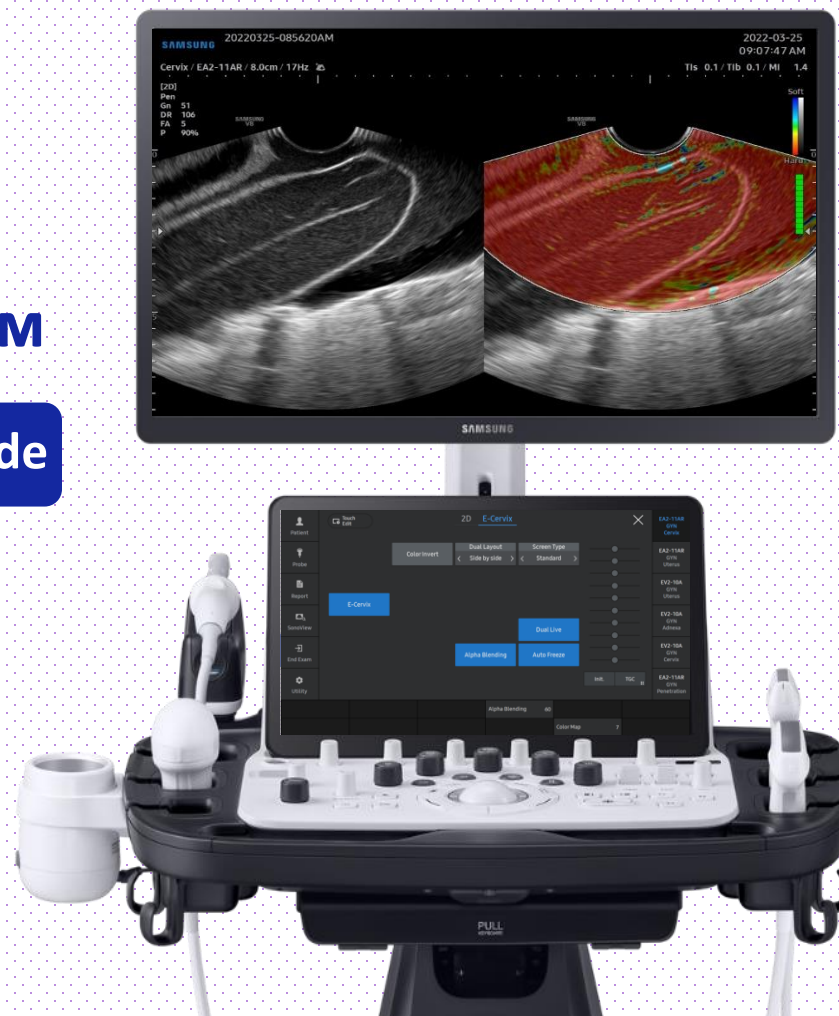
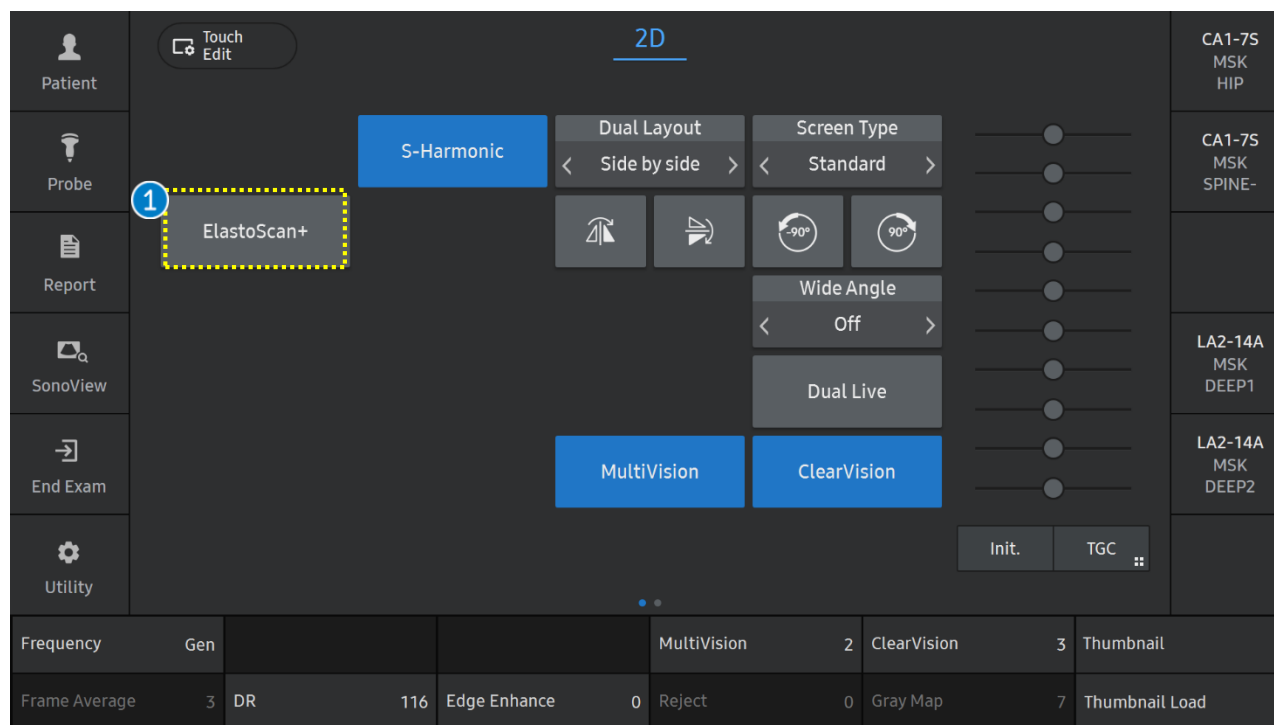


