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# UterineContour™

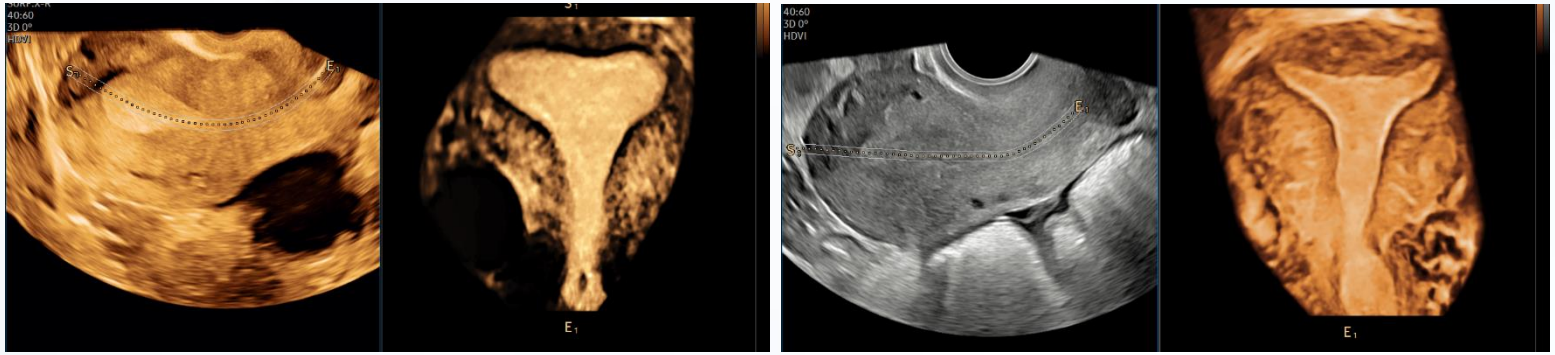
A feature to extract the centerline and thickness of endometrium semi-automatically

Tips & Tricks

# Clinical Values

## Clinical Benefits & Cases

- UterineContour™ can show a coronal view in easy way, which is useful to figure out the female genitalia anomaly.
- Save your manipulation time to find a ideal coronal view to assess an endometrium shape in 3D.
- In addition, uterine malformation classification are reported according to the *ESHRE/ESGE or **ASRM guideline selection.



** ASRM : American Society for Reproductive Medicine*
*** ESHRE/ESGE: European Society of Human Reproduction and Embryology/ European Society for Gynaecological Endoscopy*

# Configuration

## Checklist

- [illegible]
- [illegible]
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# Tips & Ticks

## 01. Pre-Condition for UterineContour™

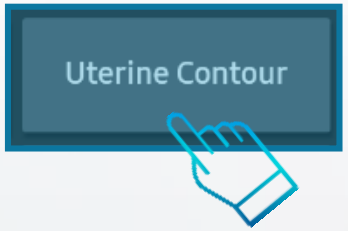
- Uterine contour™ works regardless an endometrium thickness, which is changing depends on a reproduction cycle. There are in Early proliferative, secretory, premenstrual and additionally post-menopause phase.
- Recommend to demonstrate endometrium's echogenic centerline in Sagittal view for high detection rate and accuracy.

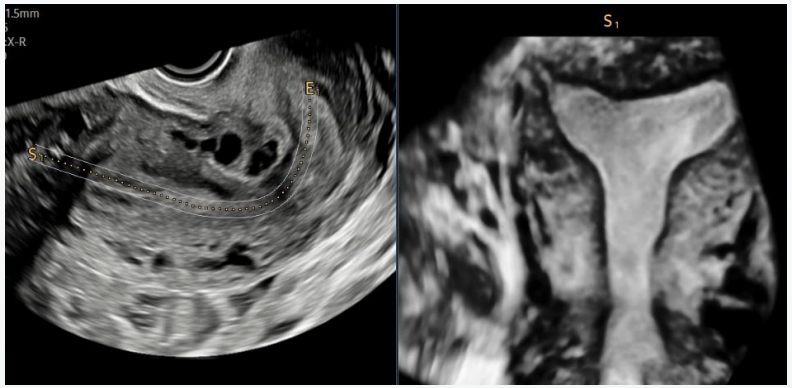
## 02. How to do the UterineContour™

- Take a Volumetric Uterus Coronal view through Uterine Contour by Semi-automatic operation.


① Take a sagittal view with an endometrium line.

② Tap the [Uterine Contour] button on the Touchscreen.



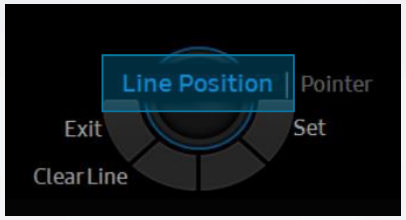




③ Both A plane and Oblique(OVIX) view are shown.

