SAMSUNG





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

S-DetectTM for Thyroid

HERA W10 Quick Guide

S-Detect™ for Thyroid 1. Probe and Preset



* S-Detect for Thyroid™ can be operated under the following conditions :

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

S-Detect[™] for Thyroid 2. Start S-Detect[™] for Thyroid

£		-	Frozen 2	D				CV1-8A OB 1st FetalHeart
Ţ		G	S-Det	tect				CV1-8A Abdomen OB
Đ								
۵		2D Image Panning	A R	ÂĽ		\odot		
÷	Cine Save	Cine Play			WideScre	en		CV1-8A Abdomen OB
۵								ECV1-8A OB GYN2
Gray Map	7 Cine Speed	x 1.0 Chroma Map) On	ClearVision	On			
Trim First	1 Trim Last	32	Type 1		3	Image Size	80	

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.

S-Detect™ for Thyroid 3. Designate the ROI (1)

<						>
Target Point	Target Area	Manual Contour		Distance	Annotation	Clear
Initialize						Close
		[Tou	ich Scree	en]		



1 Detection method

Draw the

ROI

2

- Target Point
- Target Area (Default mode)
- Manual Contour

When [Target Area] is selected, two guide
lines will appear.
The 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 corner of lesion.

S-Detect™ for Thyroid 3. Designate the ROI (2)



		Adjust the guidelines to make the
1	Draw the	rectangle overlap the boundaries of
	ROI	suspected lesion and click [Set]
		button to finish.
2	Detected boundary	After drawing the ROI, lesion boundary is automatically detected and is displayed in yellow contour.



S-Detect™ for Thyroid

4. Select the Candidates and Edit



1	Candidates	Available candidate images are provided (up to 6) on the touch screen so that you can choose 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 [Initialize] button on the touch screen.

Point Edit contour

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





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

b Line Edit contour



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

S-Detect™ for Thyroid 5. Result Page



1	Location Information Area	Provides information about the location and size of the lesion.
2	Classification	Provides the TIRADS Lexicon Classification of the lesion.
3	Description	S-Detect only suggests whether the lesion tends to be malignant or benign.

S-Detect™ for Thyroid 6. Result Page: Mark the Position



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

S-Detect[™] for Thyroid

7. Result Page: Edit the Classification (1)







*Tips 7 Classifications (blue color) are automatically provided. 3 Classifications (white color) are 'Unselected', so it can be selected manually by users.



S-Detect™ for Thyroid 7. Result Page: Edit the Classification (2)







S-Detect™ for Thyroid 8. Result Page: Description and Score



S-Detect™ for Thyroid 9. Assign to Report

Target Point Target Area Manual Contour Hide Contour Distance Annotation Clear Initialize Classification Point Edit Contour Line Edit Contour Assign Report Close	Composition : Echogenicity : Risk : 3 / 4 / 5	soliti Marked Mild Arguerchoid	Composition Echogenicit Risk : 3 / 4 /	: S S	Dic		>
Initialize Classification Point Edit Contour Line Edit Contour Assign Report Close	Target Point	Target Area	Manual Contour	Hide Contour	Distance	Annotation	Clear
	Initialize	Classification	Point Edit Contour	Line Edit Contour	Assign	Report	Close

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

[Touch Screen]



S-Detect™ for Thyroid

* Appendix – Setup

S-Detect for Thyro	d	
Description	on Off	
Sensitivity Setting	High Sensitivity	
	High Accuracy	
	High Specificity	
Reference	K-TIPADS	
	Recalculation On Assessment Score	
	Possibly B/M	
	Off	
- ★ Tips _		
You cap ad	t the settings for S detect in the Set	
rou can ea	i the settings for s-detect in the set	up page.
Utility → Set	Jp → Imaging → S-Detect → S-detec	t for

1	Description	Turn on or off the description on the result page.
2	Sensitivity Setting	Select the sensitivity of S-detect.
3	Reference	Select the reference system, among 'K-TIRADS', 'EU-TIRADS', 'ATA', 'BTA' or 'ACR TI-RADS.'
4	Recalculation	 Select whether you want recalculation when there is an edit in the classification. When recalculation is on, you can select to calculate the assessment score or just show whether its possibly benign/malignant. a Assessment Score - Classifies the lesion with assessment score Possibly B/M - Indicates whether the lesion is possibly benign or malignant

- 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.

SAMSUNG MEDISON CO., LTD.

© 2024 Samsung Medison All Rights Reserved. Samsung Medison reserves the right to modify the design, packaging, specifications, and features shown herein, without prior notice or obligation.