E-Cervix™

V8 User Quick Guide



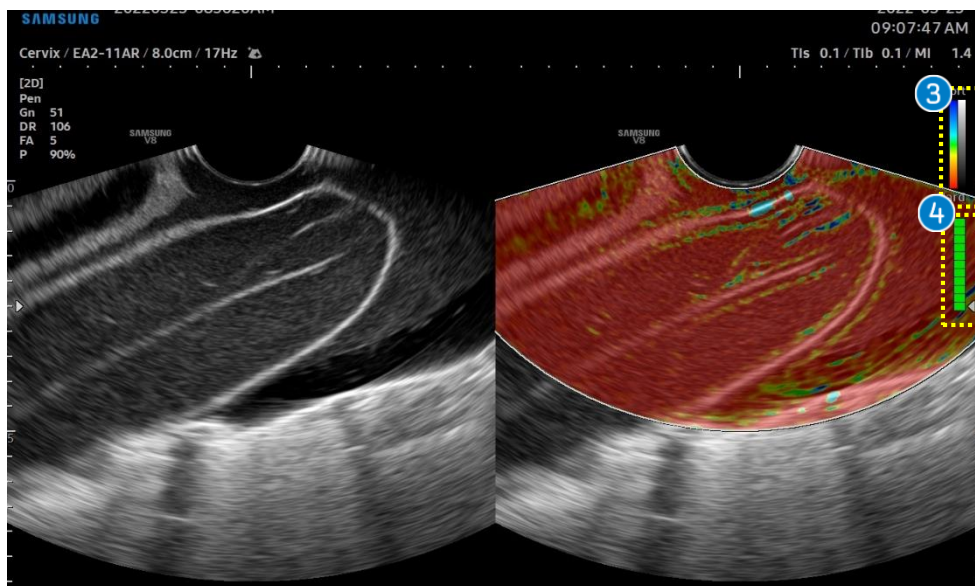
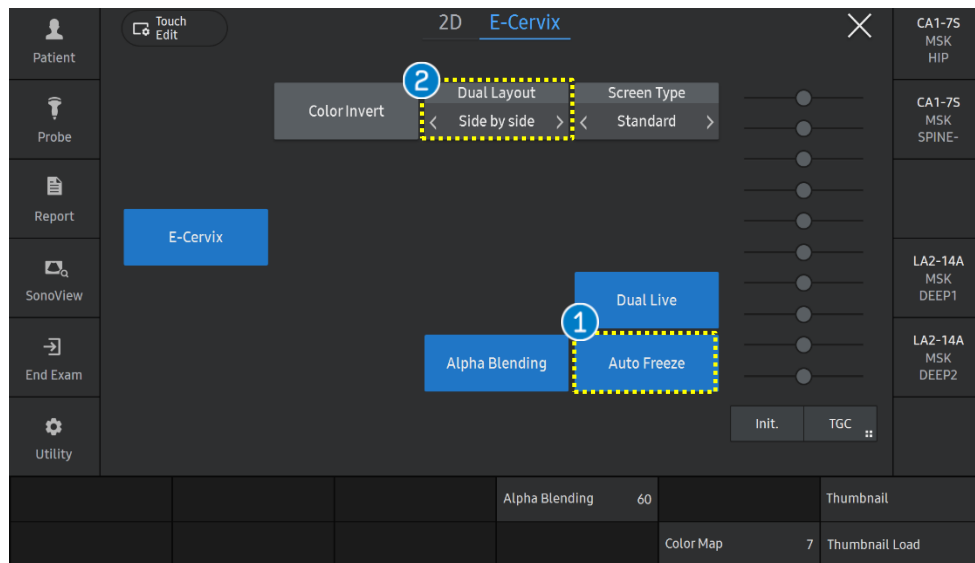
1. Start ElastoScan+



