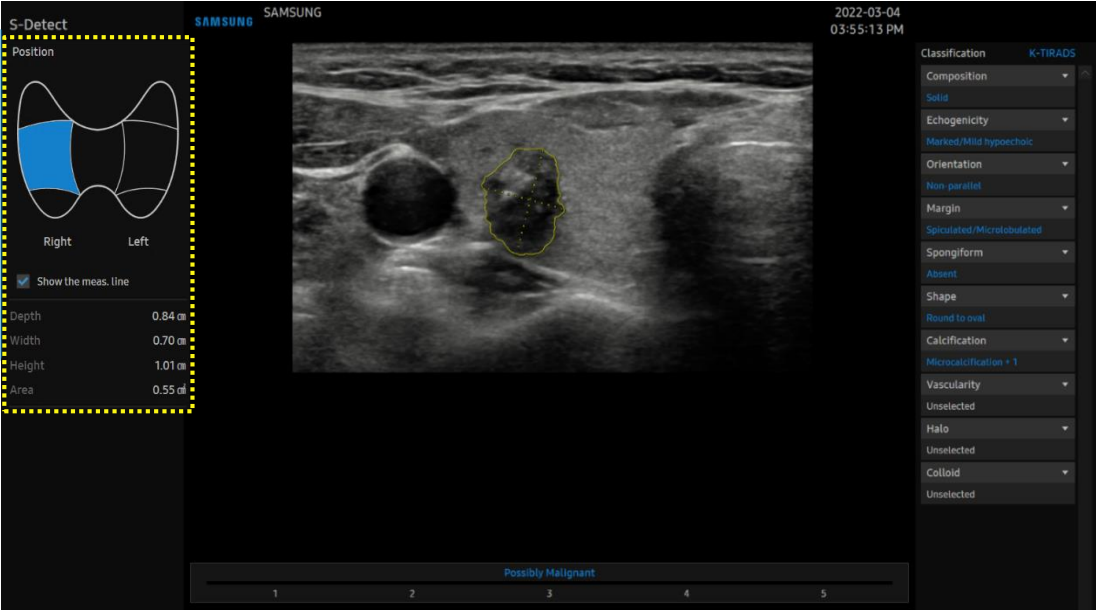
The diagram shows two stages of line editing. In the first stage, a new green boundary is drawn manually over the existing yellow contour on a grayscale ultrasound image. A blue arrow points to the second stage, where the yellow contour has been updated to match the new green boundary.

# 4. Result page



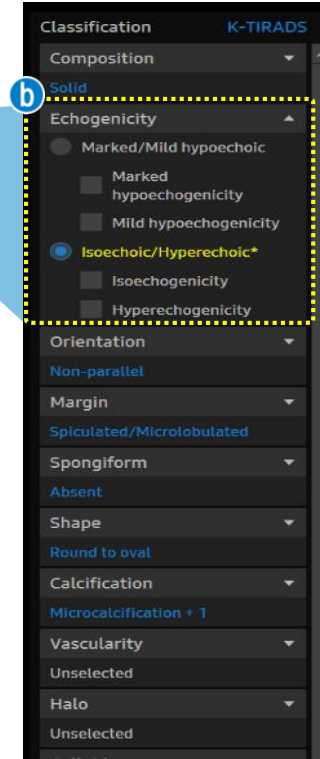
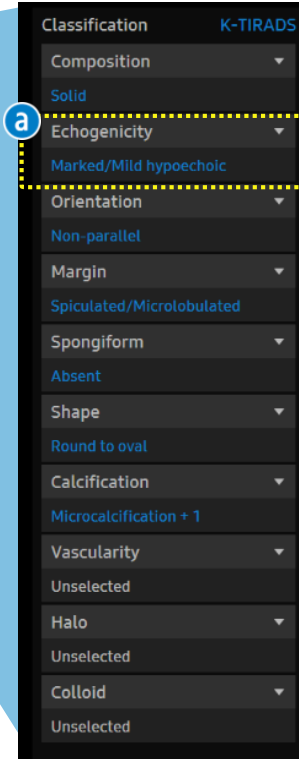
<p>1 Location Information Area</p>	<p>Provides information about the location and size of the lesion.</p>
<p>2 Classification</p>	<p>Provides the Lexicon Classification following the designated reference on Setup.                  Blue text of classifications - automatically provided.                  White text of classifications - not specified automatically, so it can be chosen 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



- |   |                |  |
|---|----------------|--|
| 1 | Position       | Select the location of the lesion on the thyroid diagram and press the [Set] button. |
| 2 | Size of lesion | Depth, Width, Height and Area are automatically displayed.                           |

