SAMSUNG

AutoIMT+

V series Quick Guide

AutoIMT+
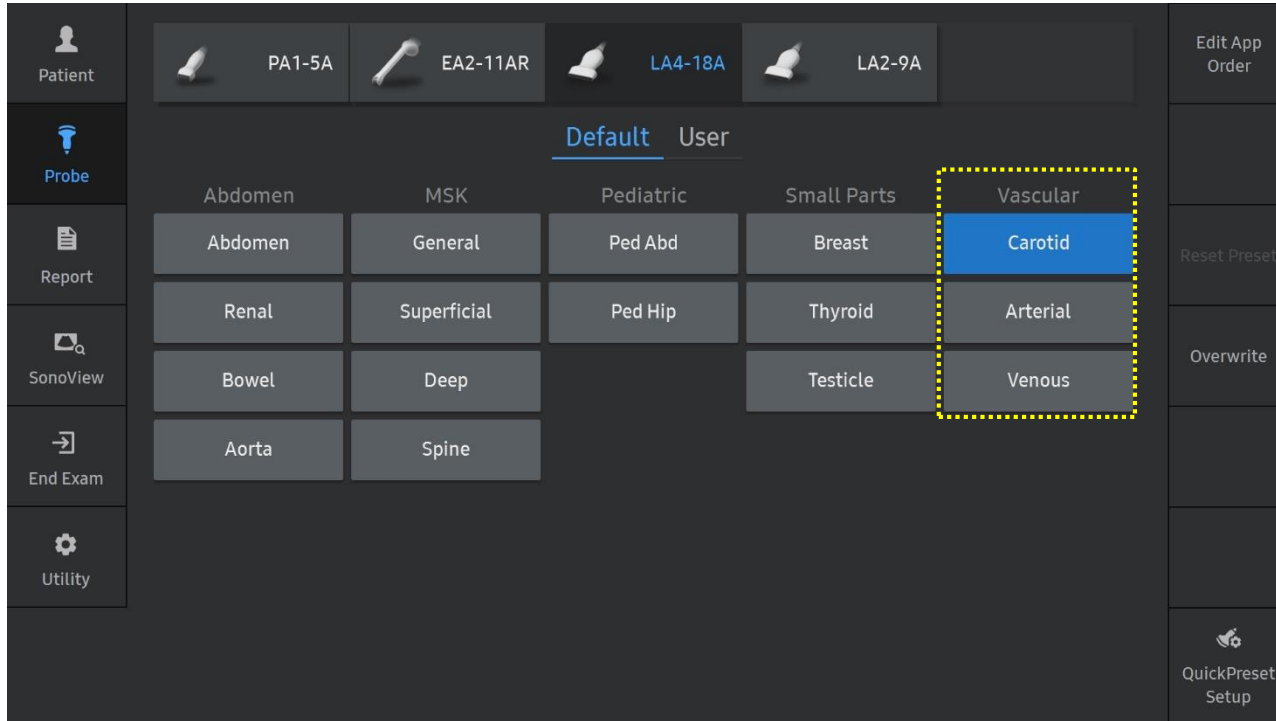
1. Probe and Preset

※ Available application and preset

Probe	All Linear Probe
Application	Vascular
Preset	Carotid, Arterial, Venous

AutoIMT+

2. Start Auto IMT+

| ① | Auto IMT+ | Obtain a longitudinal view of the carotid artery and then select [Auto IMT+]. |

