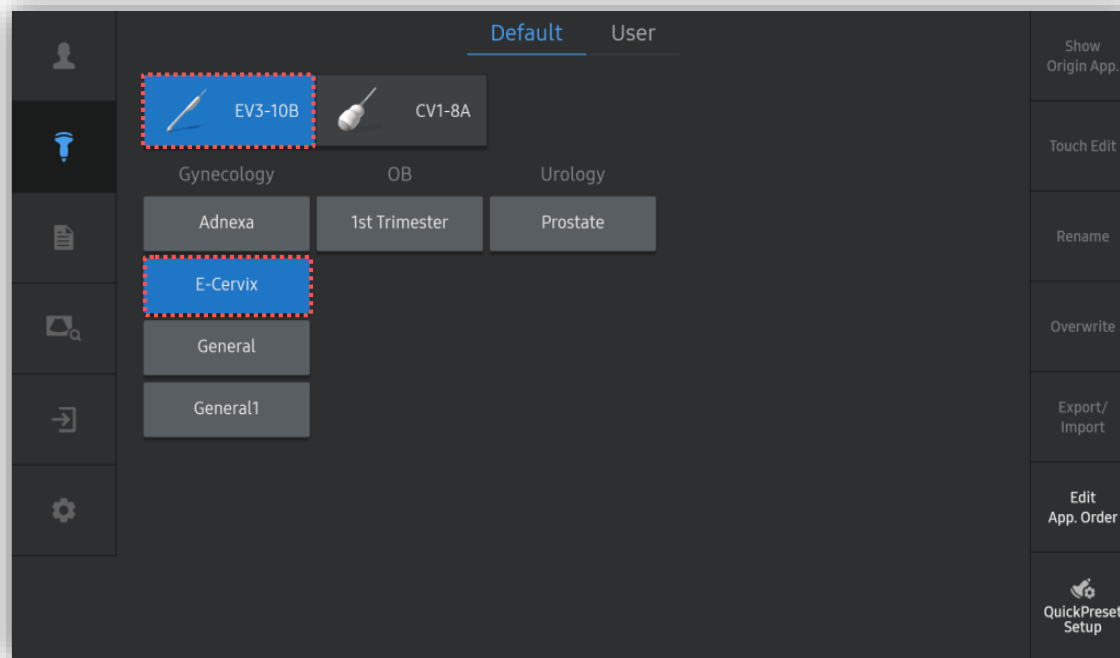


E-Cervix™

HERA W10 Quick Guide



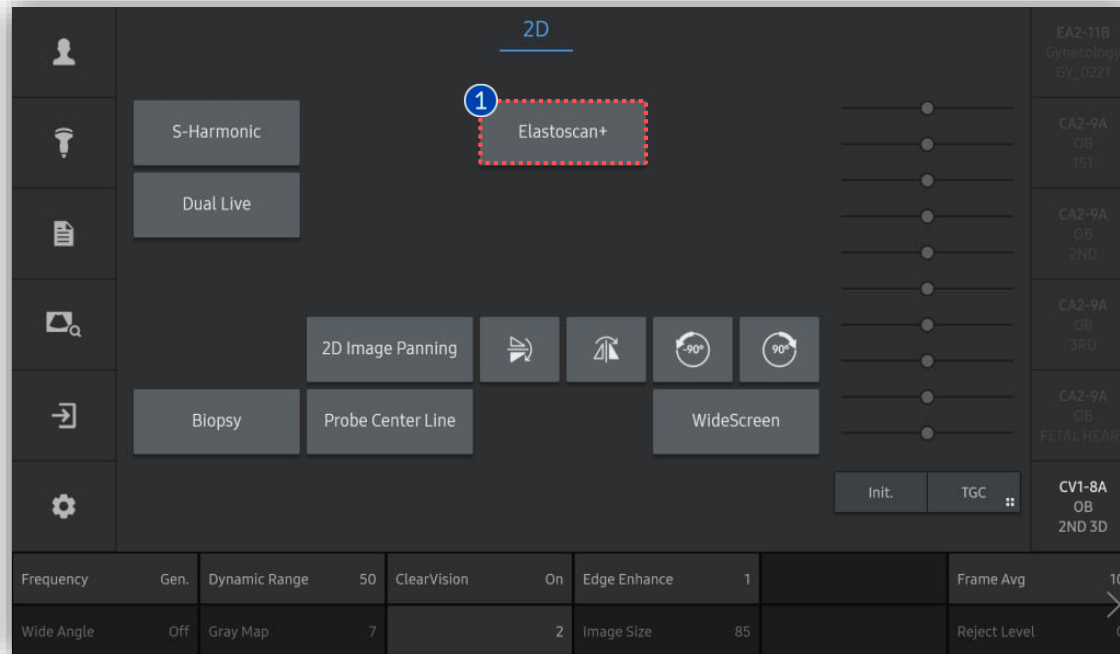
1. Probe and Preset



※ E-Cervix™ can be operated under the following conditions :

Probe	Application