## 6. Result page: Edit the classification

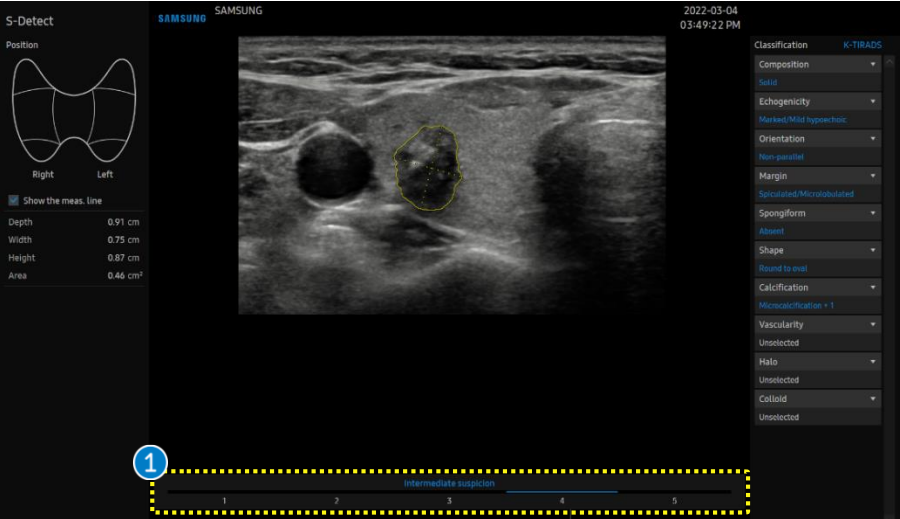


1 Classifications

a Click the lexicon that you want to modify.

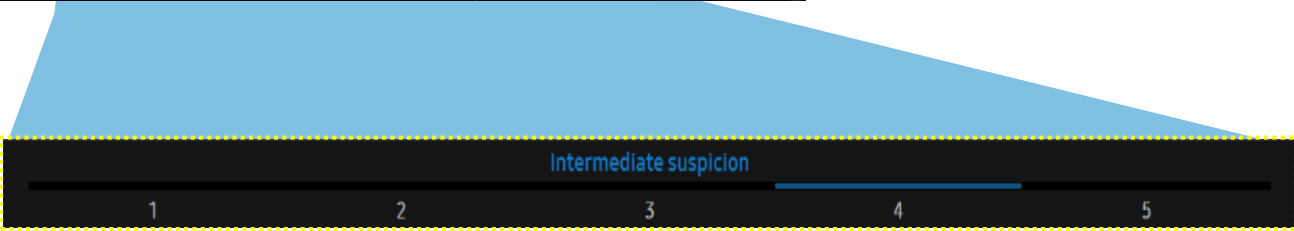
b Edit the result. Modified Classification is represented in yellow.  
Classifications can also be edited on the touch screen.

# 7. Result page: Description and Score



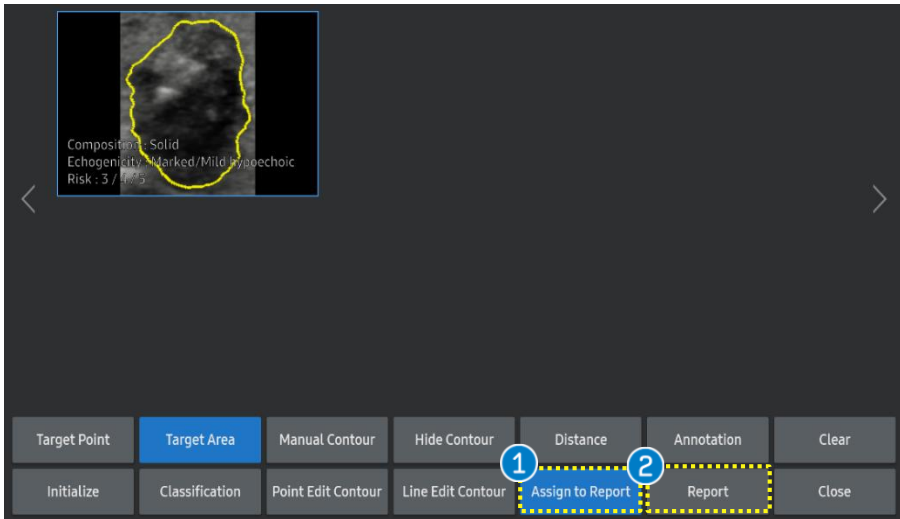
1 TI-RADS score

Designate the specific TI-RADS Assessment score (1 ~ 5) on the bottom of the screen to make the final decision.



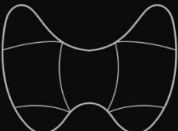
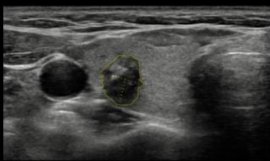
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# 8. Assign to Report



- 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
Indication			
Diag. Physician	Ref. Physician	Operator	
#1			
	Depth 0.91 cm Width 0.75 cm Height 0.93 cm Area 0.48 cm <sup>2</sup>	Possibly Malignant 3 ~ 5	
	Reference Composition Solid Echogenicity Marked/Mild hypochoic Orientation Non-parallel Margin Spiculated/Microlobulated Spongiform Absent Shape Round to oval Calcification Microcalcification Macrocalcification Unselected Vascularity Unselected Halo Unselected Colloid 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.

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