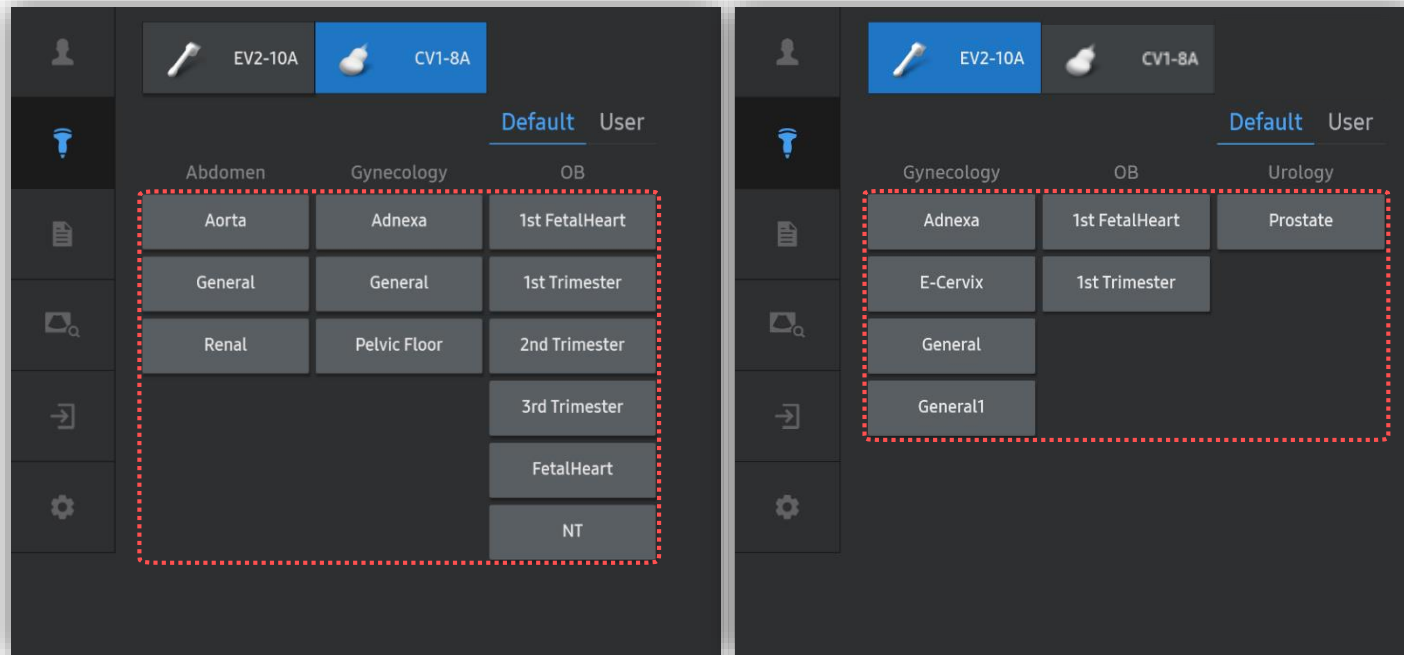


5D CNS+ Auto™

HERA W10 Quick Guide



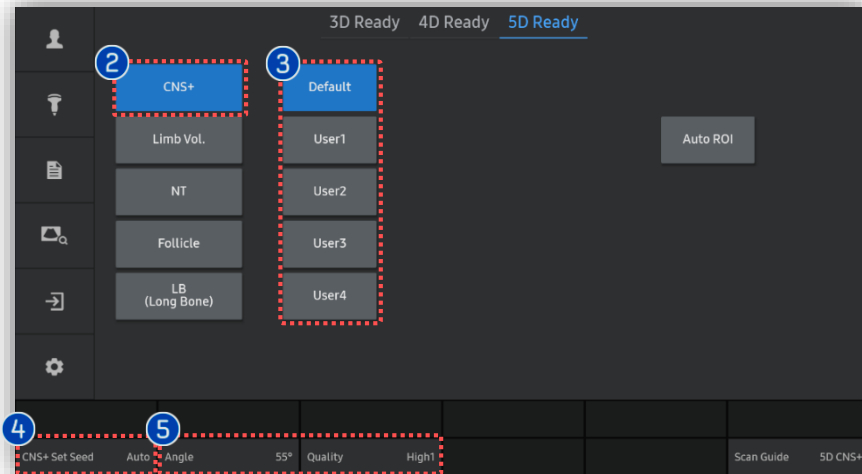
1. Probe and Preset



※ 5D CNS+™ with AI can be operated under the following conditions :

Probe	Application
CV1-8A EV3-10B EV2-10A EV2-12 (Only for W10 Elite)	All Application * Select proper preset regarding to fetal gestational age.