1 Elastoscan+

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

2. Indicators of ElasoScan+



1 Auto Freeze

On

System will automatically freeze when the [Motion Guide Bar] is completely green.

Off

System will not automatically freeze even when the [Motion Guide Bar] indicates that the acquired data is reliable, which means manual freeze is needed.

2 Dual Layout

Option of display type.

Select [Side by side] or [Up/Down].

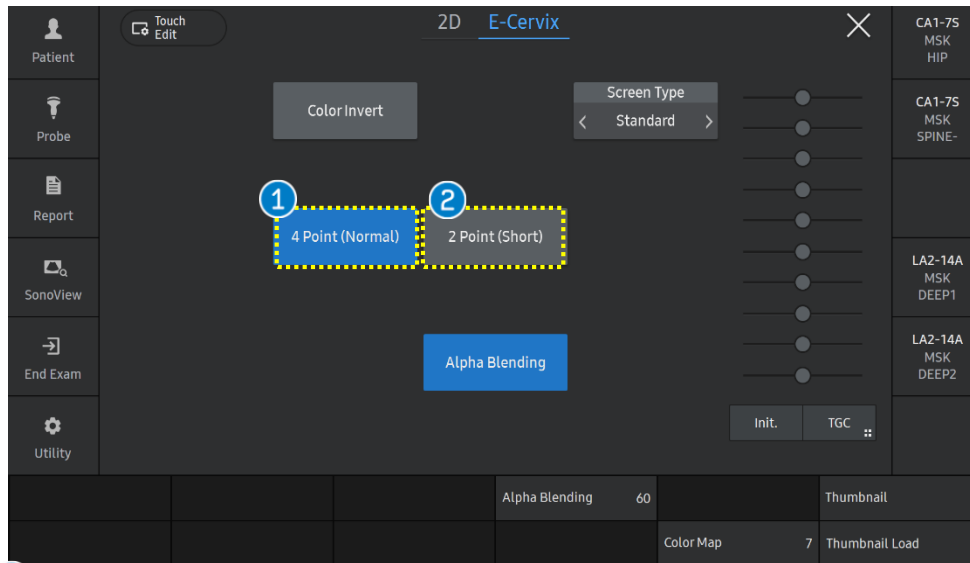
3 Color map

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.

