

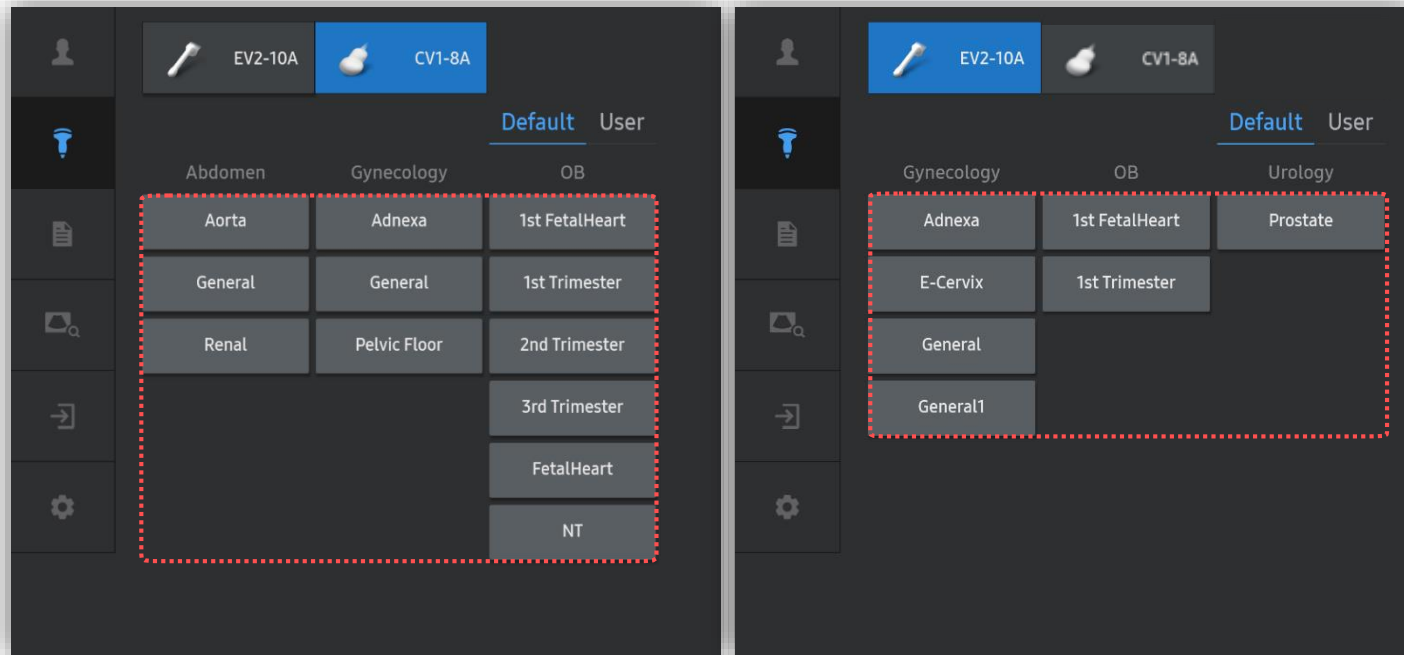
5D-CNS™ *with AI*

HERA W10 Quick Guide



5D-CNS™ with AI

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. Volume acquisition



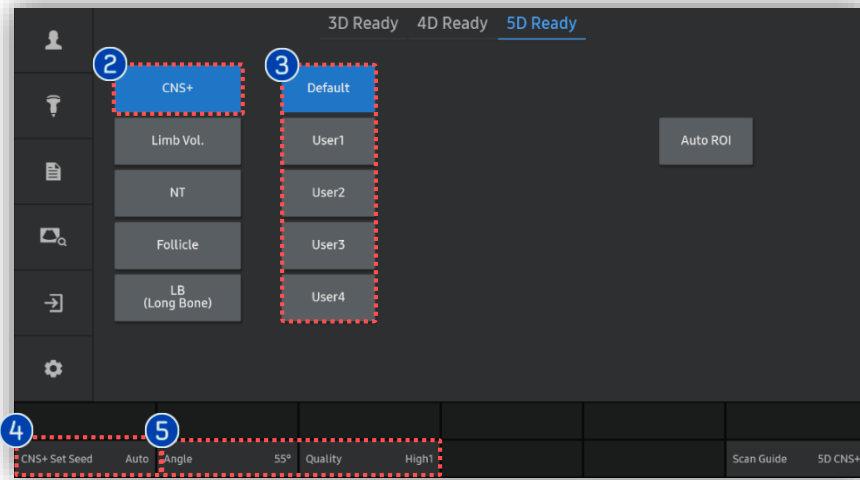
① Volume acquisition

No scan restriction. The recommended acquisition plane is the axial plane. (close to TT, TV, TC)

② GA Range

20 - 32 weeks

3. Activate 5D CNS+™ with AI by 5D Button



Press [5D] button on the control panel.

1 5D Button



2 CNS+

Tap [CNS+] to activate 5D CNS+.