2. Activate 5D CNS+™ with AI (Before 3D Acquisition)



① 5D Button	Press [5D] button on the control panel.
② CNS+	Tap [CNS+] to activate 5D CNS+.
③ Preset	Select preferred preset between default and users. Each 5D feature can have its own preset parameters.
④ CNS+ Set Seed	Select 'Auto' for AI method or 'Manual' for conventional method.
⑤ Parameters	3D scan [Angle] and [Quality] are customizable.
⑥ Scan	Scan the fetal brain

★ Scan Acquisition Tips

There are no scan restriction, but the recommended acquisition plane is the axial plane. (close to TT, TV, TC)
GA Range: 20~32 weeks

3. Activate 5D CNS+™ with AI (After 3D Acquisition)



2 3D Acquisition

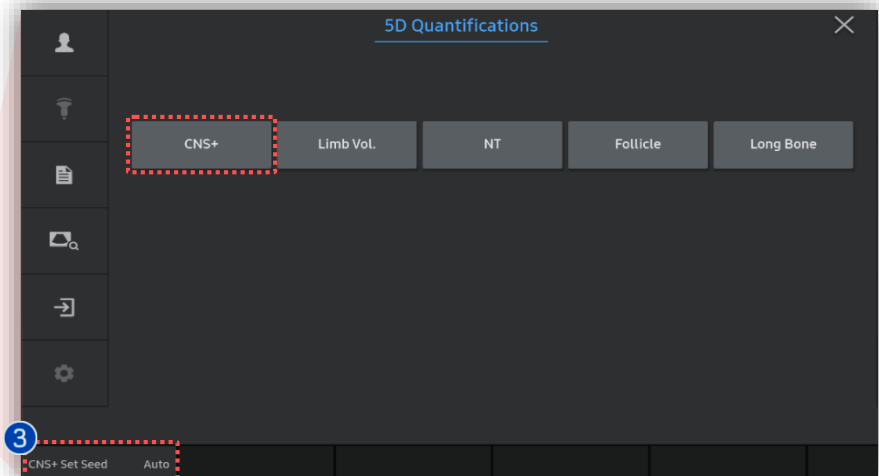
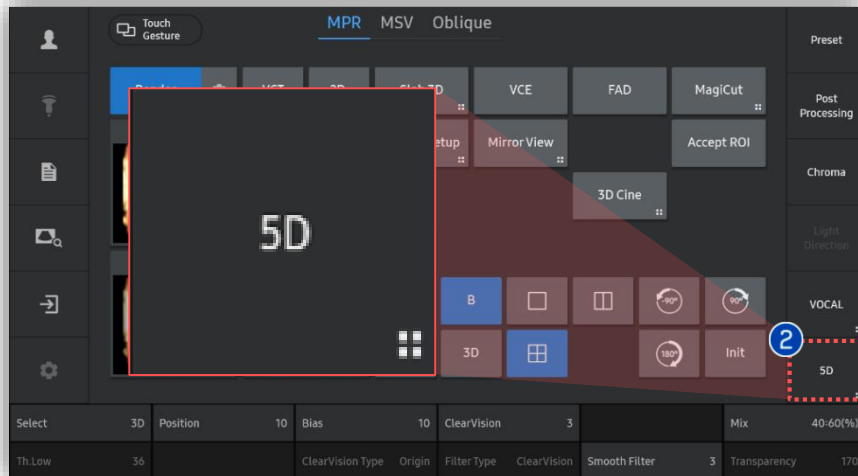
If 3D image acquisition is already done by 3D button,