3. Choose a type of ROI option



① 4 Point

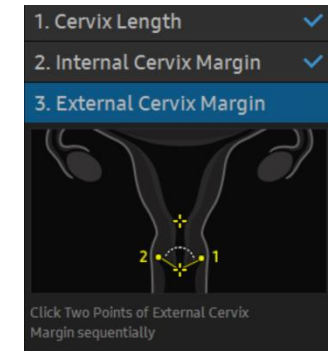
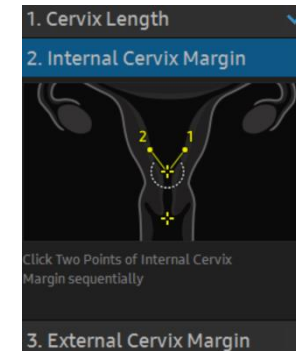
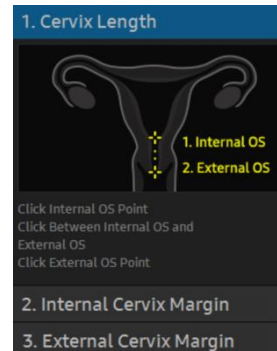
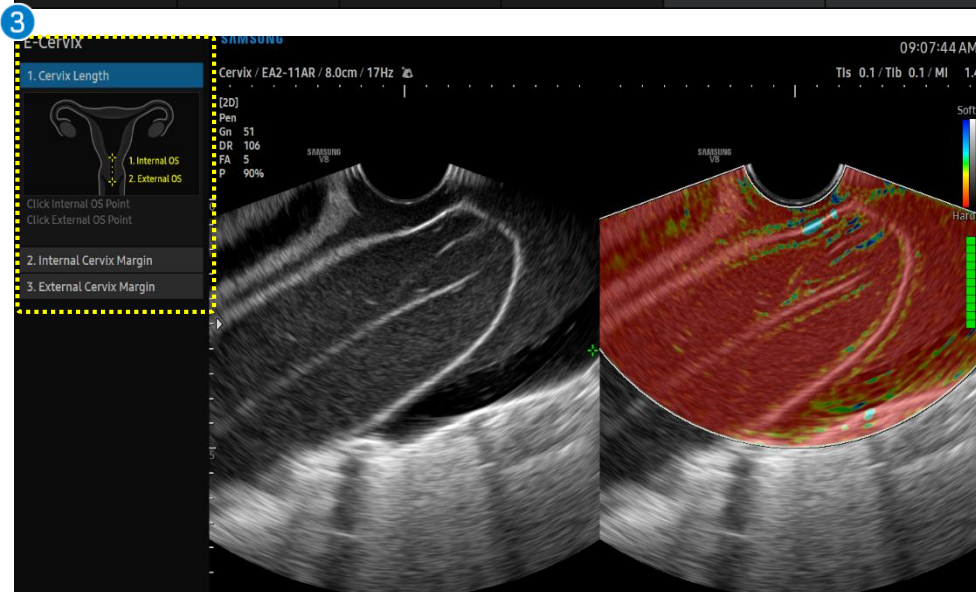
Use 4 point type in case of long cervix length.

② 2 Point

Use 2 point type in case of short cervix length.