3 Preset

Select preferred preset between default and users. Each 5D feature could have own preset parameters.

4 CNS+ Set Seed

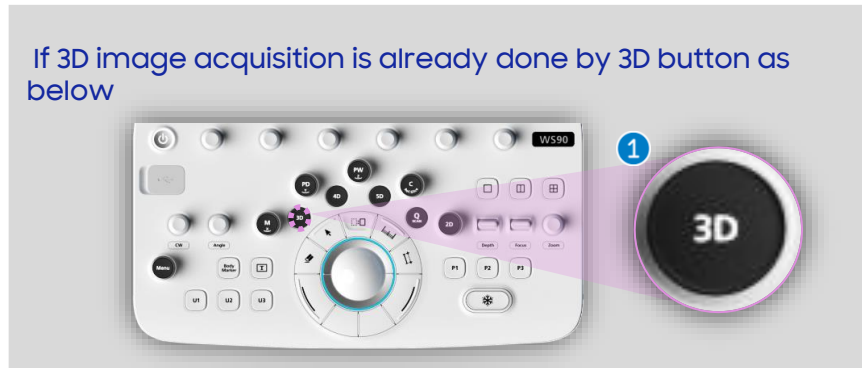
Select 'Auto' for AI method or 'Manual' for conventional method.

5 Parameters

3D [Scan Angle] and [Scan Quality] are customizable.

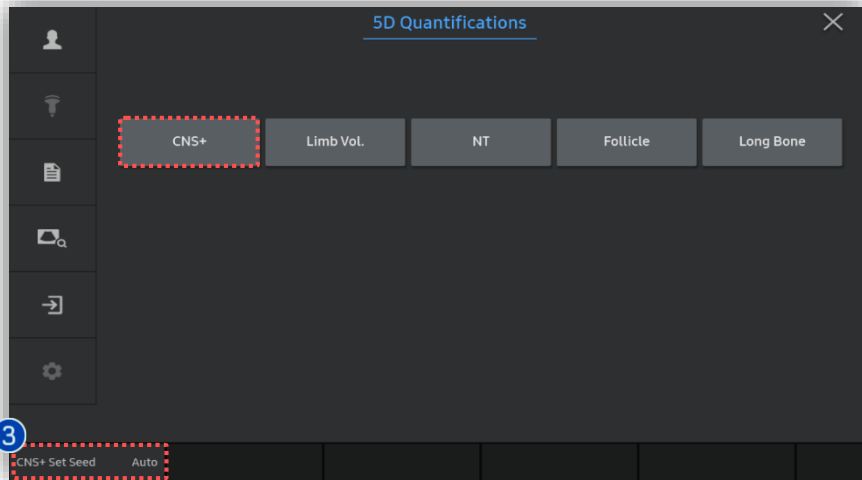
5D-CNS™ with AI

3. Activate 5D CNS+™ with AI by 5D Quantifications

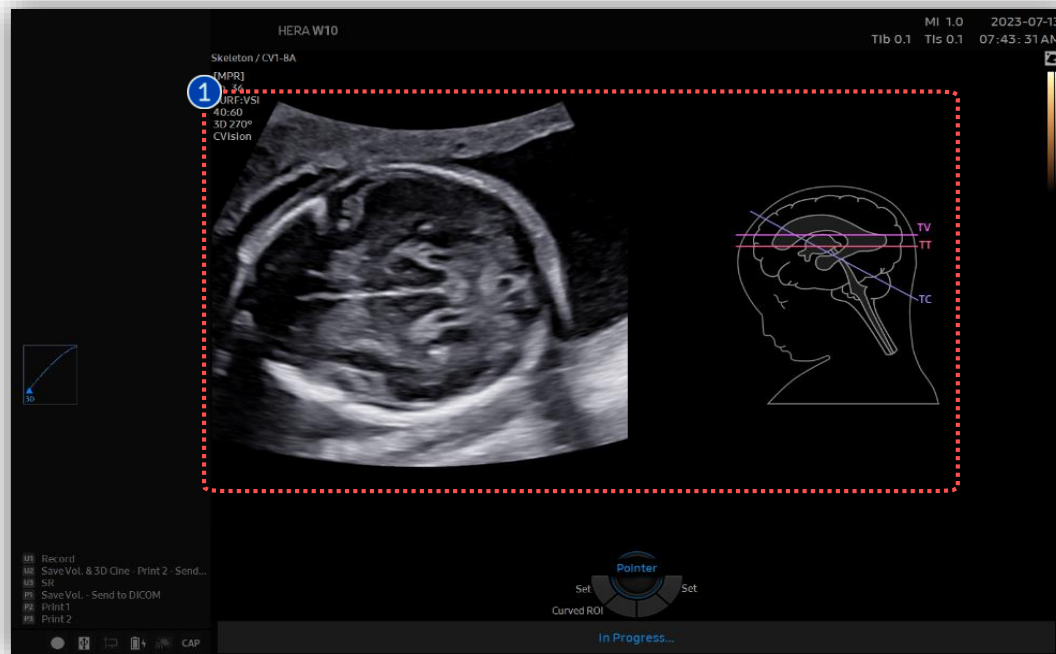


2 5D
Tab to activate [5D] features and select [CNS+].

