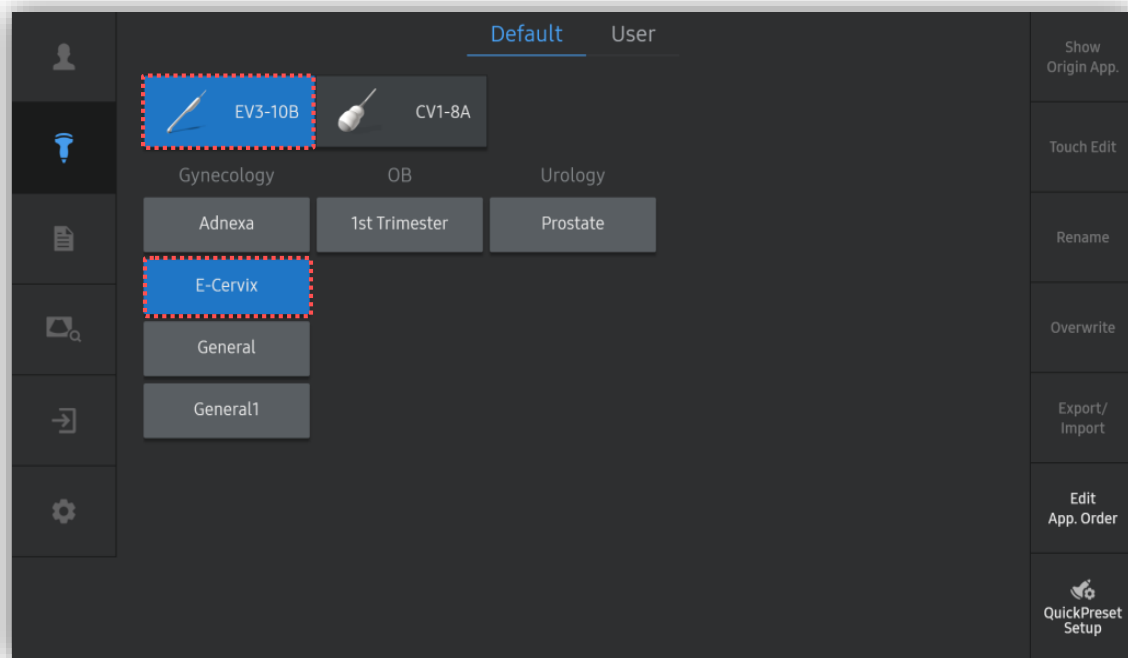# E-Cervix™

HERA W10 **Quick Guide**
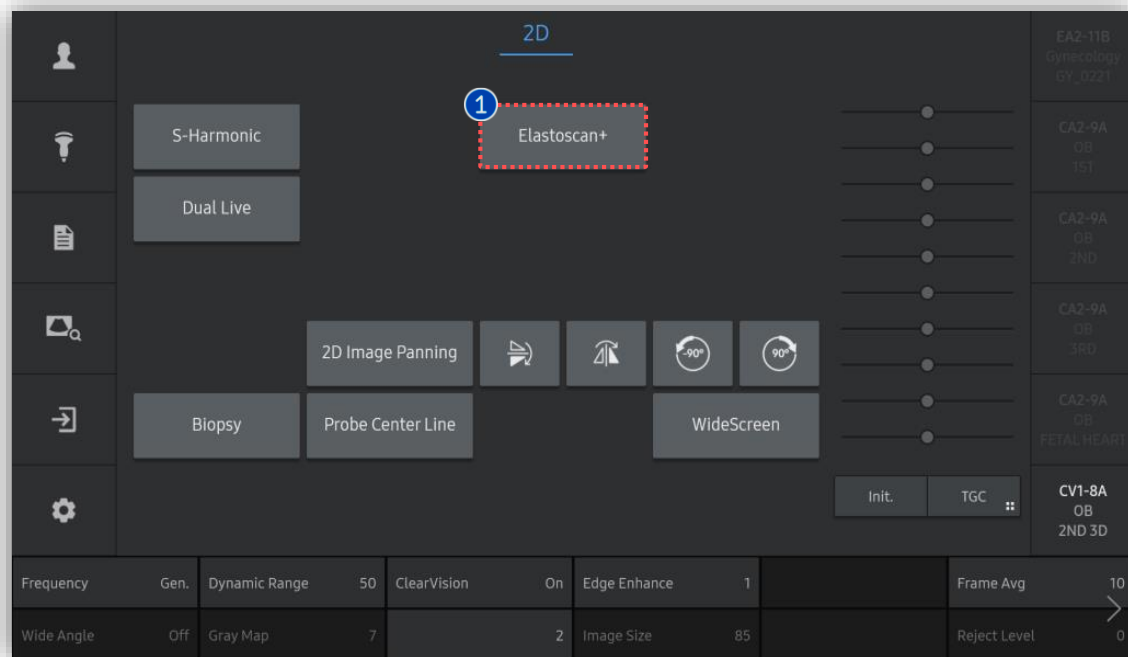
E-Cervix™

1. Probe and Preset

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

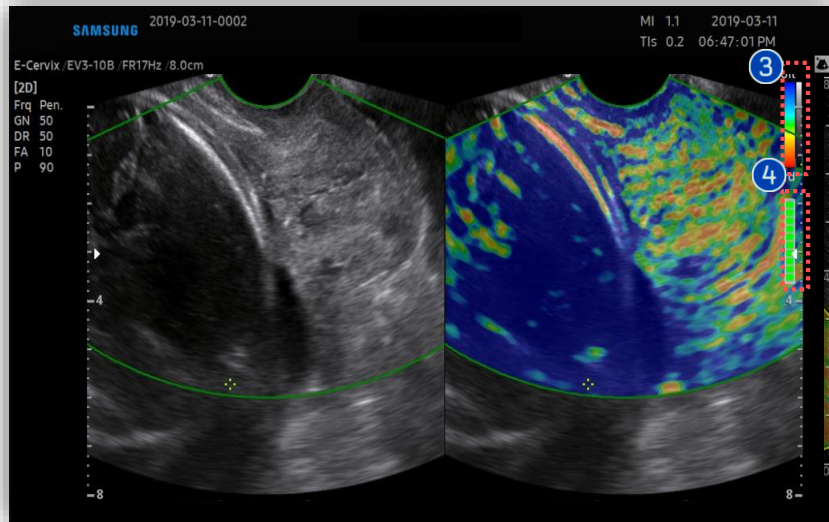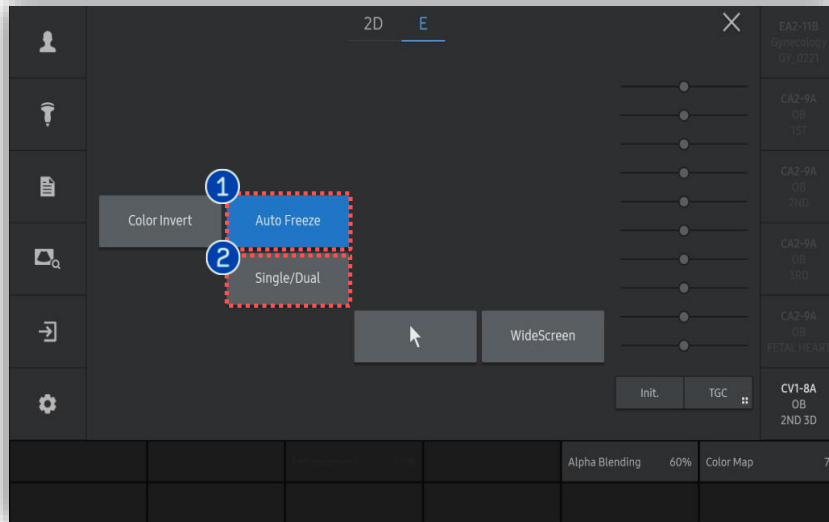| Probe	Application
EV3-10B EA2-11B, VR5-9	Gynecology(E-Cervix)

E-Cervix™ | 2. Start Elastoscan+

① Elastoscan+	Obtain a longitudinal midline section of the cervix and then select the Elastoscan+.

E-Cervix™

3. Indicators of ElastoScan+

❶ 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.
❷ Single/ Dual		Option of display type. Select [Single] for larger size image of E-Cervix.
❸ Color map		Tissue stiffness indication bar (Blue : Soft / Red : Hard)
❹ Motion Guide Bar		When acquired data is reliable, entire motion guide bar turns from yellow to green.