3. Select Display Type (1)
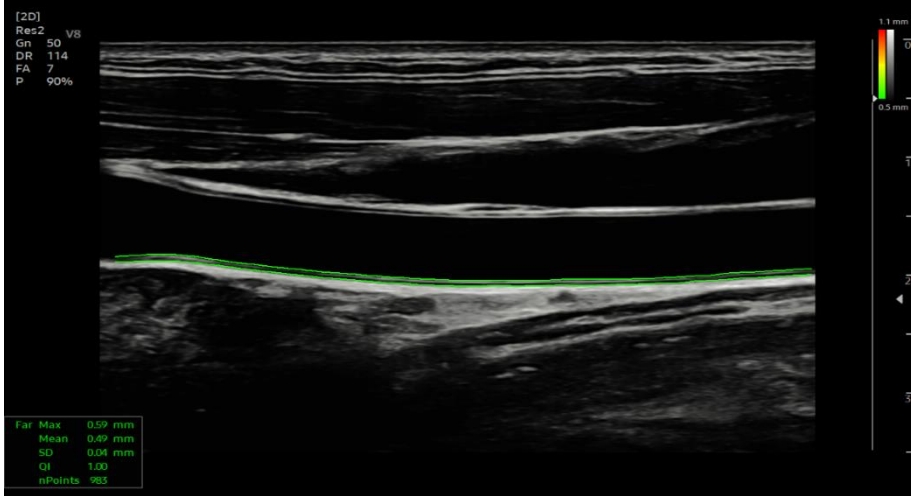
❶ Display Type

After pressing Auto IMT+, the system will automatically detect IMT.

Select display type, either [Far] or [Near + Far] on the touchscreen. (Far is default)

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3. Select Display Type (2)

❶	Display Type	If [Near + Far] type is selected, both near zone and far zone of IMT are displayed.
❷	Activate	Choose Activate type, either [Near] or [Far].

[Near]

[Far]

