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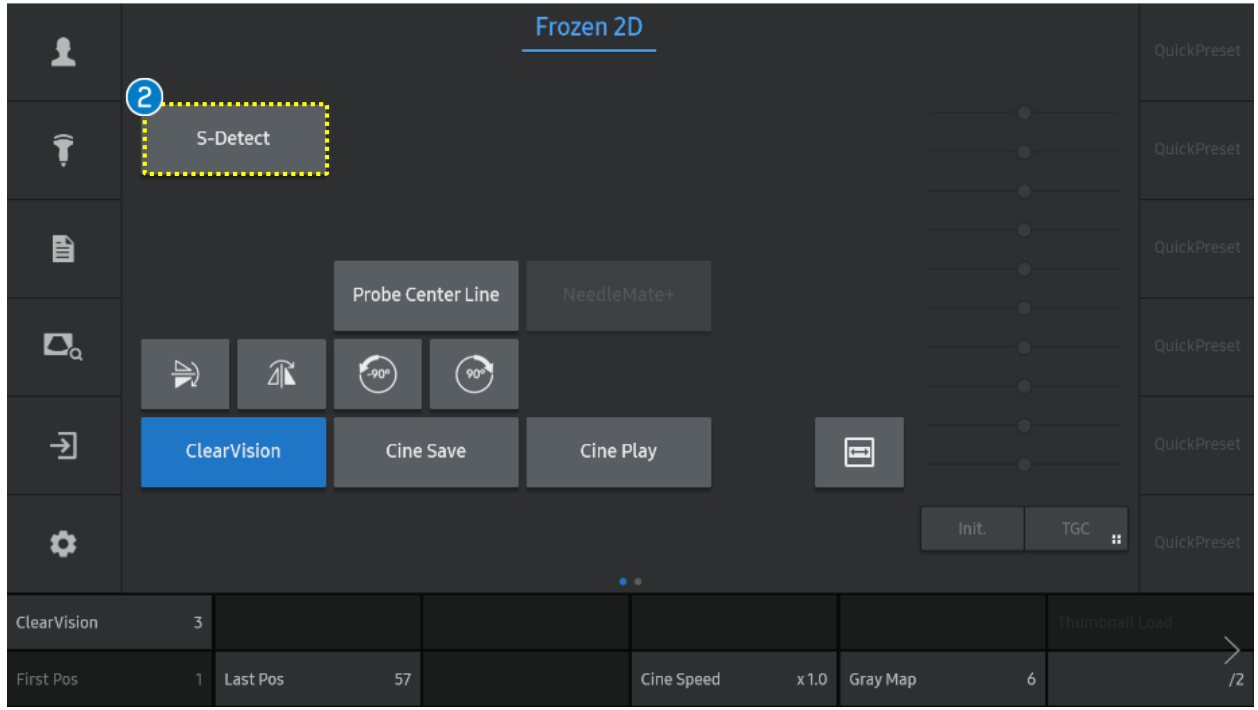
S-Detect™ *for Thyroid*

RS85 Prestige **Quick Guide**

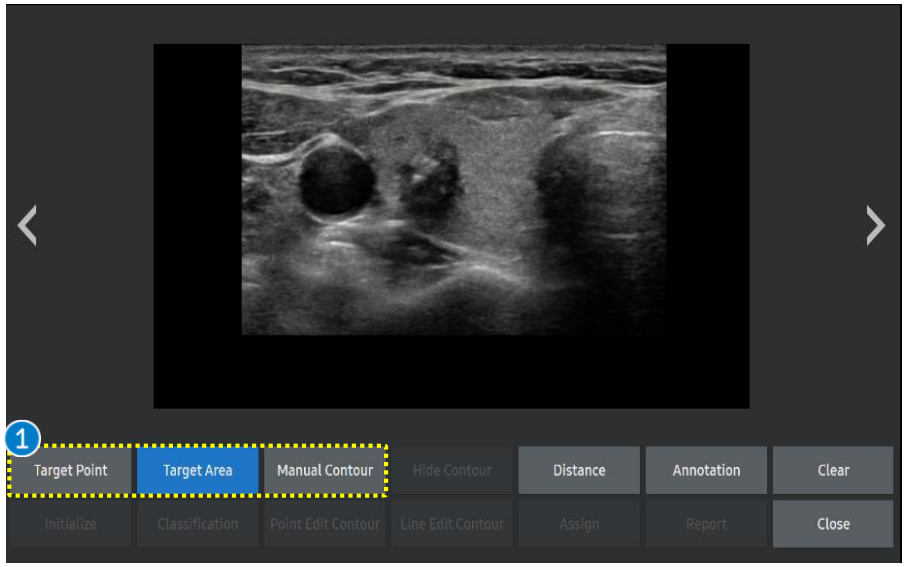
Produced by Clinical Training Center / SAMSUNG MEDISON CO.,LTD