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4. Choose a type of ROI option
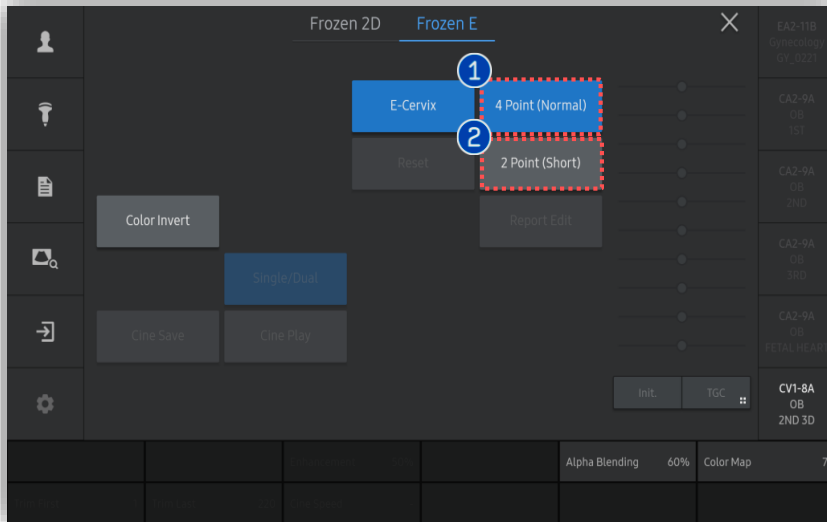
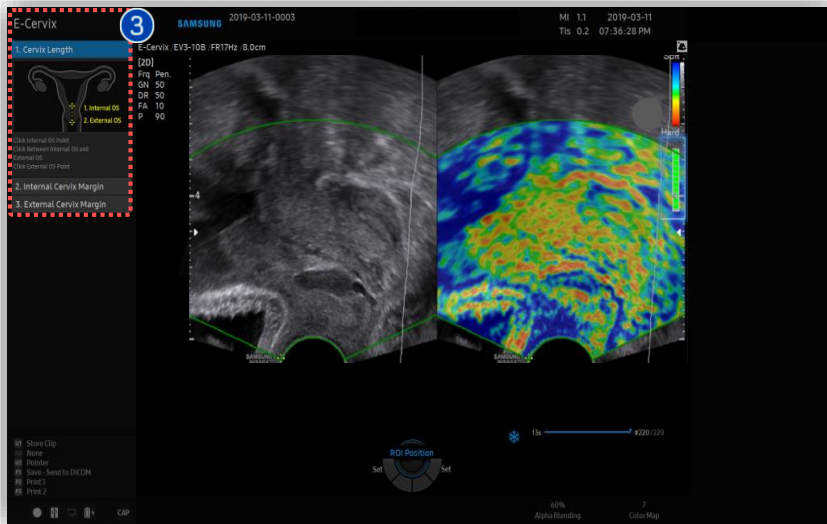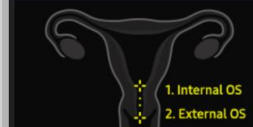| ❶ 4 Point ROI	Use 4 point type incase of long cervix length
❷ 2 Point ROI	Use 2 point type incase of short cervix length

★Tips

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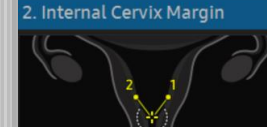Select proper option depends on the patient's cervical length and shape.

❸ E-Cervix Guide	To specify ROI location, follow the steps on the left top.

E-Cervix™   5. Set IOS and EOS
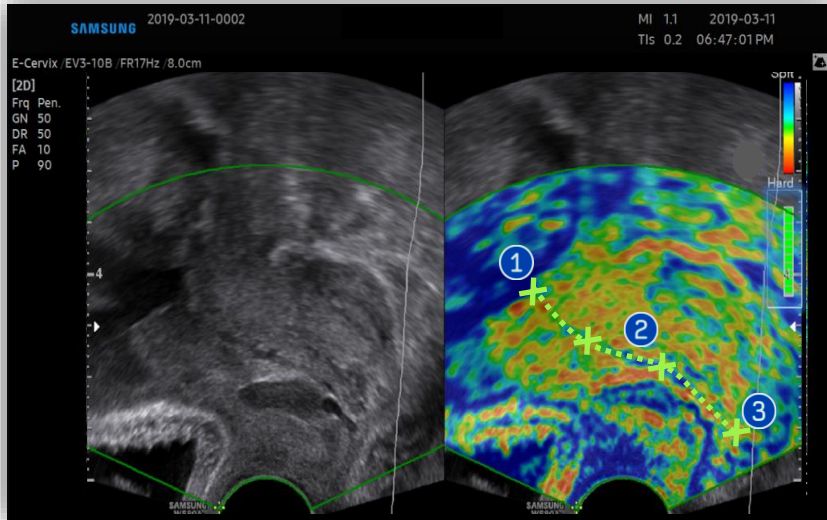
[4 Point Type]

① Click on the internal OS.