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4. Parameters

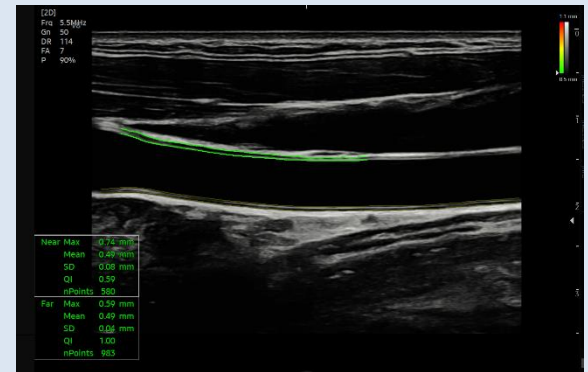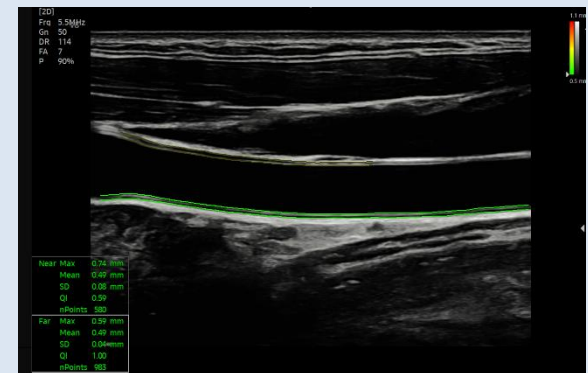|		
❶	Laterality	Select the direction of the blood flow, either Lt or Rt.
❷	Location	Select the measurement position of the vessel among Prox, Mid, Dist, and N/A.
❸	Zoom Position	If you rotate the Knob, you can adjust the position of the zoom window. (*Zoom window: It displays an image by enlarging the area surrounding the marker)
❹	Edit	You can edit IMT line.
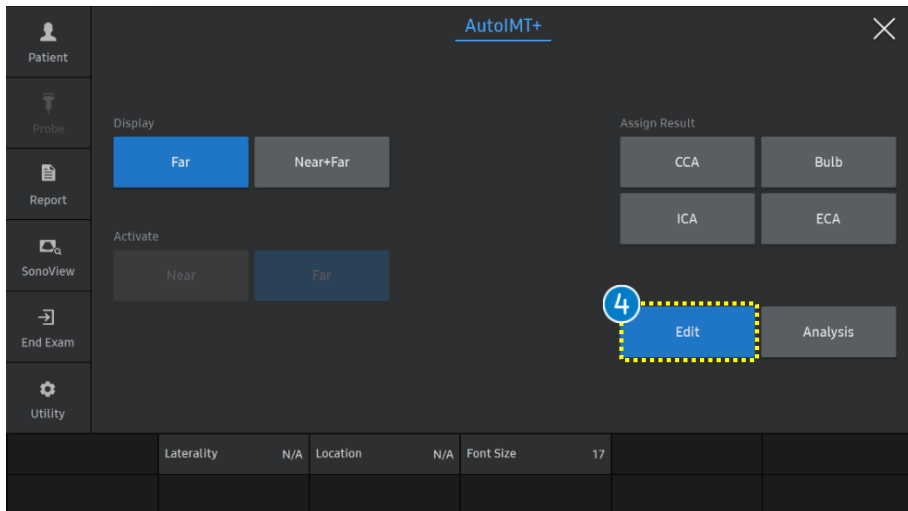
AutoIMT+ | # 5. Edit
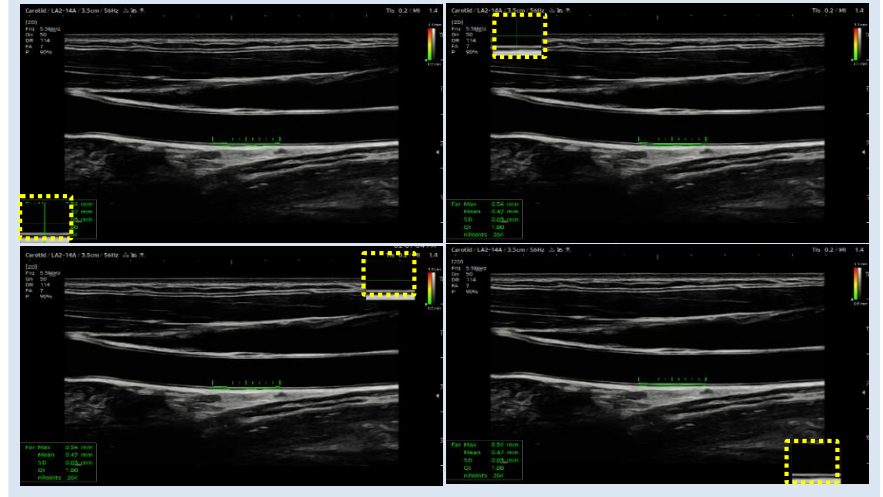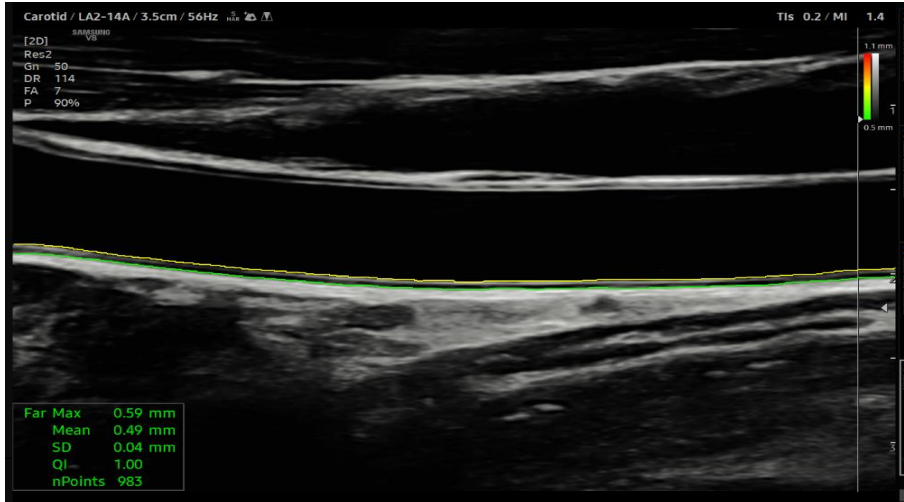
❶	Edit	Select [Intima] or [Media] to edit. For example, if you select [Intima], the line will be changed from green to yellow and the line can be edited manually with set button and trackball.
❷	Define	If you select Define, the IMT line automatically detected by the system will be deleted and the IMT line can be drawn manually.
❸	Confirm	If you press [Confirm], the line that you modified will be assigned.