EV3-10B EA2-11B, VR5-9	Gynecology(E-Cervix)

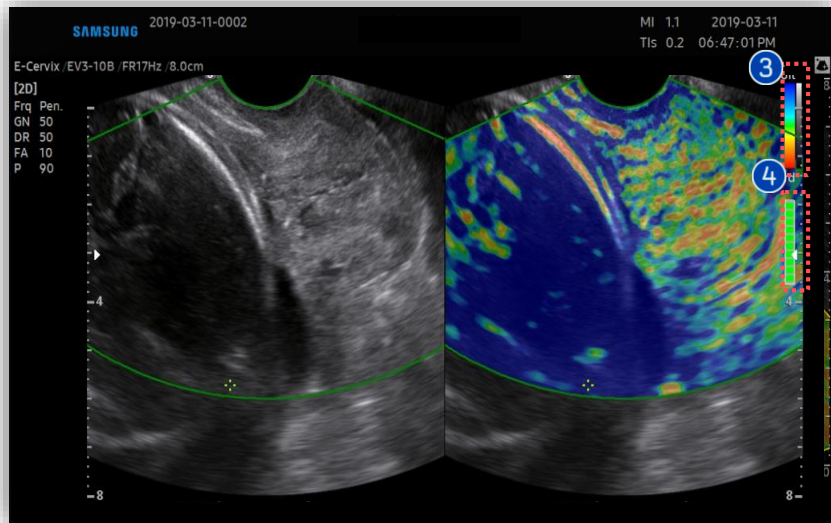
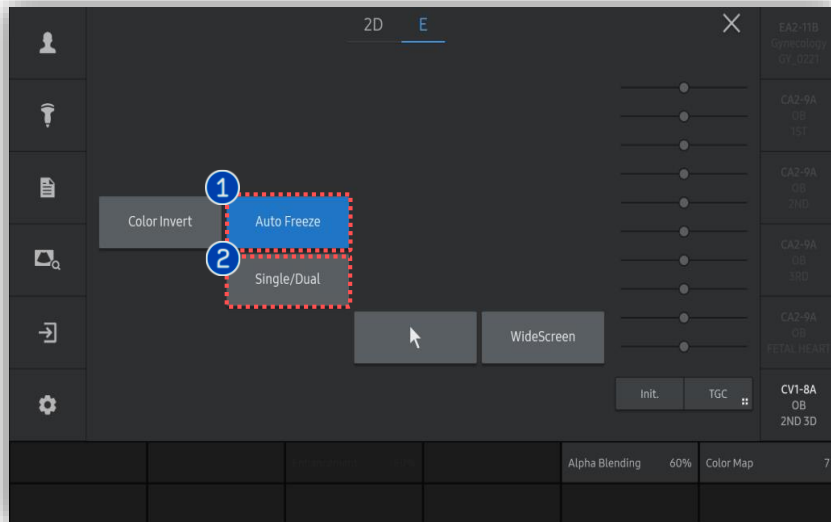
2. Start Elastoscans+



1 Elastoscans+

Obtain a longitudinal midline section of the cervix and then select the Elastoscans+.