1. Start S-Detect™ for Thyroid

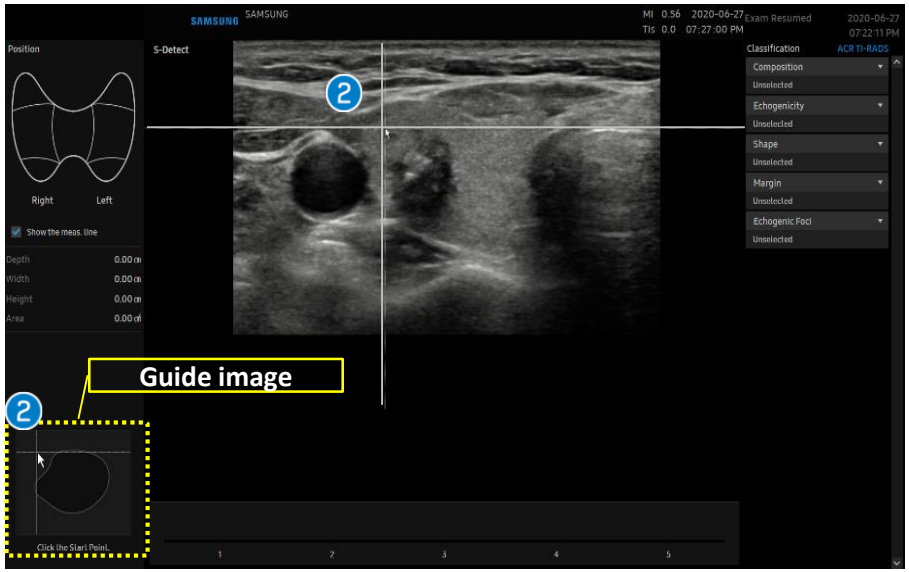


❶ Image Acquisition	Acquire the image including lesion in 2D mode and press the [Freeze] button.
❷ Start a S-Detect	Tap the [S-Detect] on the touch screen.