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6. Assign to Report

Carotid / LA2-14A / 3.5cm / 56Hz   Tis 0.2 / MI 1.4

[2D]
Res2
Gn 50
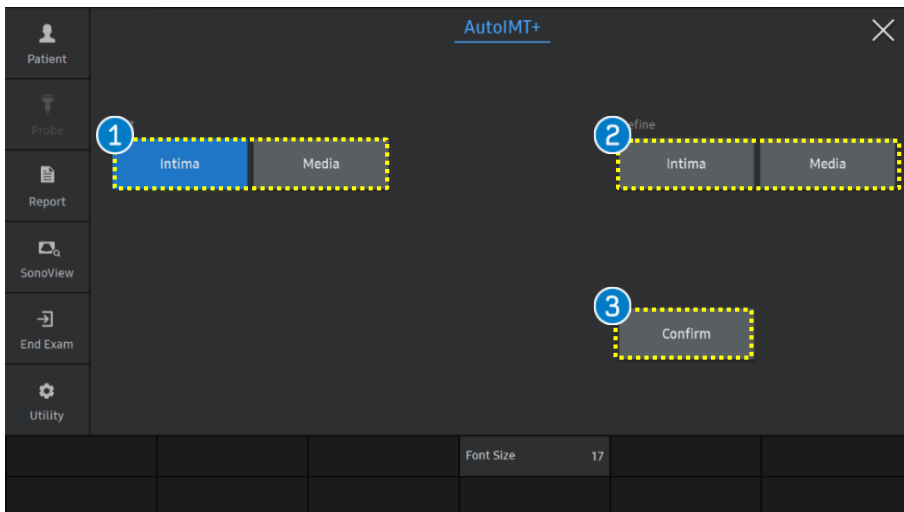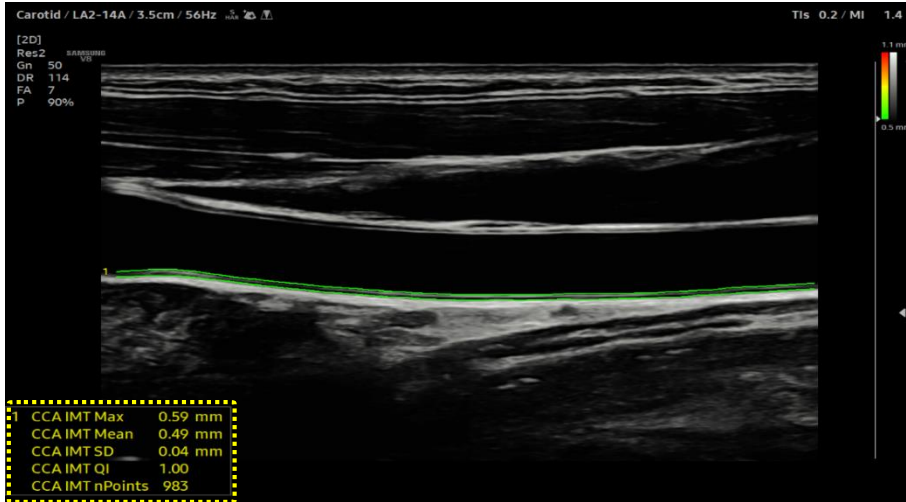DR 114
FA 7
P 90%

1 CCA IMT Max   0.59 mm
CCA IMT Mean   0.49 mm
CCA IMT SD   0.04 mm
CCA IMT QI   1.00
CCA IMT nPoints 983

❶ Assign Result	Select measurement items in [Assign Result], the measurement item will be assigned to report.

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Patient
Probe
Report
SonoView
End Exam
Utility