2 5D Quantifications

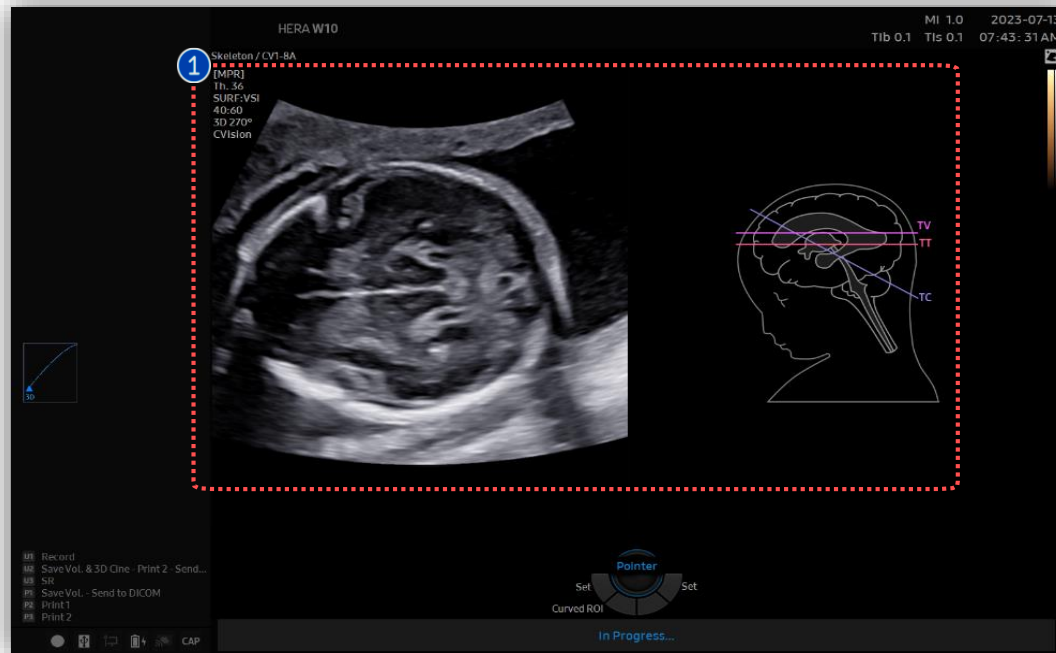
Tap to activate 5D features and select [CNS+].

3 CNS+ Set Seed

Select 'Auto' for AI method or 'Manual' for conventional method.



4. Automatically analyzed



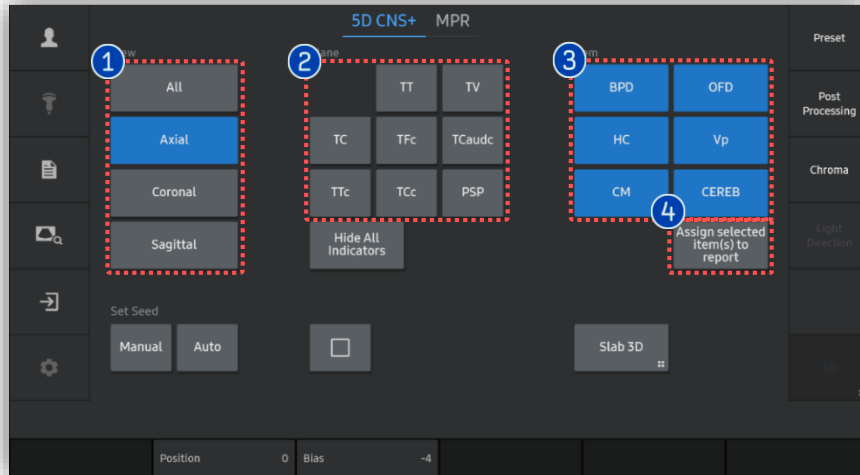
1 No Seed Point

Automatically analyze the volume acquisition with 7 landmarks.