Notes

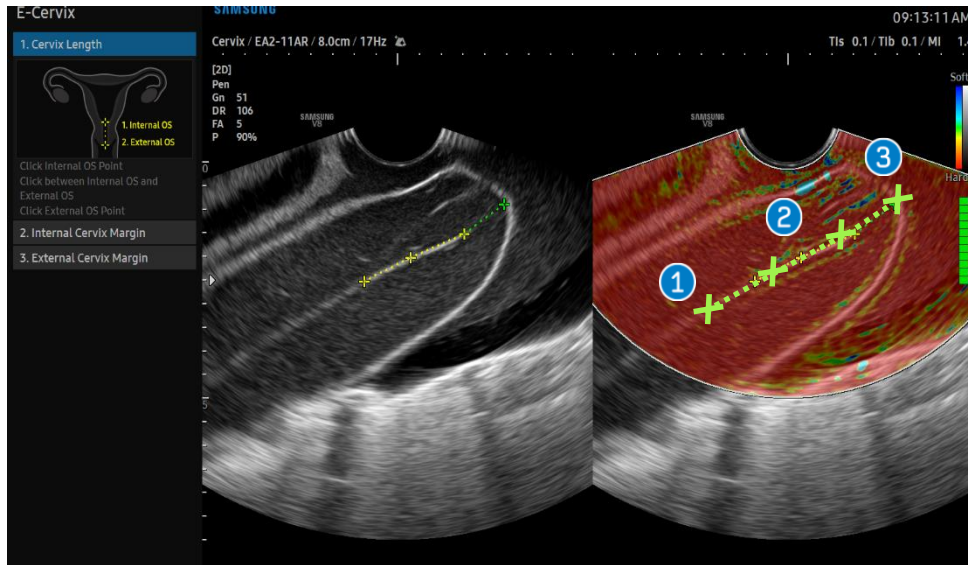
There are two types of ROI options, [4 Point] and [2 Point].
Select the proper option depending on the patient's cervical length and shape.



③ E-Cervix Guide

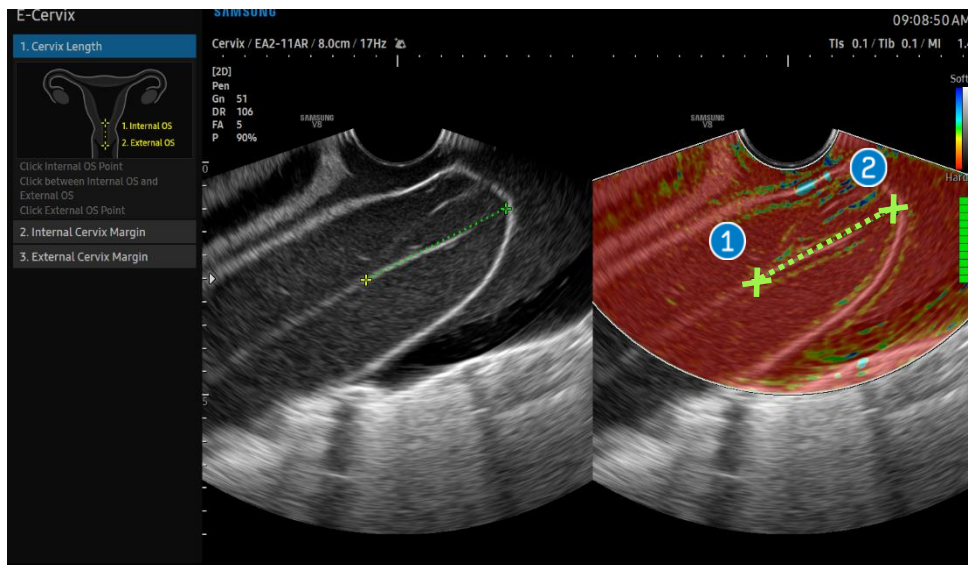
To specify ROI location, follow the steps on the top left.

4. Set IOS and EOS



[4 Point Type]