Display
Far   Near+Far

Activate
Near   Far

❶ Assign Result
CCA   Bulb
ICA   ECA

Edit   Analysis

Laterality   Lt   Location   Prox   Font Size   16

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7. Analysis (1)
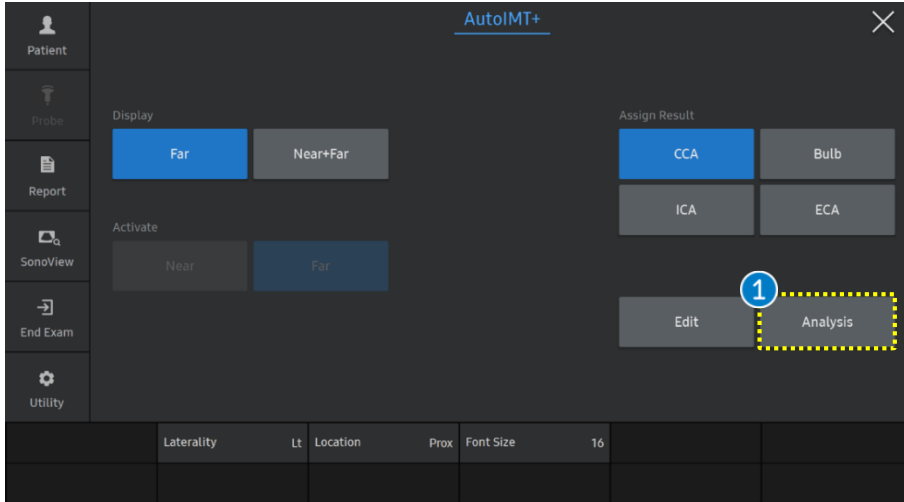
❶ Analysis	Click the [Analysis] button on the touch screen. There are four supported options in analysis. - Framingham/CHD - Risk factor - Normal IMT - User Graph
❷ Framingham/CHD	You can see the correlation between the Framingham Risk Score and Intima Media Thickness. • Check the measure bar on the graph, that shows the patient's location. • If the measure result is lower or bigger than the Framingham graph, It may not be displayed.
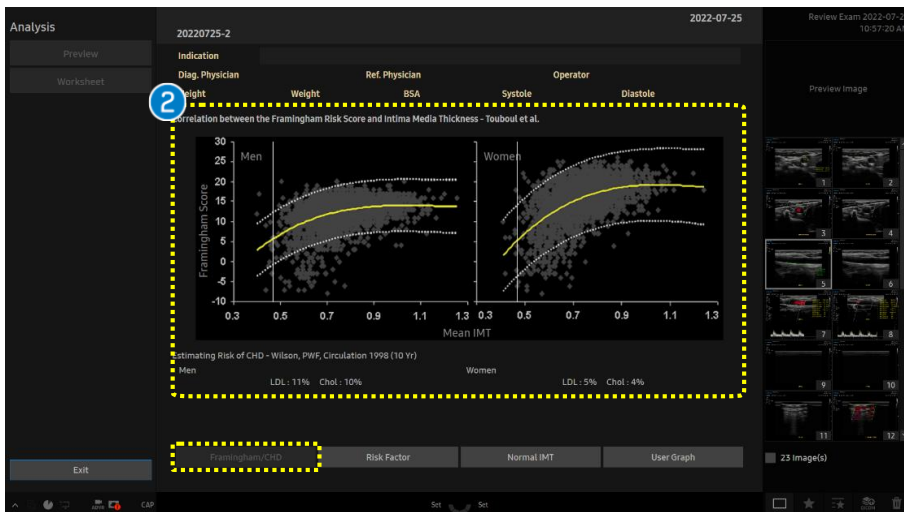
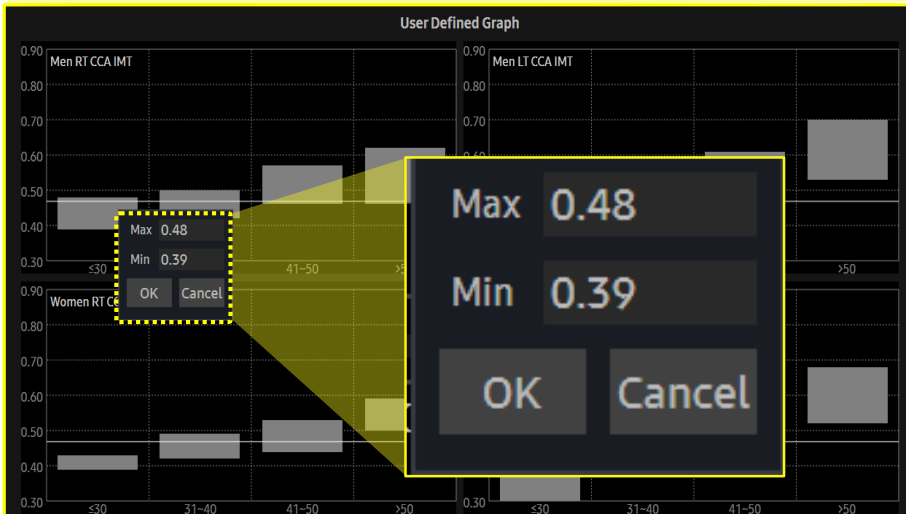# 7. Analysis (2)

③	Risk Factor	It's the reference graph based on Mannheim Carotid Intima-Media Thickness Consensus. (2004 - 2006)
④	Normal IMT	This is a new tool for diagnosis and treatment of cardiovascular risk.

7. Analysis (3)

⑤ **User Graph**   You can analyze measurement results by adjusting this 'user graph' to suit your preference.

- 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 HERA W10 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.