7 Landmarks

- CSP : Cavum septum pellucidum
- CER : Cerebellum
- T : Thalamus
- CP : Choroid Plexuses
- LV : Lateral ventricle
- IHF : Interhemispheric fissure
- Caud : Caudate nucleus

5. 5D CNS+™ Touch Screen



① View	Images grouped by section planes
② Plane	Specific 8-plane for fetal CNS evaluation.
③ Item	Tap to modify each measurement item. (※It is only provided on Axial plane)
④ Assign selected items to Report	Select item(s) to assign the report.
⑤ Report	Selected items will be shown on the report.

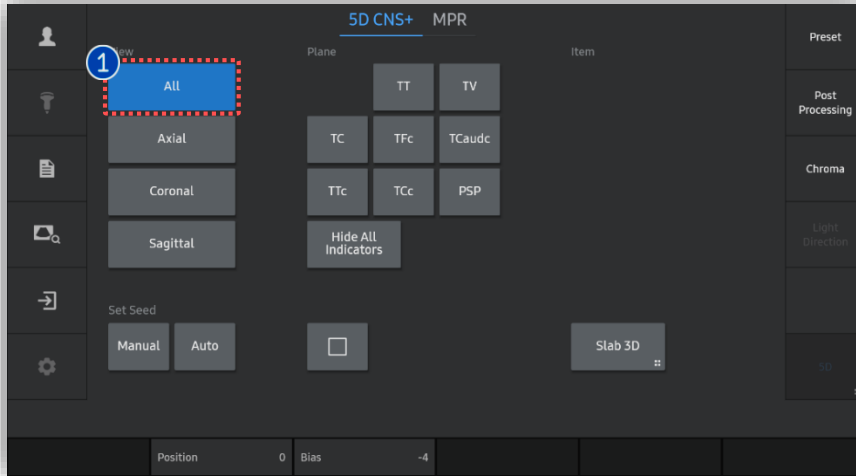


★ Tips

❖ Slab 3D

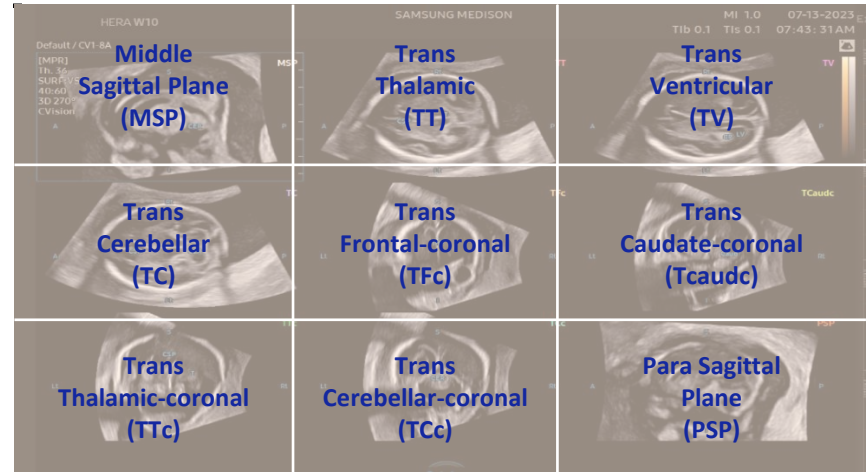
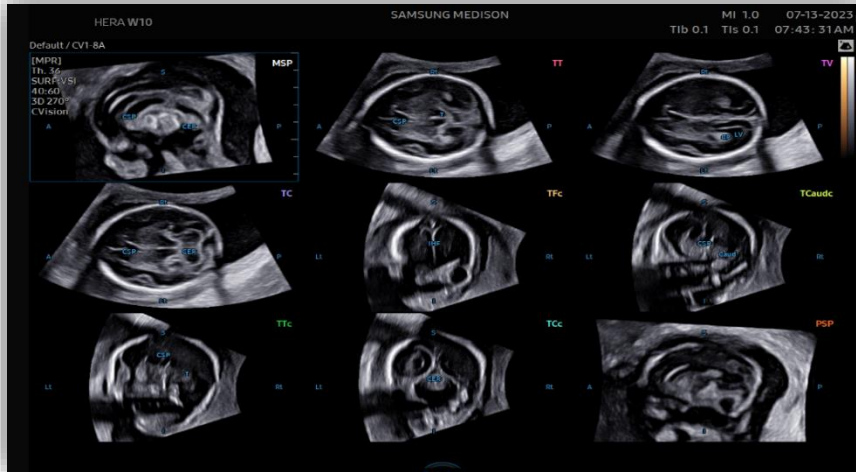
Slices of a 3D image will be displayed as images rendered in 3D. You may select [Slab 3D Type] among Surface, X-ray, Max and Min.