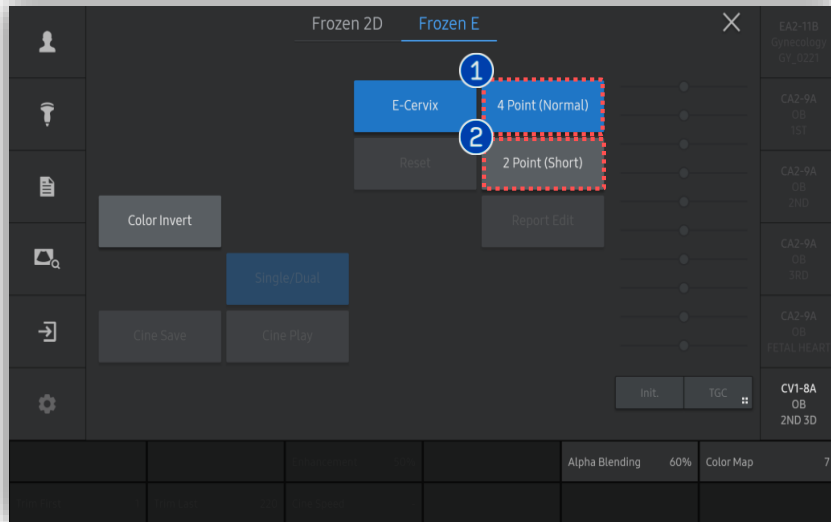
3. Indicators of ElastoScan+



① Auto Freeze	On	System would be automatically frozen when [Motion Guide Bar] is fully filled with green.
	Off	System would not be automatically frozen even [Motion Guide Bar] indicates that the acquired data is reliable which means manual freeze is needed.
② Single/ Dual		Option of display type. Select [Single] for larger size image of E-Cervix.
③ Color map		Tissue stiffness indication bar (Blue : Soft / Red : Hard)
④ Motion Guide Bar		When acquired data is reliable, entire motion guide bar turns from yellow to green.

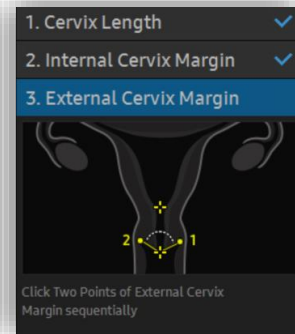
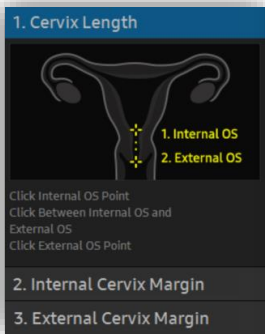
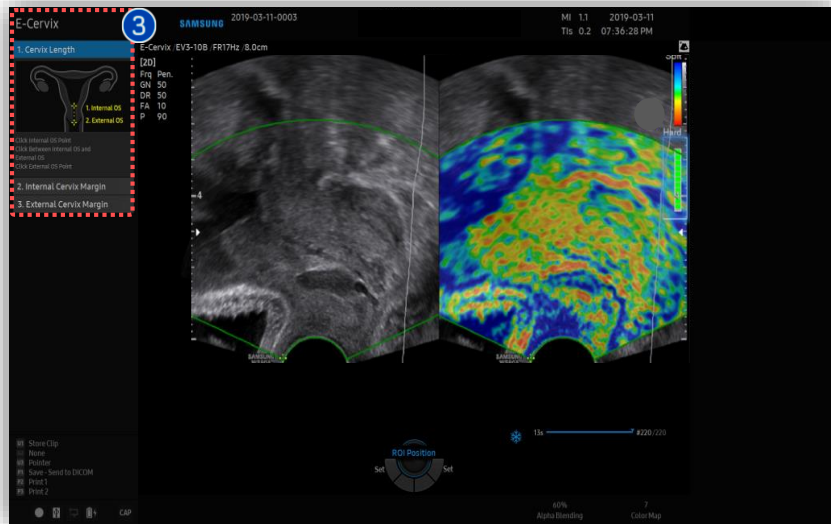
E-Cervix™