2. Designate the ROI (1)

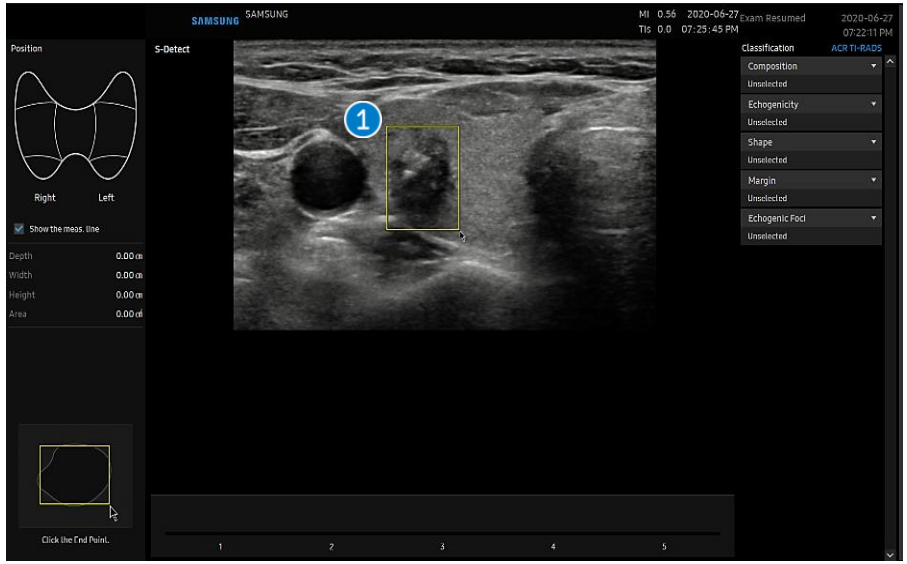


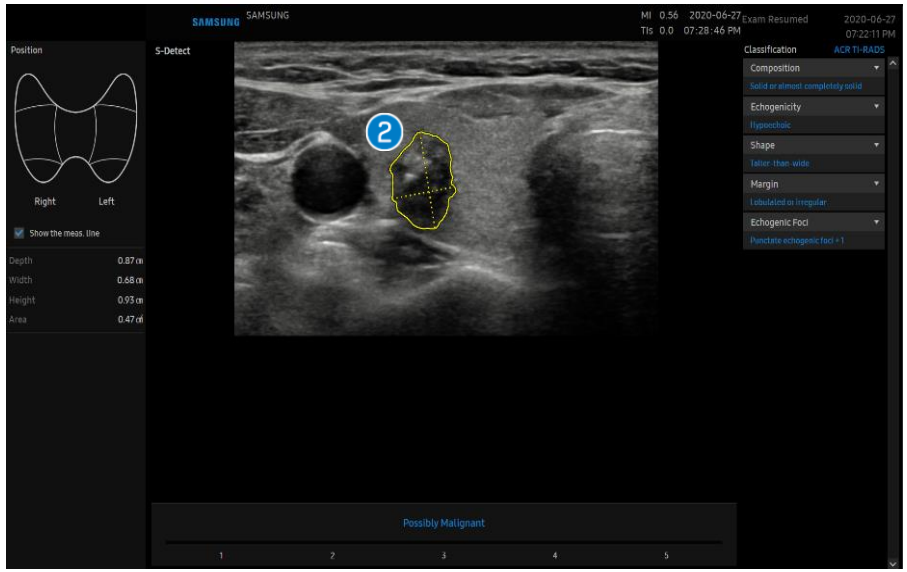
1 Detection method	▪ Target Point ▪ Target Area ▪ Manual Contour

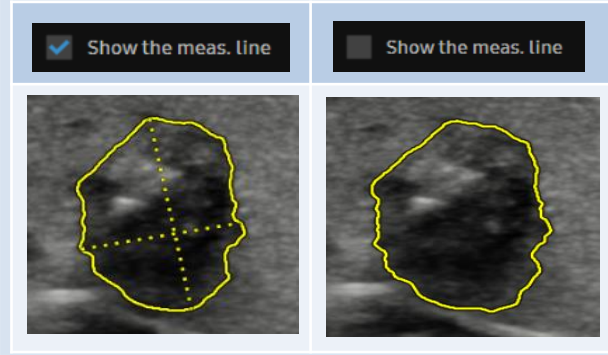


2 Draw the ROI	When the [Target Area] is selected, two guide lines will appear. A guide image tells you how to designate the area enclosing a suspicious mass. Press the [Set] button to start to draw the ROI from the left upper side of lesion.