6. Result View (All)

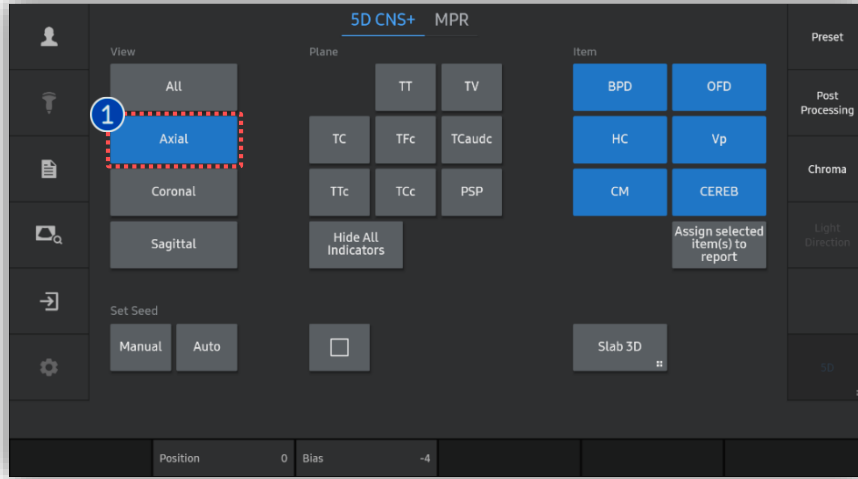


1 All

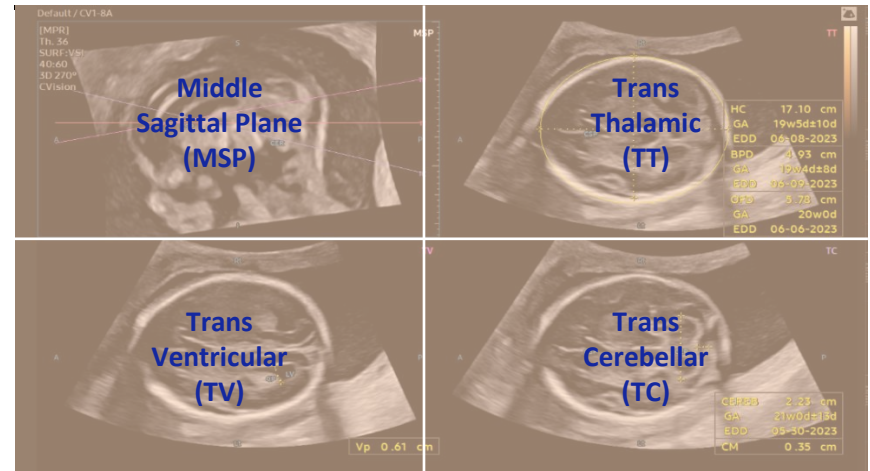
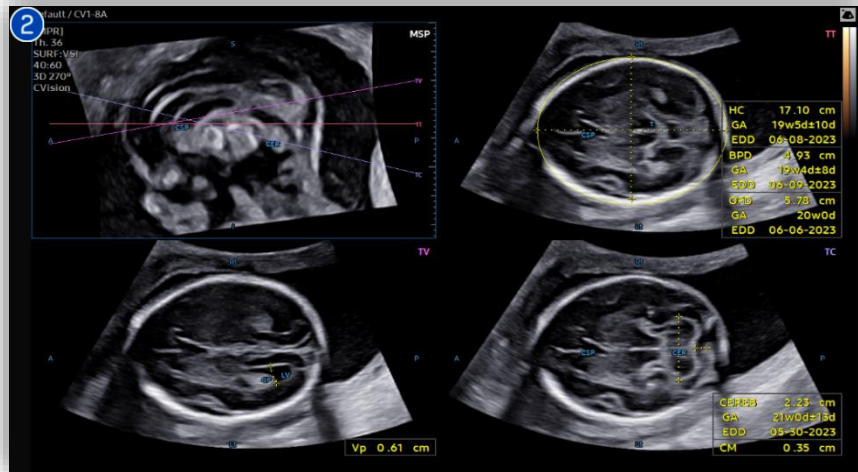
After getting Auto analyzed volume acquisition, 5D CNS+ provides 9 planes for fetal head diagnosis, as well as anatomical indicator will be displayed.