4. Choose a type of ROI option



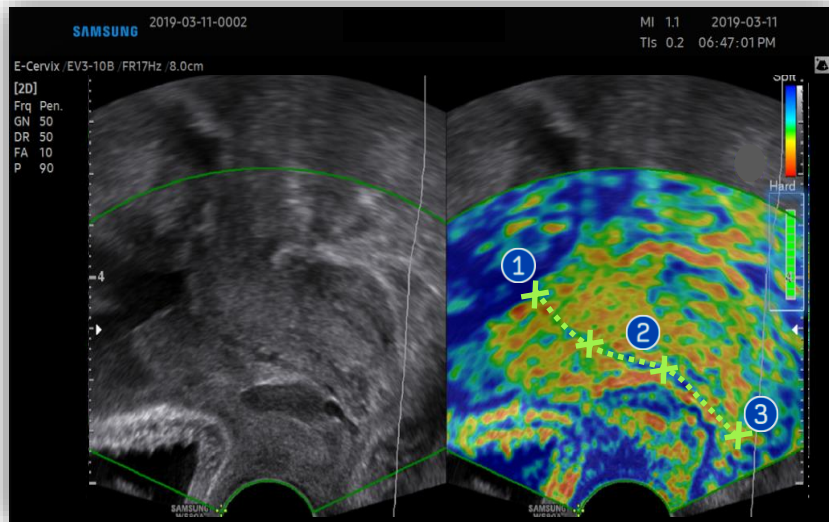
1	4 Point ROI	Use 4 point type incase of long cervix length
2	2 Point ROI	Use 2 point type incase of short cervix length

★Tips
 There are two types of ROI option between [4 Point] and [2 Point].
 Select proper option depends on the patient's cervical length and shape.



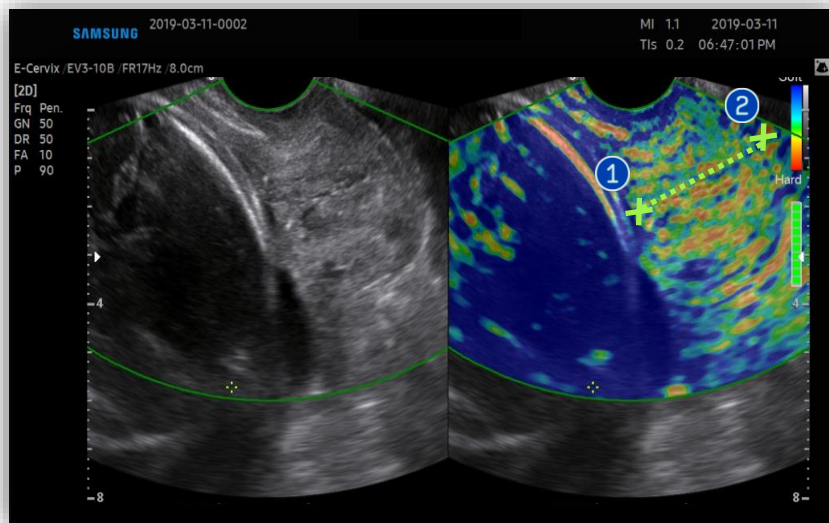
3	E-Cervix Guide	To specify ROI location, follow the steps on the left top.
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5. Set IOS and EOS



[4 Point Type]