② Click two points between IOS and EOS along the length of the cervical canal.

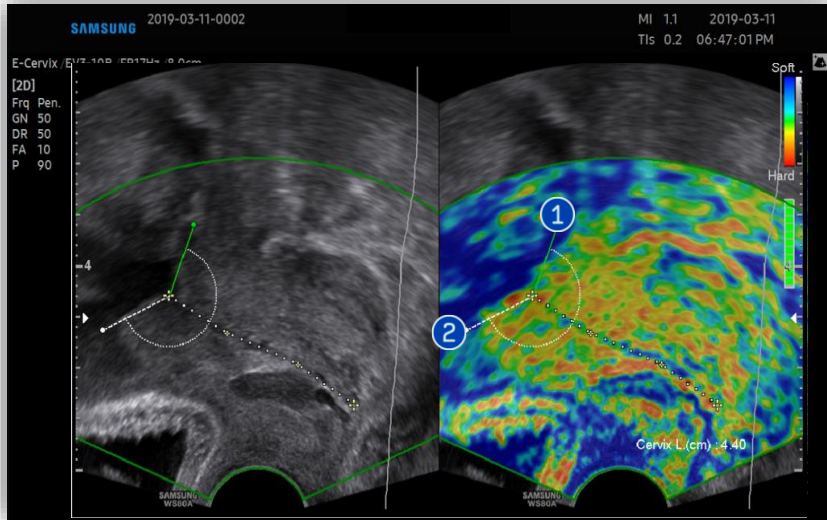③ Click on the External OS.
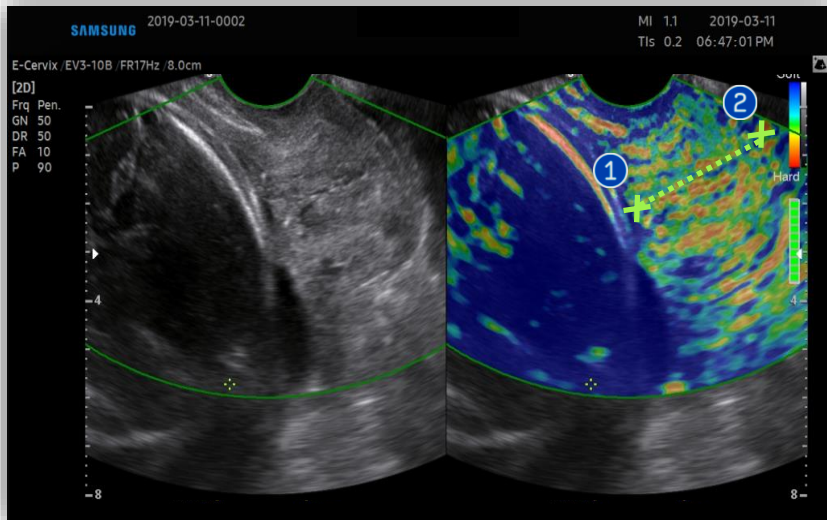
[2 Point Type]

① Click on the internal OS.

② Click on the External OS.

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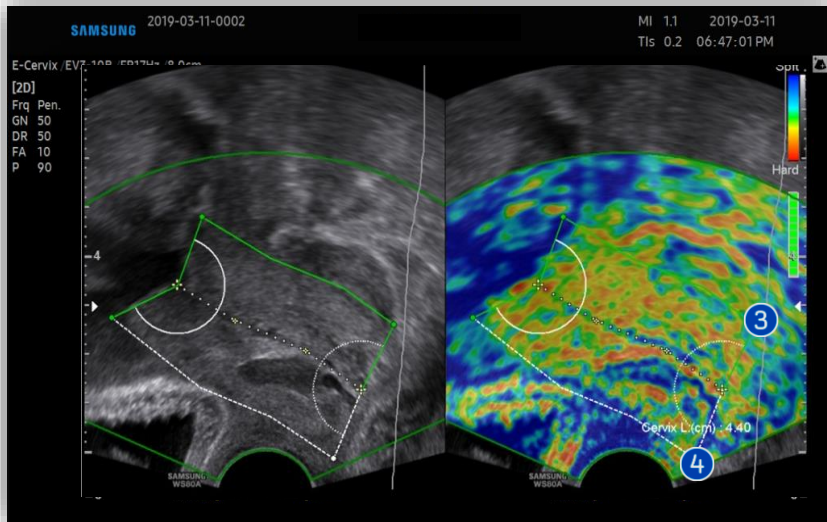
3 After defining internal OS margin, adjust the line from the External OS and [set].