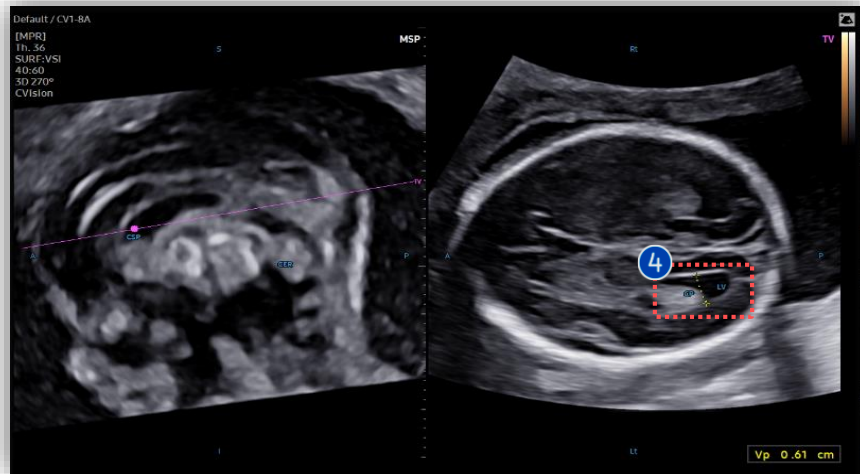
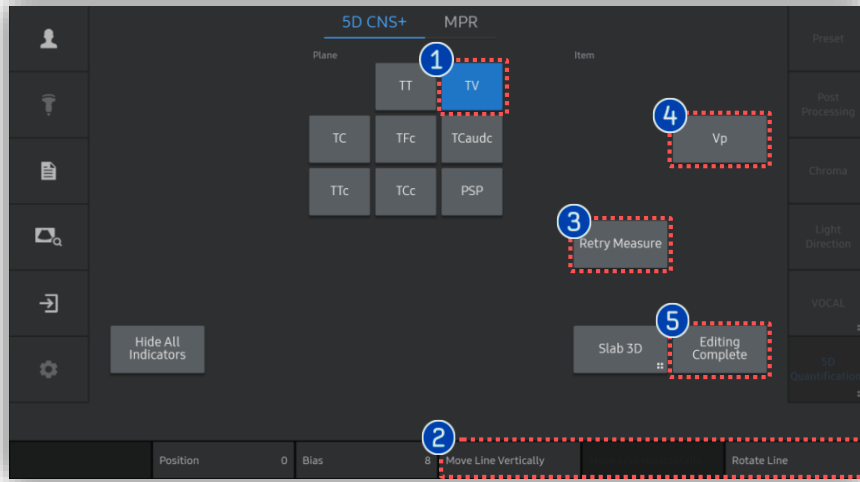
7. Result View (Axial)



- | | |
|---------------------------|--|
| 1 Axial | Select Axial to review 3 axial views include TT, TV and TC. |
| 2 CNS+ Measurement result | With Axial view, measurement results will automatically displayed on the monitor include HC, BPD, OFD, Vp, CEREB and CM. |