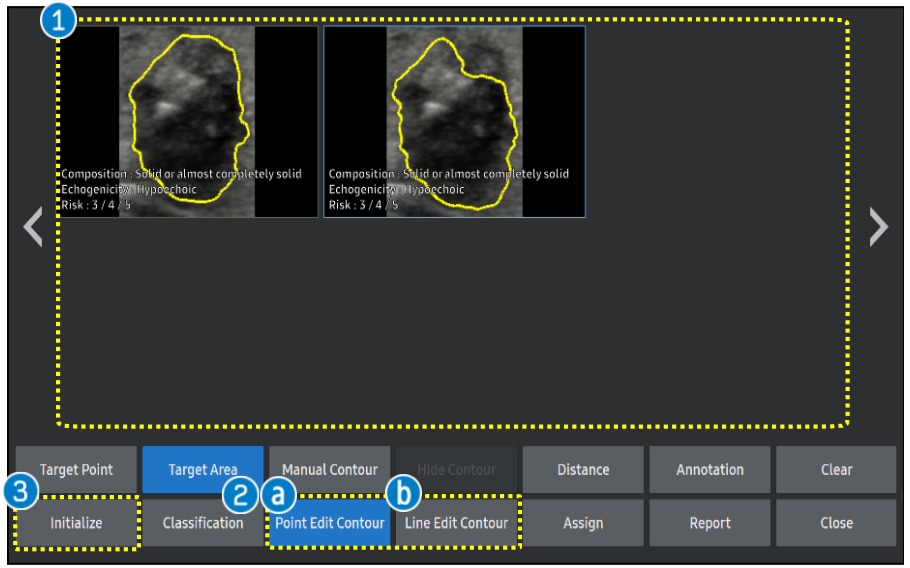
2. Designate the ROI (2)





① Draw the ROI	Adjust the guidelines to make the rectangle with overlapping the boundary of 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. 

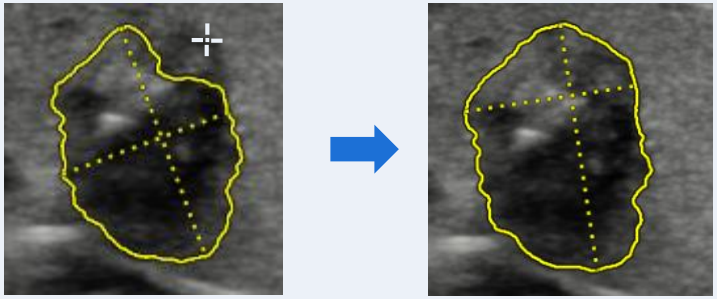
3. Select the Candidate and Edit



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 selected candidate by [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.