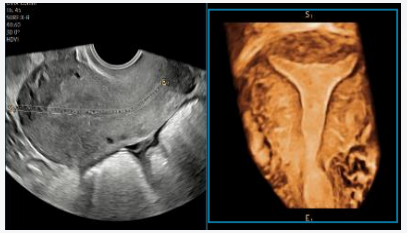
# UterineContour™



## 03. UterineContour™ Adjustment

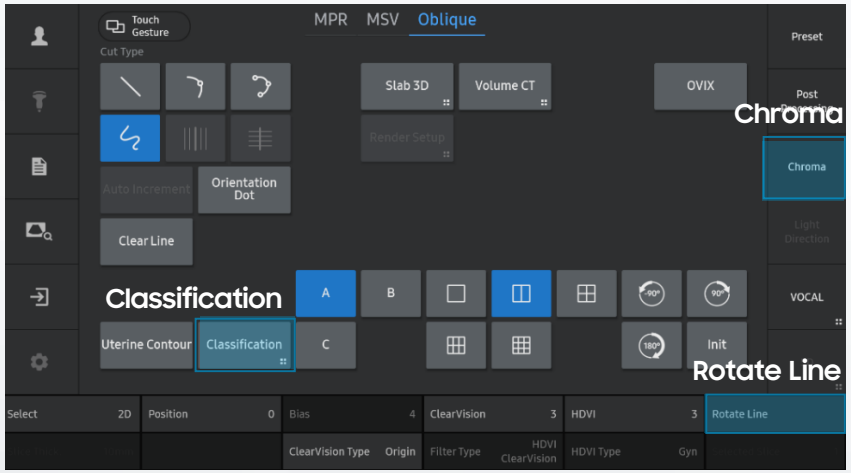



- **Line Position**
  Update a contour line by moving a trackball.



- **Chroma**
  Switch a 2D or 3D Plane's Chroma map. Sepia map (Map 2 - 7) is usually preferred for contrasty image.

- **Rotate Line :** Rotate a contour line with a knob button.

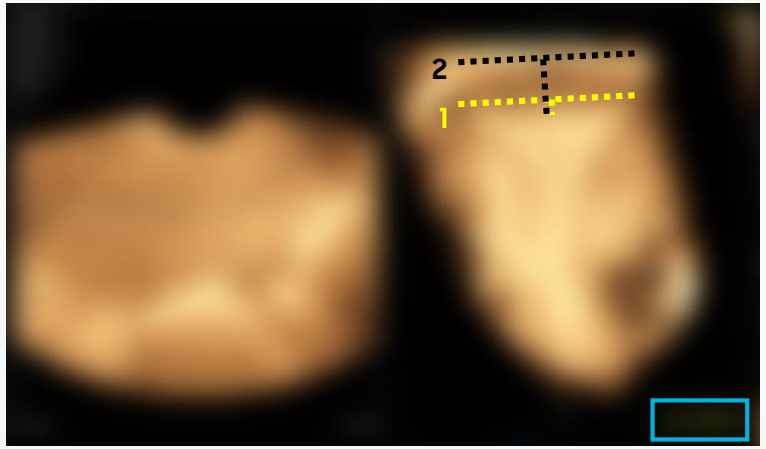



- ***Line position*** *and* ***Rotation Line*** *adjustment would be helpful to navigate and define an uterine congenital anomaly.*

## 04. Measurement

- **Measurement assessment is supported with caliper to classify a type of uterine structure : Bicornuate, Septate, Arcuate uterus**

1) Measure a distance between the intercristal line and the uterine fundus (Below image)
2) Measure the outer surface : Take distance between intercornual line and present cleft horns/the apex of fundal external contour



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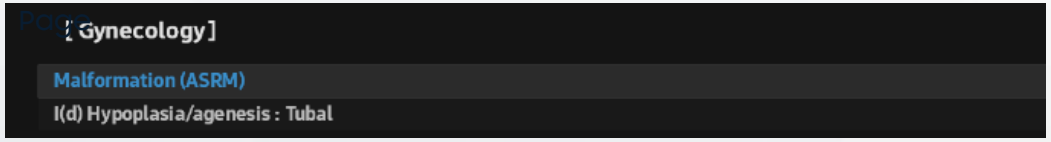
## 05. Assign a Classification

- **ESHRE/ESGE Classification**
- **ASRM(1998) Classification**
- **ASRM MAC 2021 Classification**
- **Select your default classification**

  → Utility > MeasureSetup > Gynecology > Uterus
- **Report Assign by tapping the [Classification]**

  Type of uterus is assigned to the report description by tapping a specific one on the Touchscreen.


- **Report page :** The assigned Classification will be shown on the Report



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