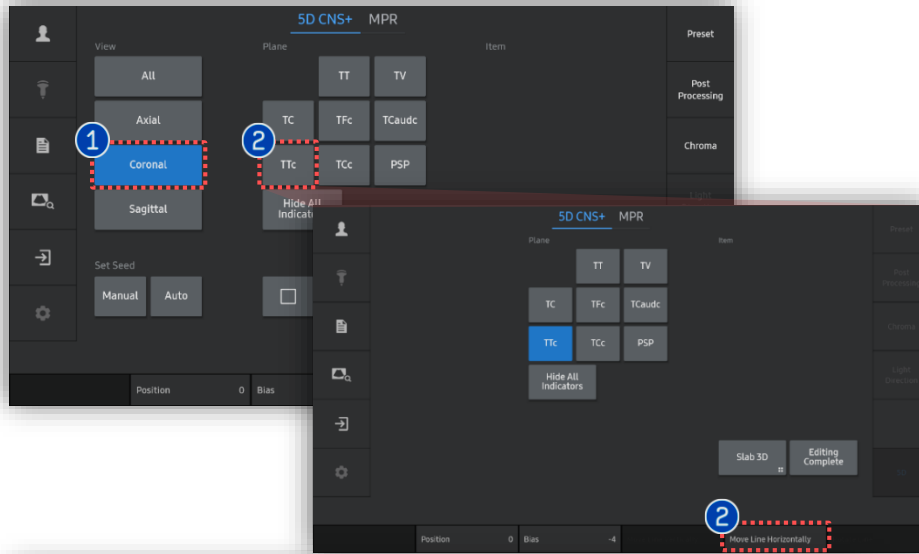
8. Result View (Axial-Retry Measure)



In case of re-measurement,

- | | |
|---|---|
| ① Plane | Tap proper plane among [TT], [TV] or [TC] that has measurement data. |
| ② Move Line Vertically, Move Line Horizontally, Rotate Line | If needed, edit plane by using knob buttons. |
| ③ Retry Measure | Auto measure again on selected plane. |
| ④ Item | Manual measurement on assigned item. |
| ⑤ Editing Complete | Once the editing is completed, tap [Editing Complete] to assign the result. |

9. Result View (Coronal)

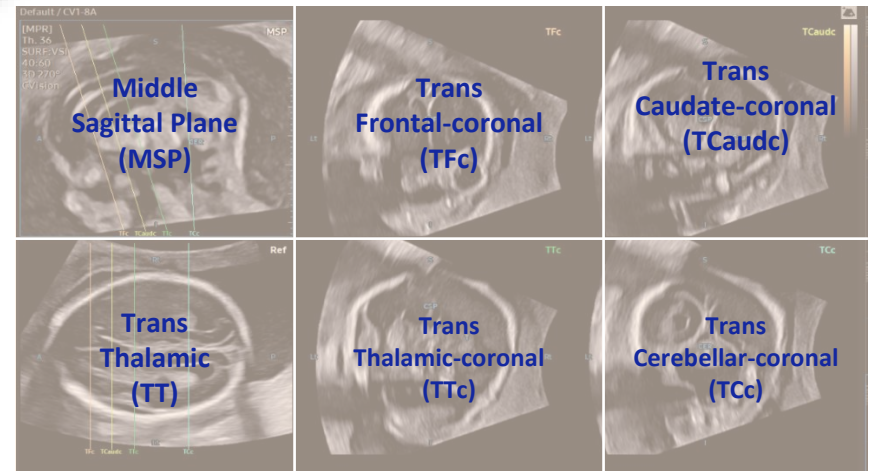
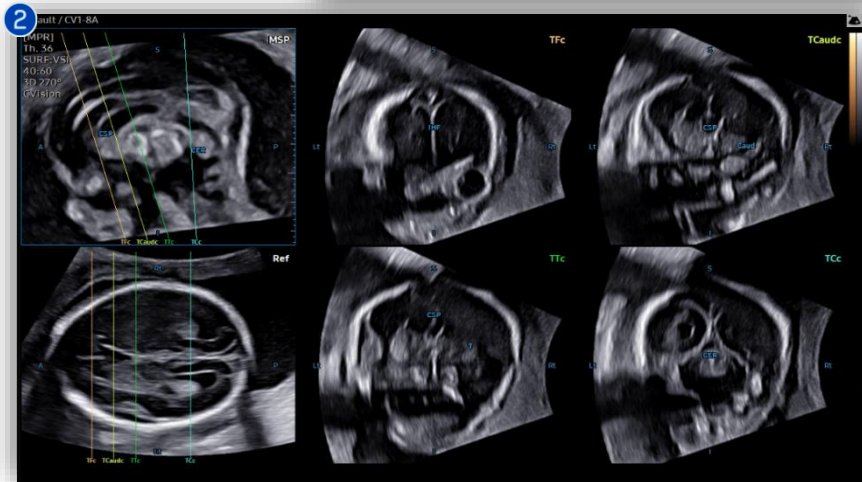