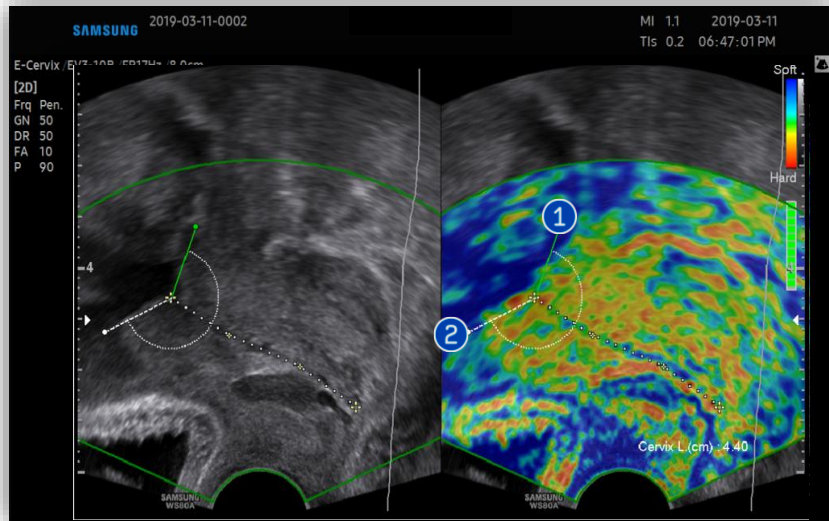
- ① Click on the internal OS.
- ② Click two points between IOS and EOS along the length of the cervical canal.
- ③ Click on the External OS.



[2 Point Type]

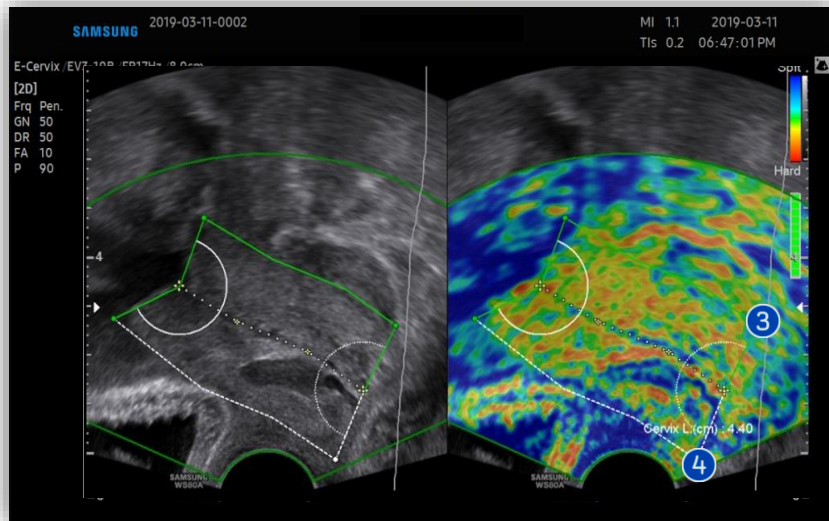
- ① Click on the internal OS.
- ② Click on the External OS.

6. Set margin of Cervix



① Once internal OS point is assigned, a green line will be activated from Internal OS area. To specify internal OS margin, adjust activated line to fit within the border of the cervix and press [Set] to fix.

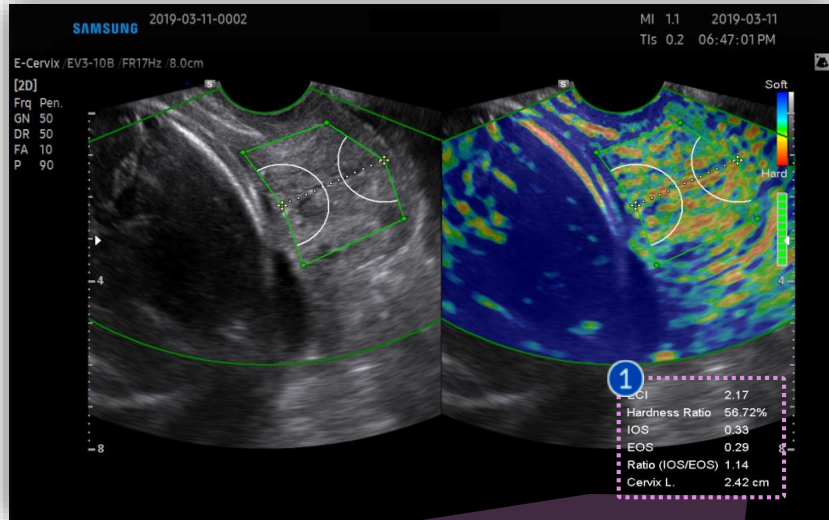
② A new line will appear on the opposite side of the cervix. Adjust the line to fit the border of the cervix and [Set] to fix.