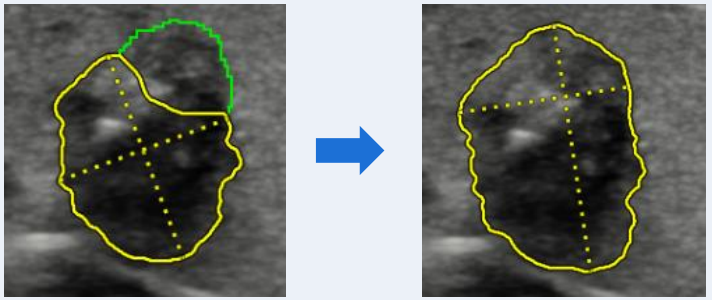
a Point Edit contour

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

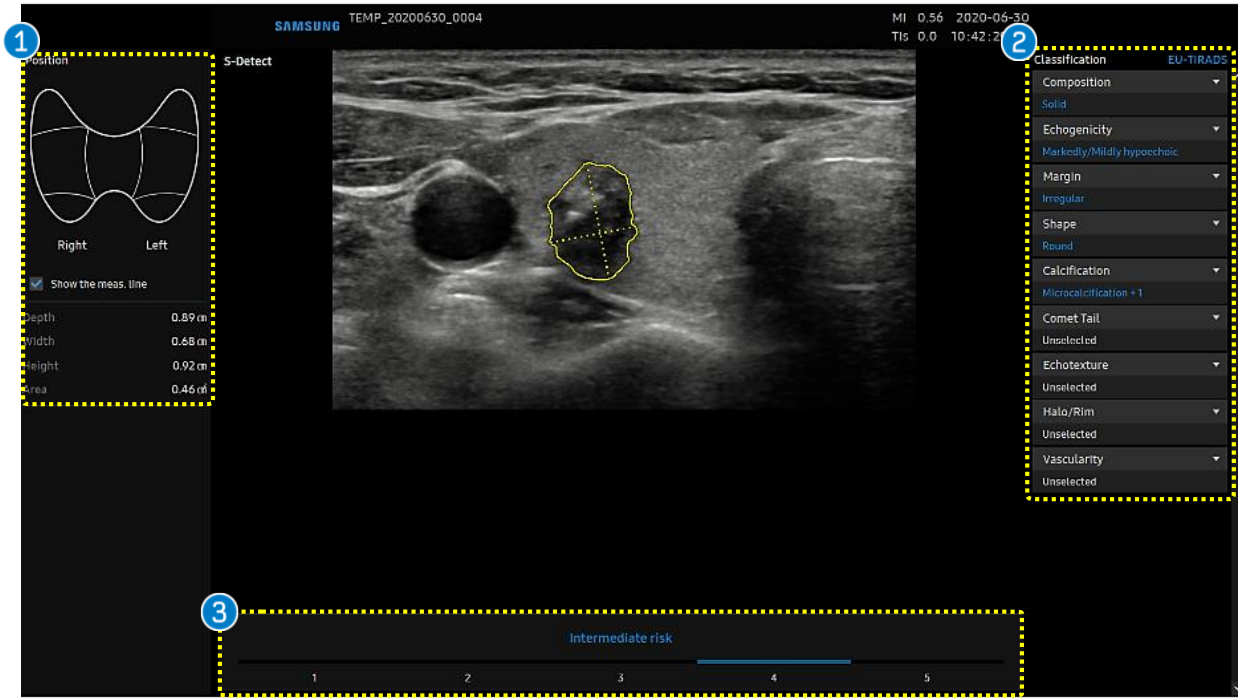


b Line Edit contour

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

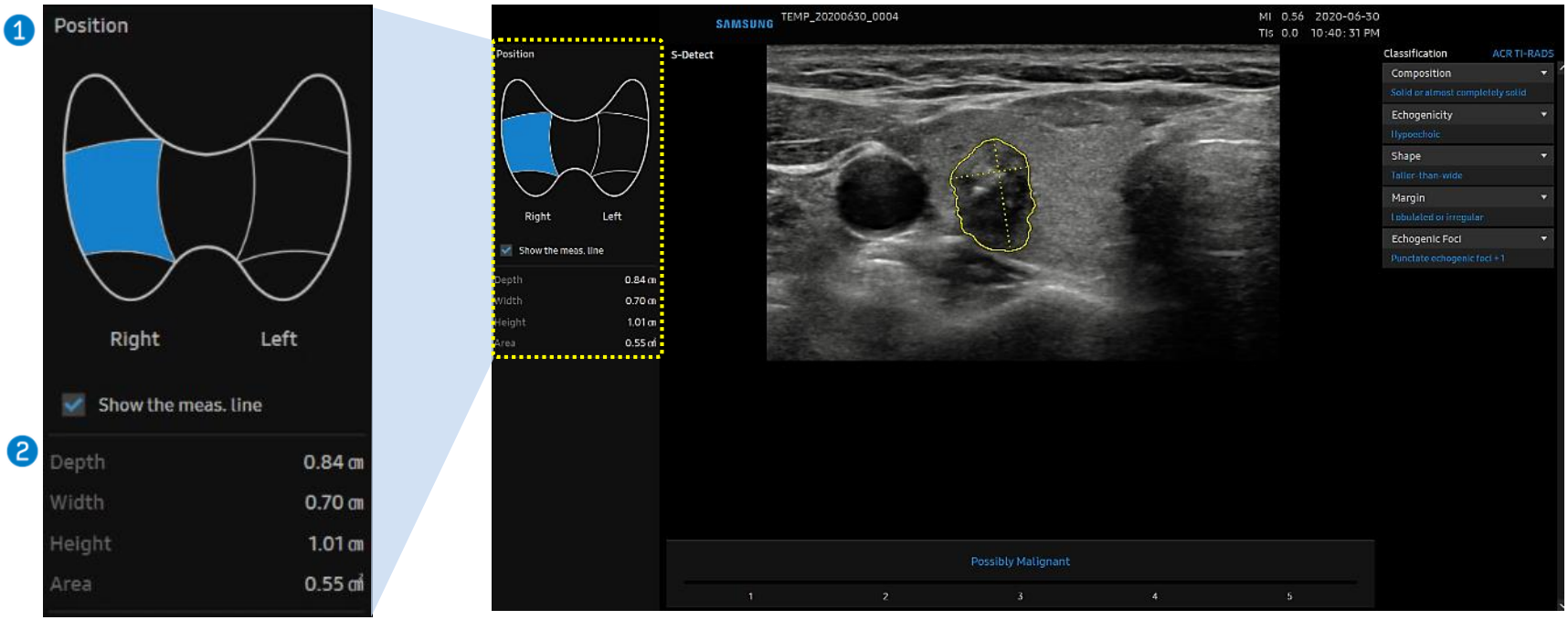


4. Result page



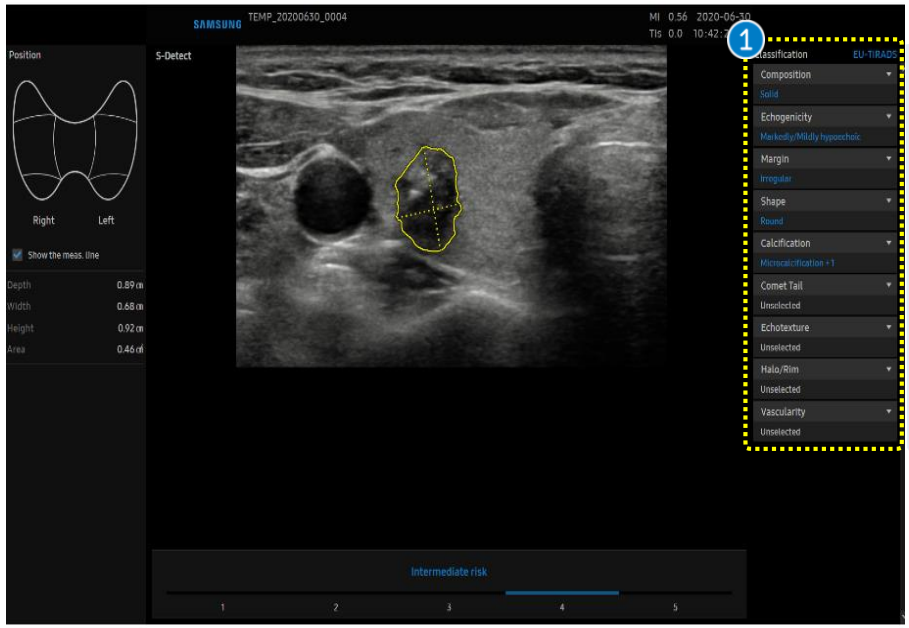
1 Location Information Area	Provides information about the location and size of the lesion.
2 Classification	Provides the Lexicon Classification following designated reference on Setup. Blue text of classifications - automatically provided. White text of classifications - not specified automatically, so it can be chosen manually by users.
3 Description	S-Detect only suggests whether the lesion tends to be malignant or benign.