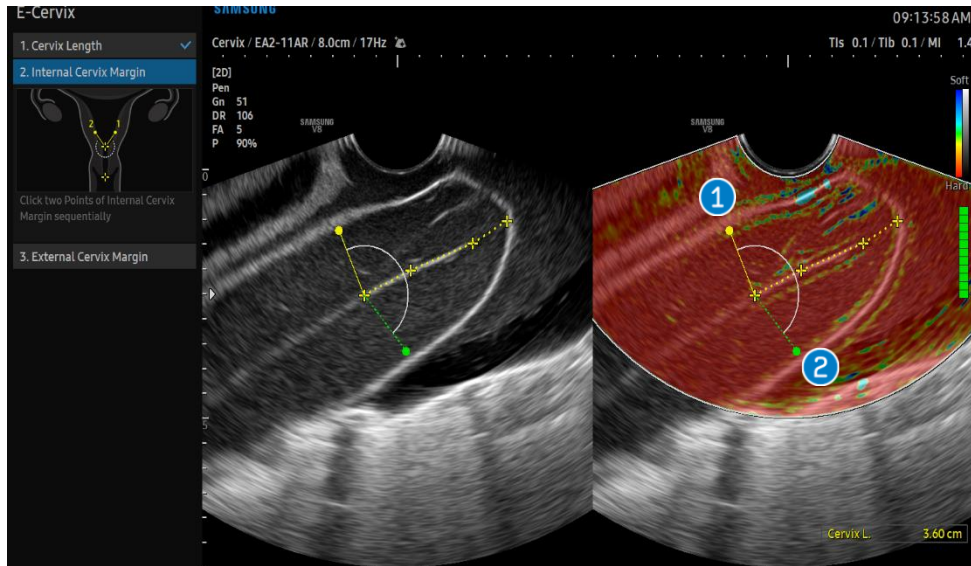
- 1 Click on the Internal OS.
- 2 Click two points between IOS and EOS along the length of the cervical canal.
- 3 Click on the External OS.



[2 Point Type]

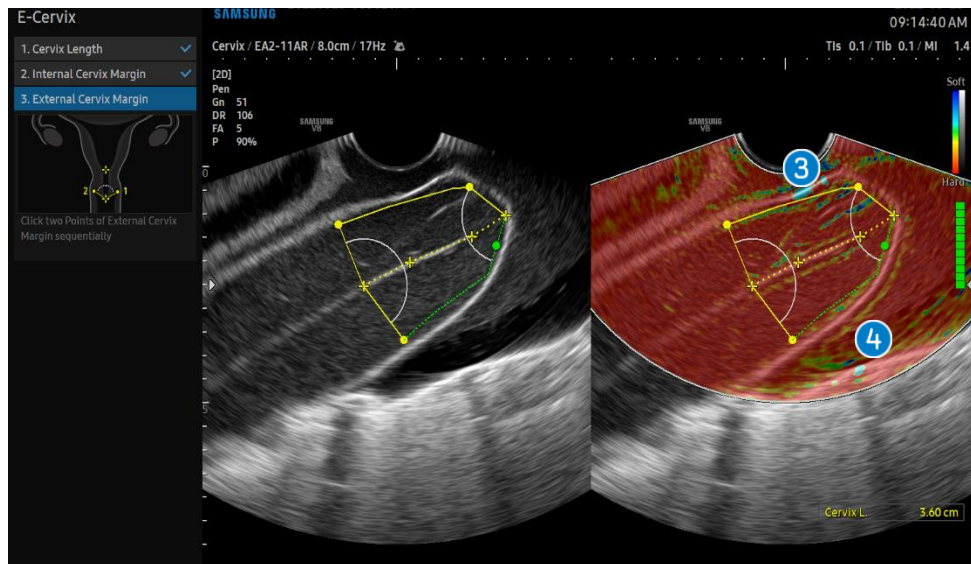
- 1 Click on the Internal OS.
- 2 Click on the External OS.