③ After defining internal OS margin, adjust the line from the External OS and [set].

④ Adjust opposite line on the other side of external OS margin and [Set] to fix.

7. Results of E-Cervix™



1 Result After all points are placed, result box will come up at bottom right.

★Tips After drawing along the cervical line, the Cervical Length will be automatically displayed at the bottom right.

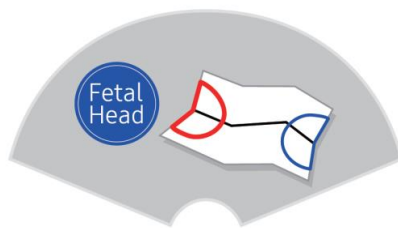
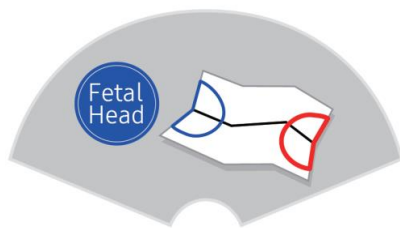
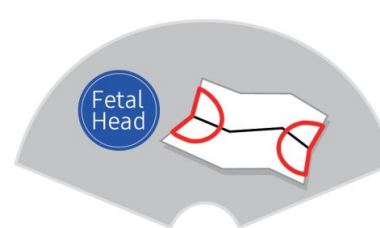
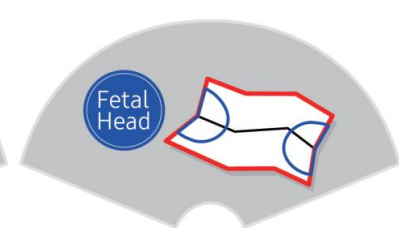
2	ECI	1.93
3	Hardness Ratio	60.41%
4	IOS	0.29
5	EOS	0.30
6	Ratio (IOS/EOS)	0.97
	Cervix L.	2.17 cm

[Monitor Screen]

2	ECI	Elasticity Contrast Index.
3	Hardness Ratio	Percentage of area, strain under 0.3. Can evaluate overall cervix stiffness.
4	IOS	Mean strain level (0~ 1) within 1cm from internal OS.
5	EOS	Mean strain level (0~ 1) within 1cm from external OS.
6	Ratio	Ratio between internal OS and external OS.

8. E-Cervix™ parameters description

Measurement Parameters	Description
IOS ¹ strain mean Level	<ul style="list-style-type: none"> Strain mean level in IOS¹ area Value range: 0 (hard) - 1 (soft)
EOS ² strain mean Level	<ul style="list-style-type: none"> Strain mean level EOS² area Value range: 0 (hard) - 1 (soft)
Ratio (IOS ¹ /EOS ²)	<ul style="list-style-type: none"> IOS¹ strain level/EOS² strain level
ECI ³	<ul style="list-style-type: none"> ECI³ represents how much heterogeneity or homogeneity is inside of the nodule within ROI box Value range: 0 (homogeneity) - 81 (heterogeneity)
Hardness Ratio	<ul style="list-style-type: none"> 30% hardness area in cervix ROI, value range: 0 (soft) - 100% (hard)

IOS¹EOS²IOS¹/EOS² ratioHardness ratio, ECI³

- 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 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 HERA W10 V1.03.
- Disclaimer: Some Images in this content were obtained from other system.

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