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

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7. Results of E-Cervix™
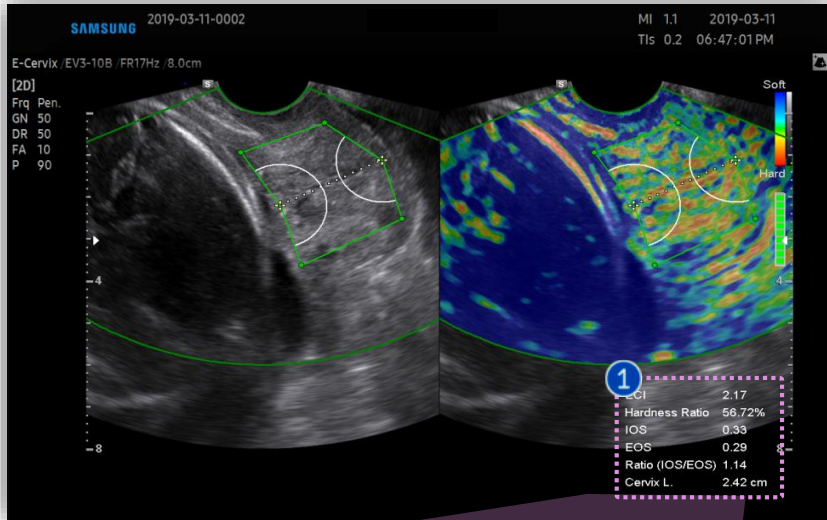

[Monitor Screen]

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	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.

E-Cervix™

8. E-Cervix™ parameters description

Measurement Parameters	Description
IOS[1] strain mean Level	• Strain mean level in IOS[1] area • Value range: 0 (hard) – 1 (soft)
EOS[2] strain mean Level	• Strain mean level EOS[2] area • Value range: 0 (hard) – 1 (soft)
Ratio (IOS[1]/EOS[2])	• IOS[1] strain level/EOS[2] strain level
ECI[3]	• ECI[3] represents how much heterogeneity or homogeneity is inside of the nodule within ROI box • Value range: 0 (homogeneity) – 81 (heterogeneity)
Hardness Ratio	• 30% hardness area in cervix ROI, value range: 0 (soft) – 100% (hard)

IOS[1]　　　　EOS[2]　　　　IOS[1]/EOS[2] ratio　　　　Hardness ratio, ECI[3]
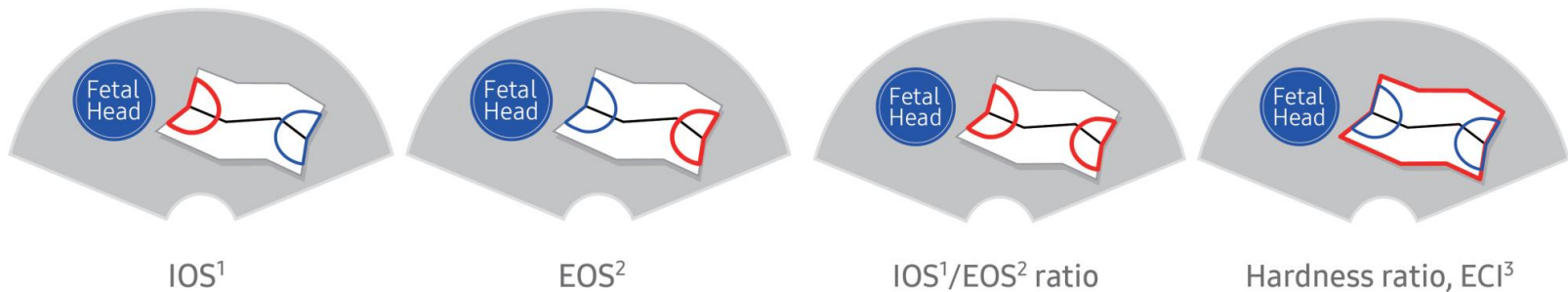
- The features, options may not be commercially available in some countries.
- Sales and shipments are effective only after the approval by the regulatory affairs. Please contact your local sales representative for further details.
- This Quick guide does not include all of the details of instruction, 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 HERA W10 V1.03.
- Disclaimer: Some Images in this content were obtained from other system.