5. Set margin of Cervix



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

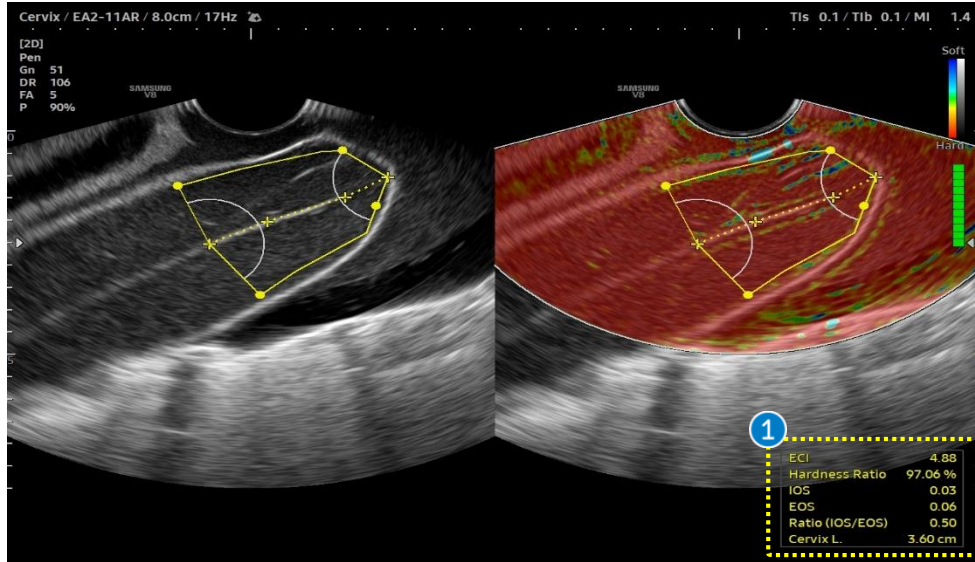
② A new line will appear on the opposite side of the cervix. Adjust the line to fit the border of the cervix and press [Set] to confirm.



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

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

6. Results of E-Cervix™



① Result

After all points are placed, a result box will appear at the bottom right.

Notes

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

②	ECI	4.88
③	Hardness Ratio	97.06 %
④	IOS	0.03
⑤	EOS	0.06
⑥	Ratio (IOS/EOS)	0.50
	Cervix L.	3.60 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

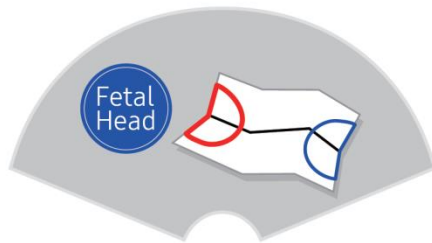
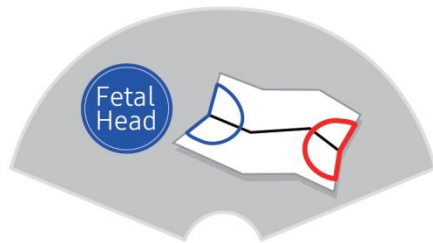
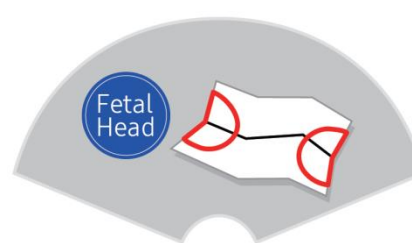
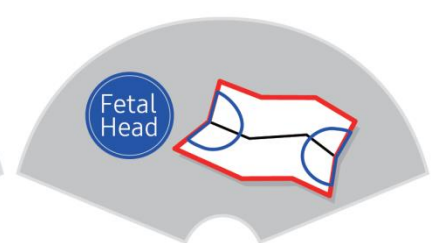
Mean strain level (0~ 1) within 1cm from external OS.

⑥ Ratio

Ratio between internal OS and external OS.

7. E-Cervix™ parameters description

Measurement Parameters	Description
IOS ¹ strain mean Level	- Strain mean level in IOS¹ area - Value range: 0 (hard) - 1 (soft)
EOS ² strain mean Level	- Strain mean level in EOS² area - Value range: 0 (hard) – 1 (soft)
Ratio (IOS ¹ /EOS ²)	IOS¹ strain level/EOS² strain level
ECI ³	- ECI³ represents how much heterogeneity or homogeneity is inside the nodule within the ROI box - Value range: 0 (homogeneity) – 81 (heterogeneity)
Hardness Ratio	30% hardness area in cervix ROI, value range: 0 (soft) - 100% (hard)

IOS¹EOS²IOS¹/EOS² ratioHardness ratio, ECI³

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- * The features mentioned in this document may not be commercially available in all countries. Due to regulatory reasons, their future availability cannot be guaranteed.
- * This product is a medical device, please read the user manual carefully before use.
- * This document is provided to help you understand the feature.