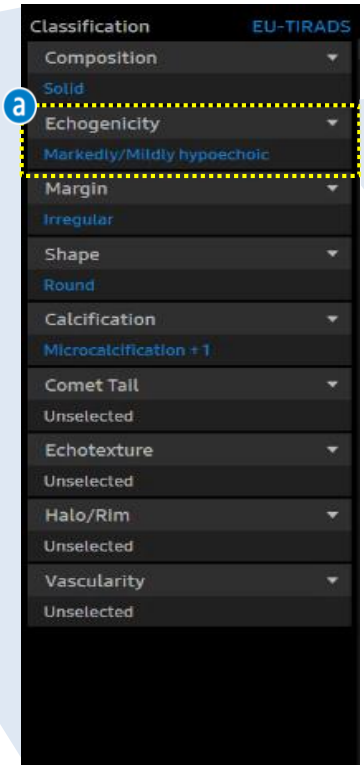
5. Result page: Mark the Position

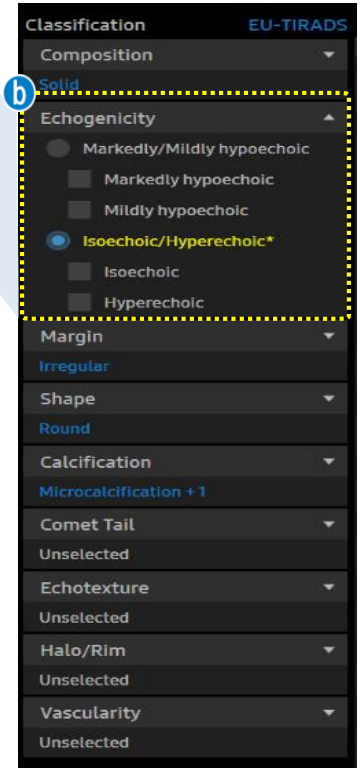


1 Body marker of position	Select the location of the lesion on the thyroid diagram and press the [Set] button.
2 Information of lesion	Depth, Width, Height and Area are automatically displayed.

6. Result page: Edit the classification

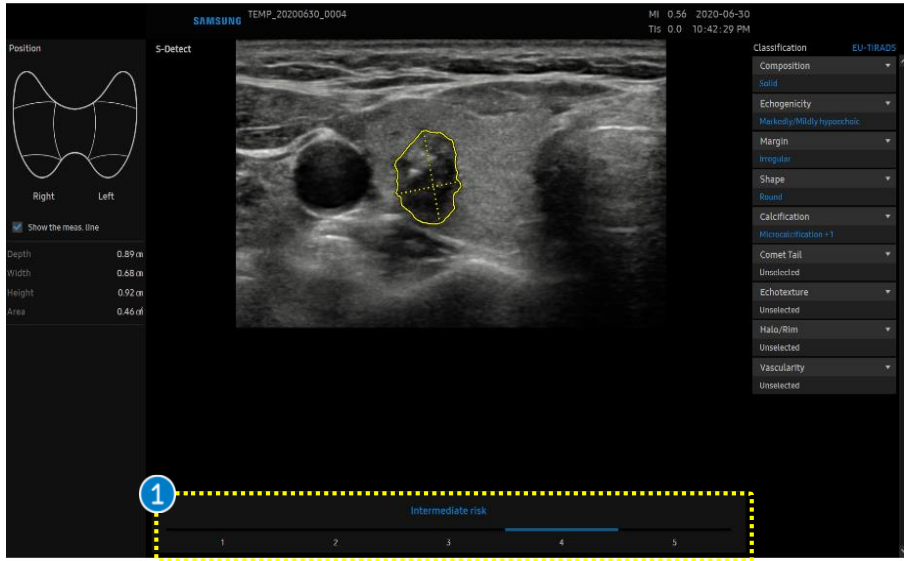


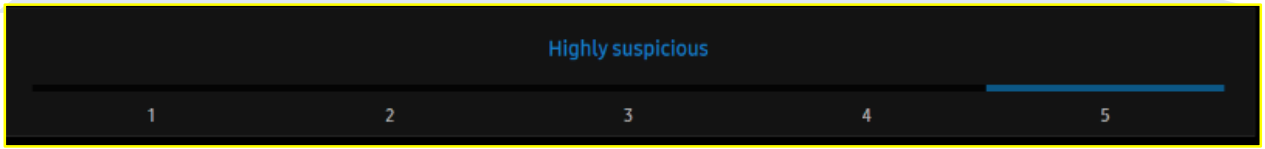




① Classifications	ⓐ Click the lexicon that you want to modify. ⓑ Edit the result. Modified Classification is represented with yellow color. It can be edit classifications on the touch screen.