1 Coronal

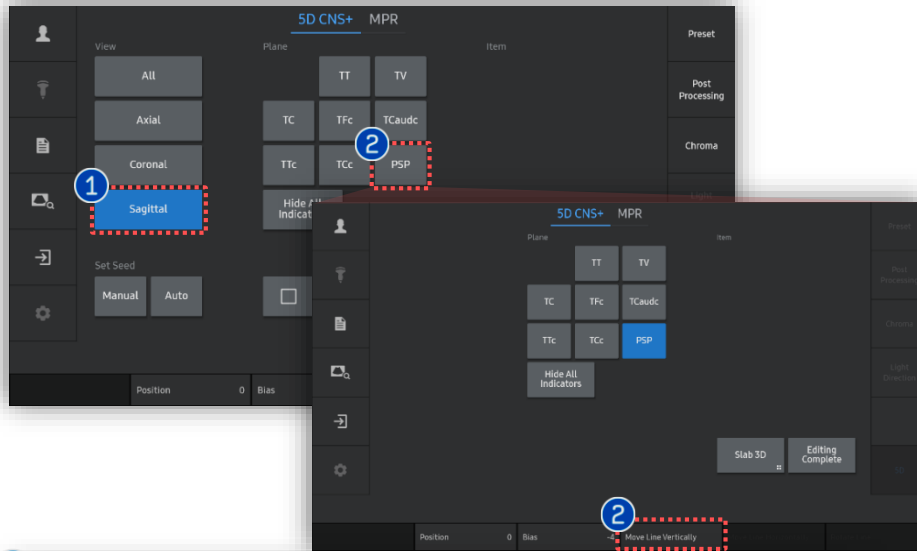
Select Coronal to review 4 Coronal views include TFc, TCaudc, TTc and TCc

2 Move Line Horizontally

Select the plane and if needed, edit plane by using knob buttons



10. Result View (Sagittal)

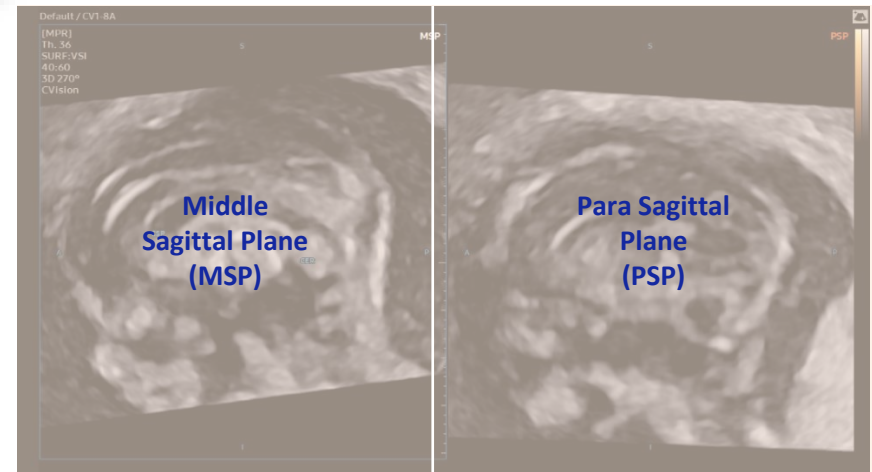


1 Sagittal

Select Sagittal to review the Para Sagittal Plane(PSP).

2 Move Line Vertically

Select the plane and if needed, edit plane by using knob buttons.



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- Do not distribute this internal document to customers unless relevant regulatory and legal affairs officers approve such distribution.
- This product is a medical device, please read the user manual carefully before use.
- This document is provided to help you understand the feature.
- This User Quick Guide is based on HERA W10 V1.03.03d
- Disclaimer: Some Images in this content were obtained from other system.

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