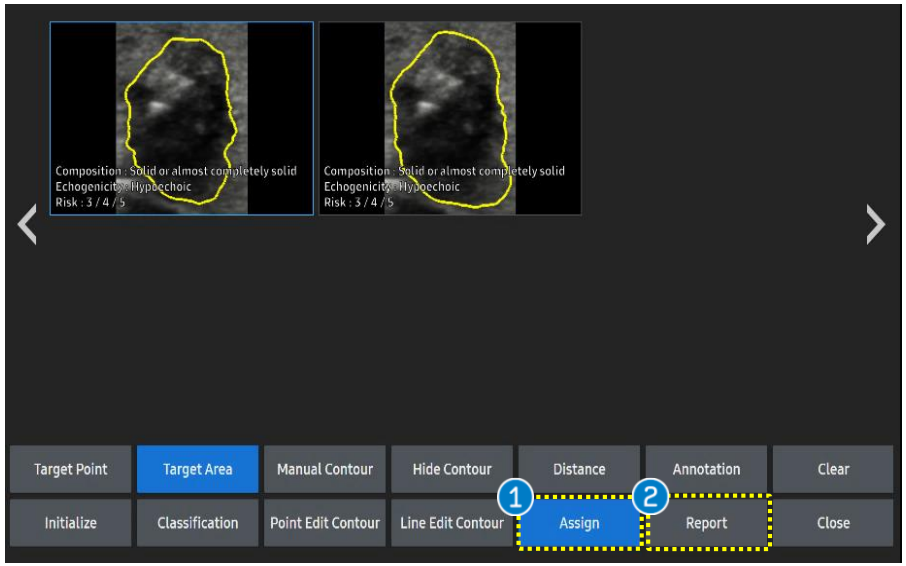
7. Result page: Description and Score

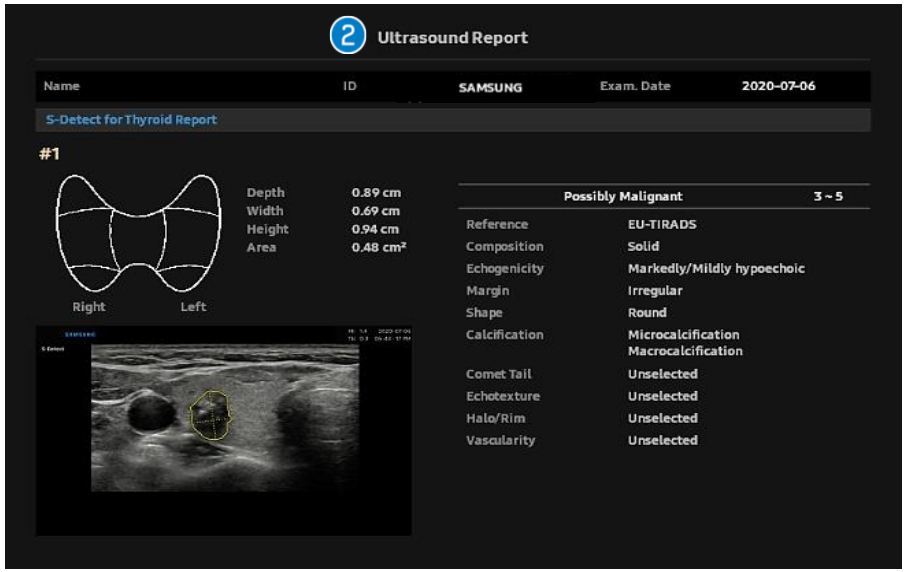




① TI-RADS score	Designate the specific TI-RADS Assessment score (1 ~ 5) on the bottom of the screen to make final decision.

8. Assign to Report





1 Assign	If you want to add S-Detect results to the report, tap the [Assign] button on the touch screen.
2 Report	Tap the [Report] button on the touch screen to confirm the result of S-Detect.

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- 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, fore more detail, please refer to RS85 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 RS85 V2.08.
- Disclaimer: Some Images in this content were obtained from other system.

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