3 CNS+ Set Seed
Select 'Auto' for AI method or 'Manual' for conventional method.



5. Automatically analyzed



7 Landmarks

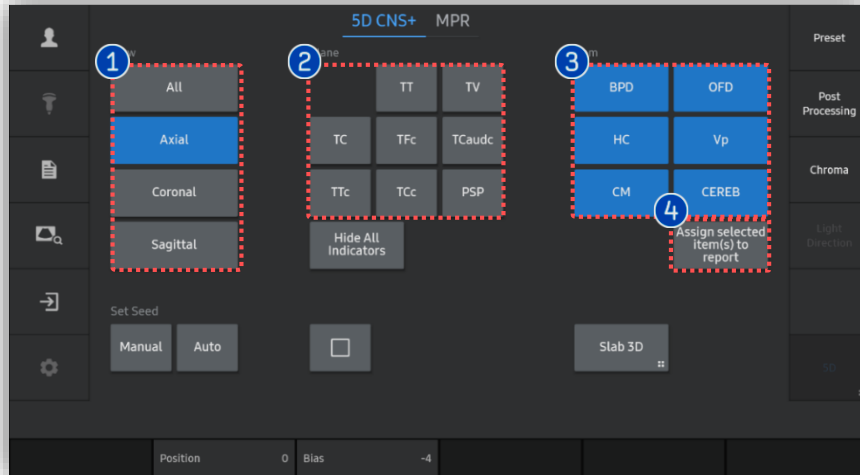
- *CSP* : Cavum septum pellucidum
- *CER* : Cerebellum
- *T* : Thalamus
- *CP* : Choroid Plexuses
- *LV* : Lateral ventricle
- *IHF* : Interhemispheric fissure
- *Caud* : Caudate nucleus

1 No Seed Point

Automatically analyze the volume acquisition with 7 landmarks .

5D-CNS™ with AI

6. 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.

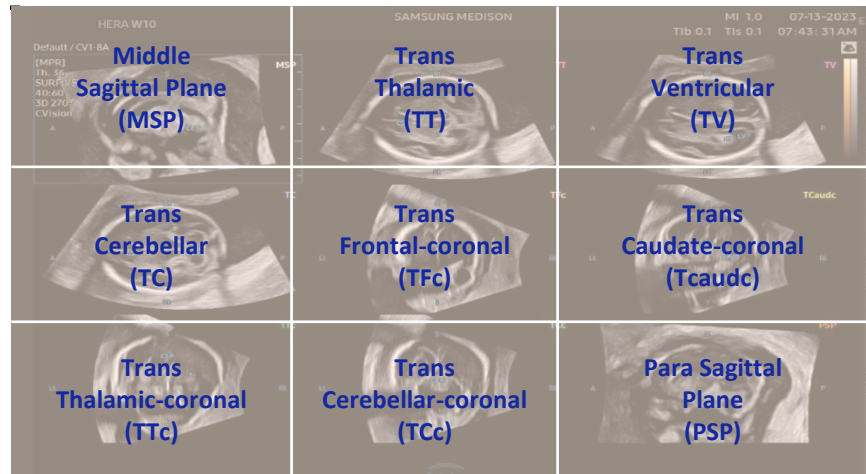
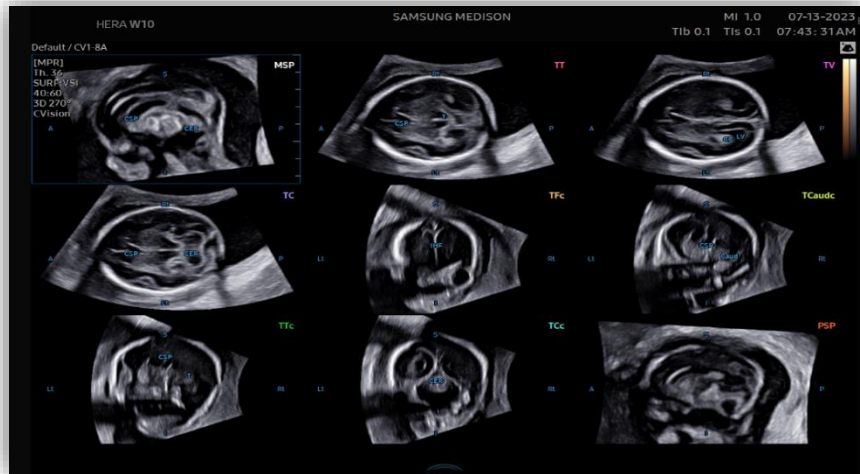
5D-CNS™ with AI

7. Result View (All)



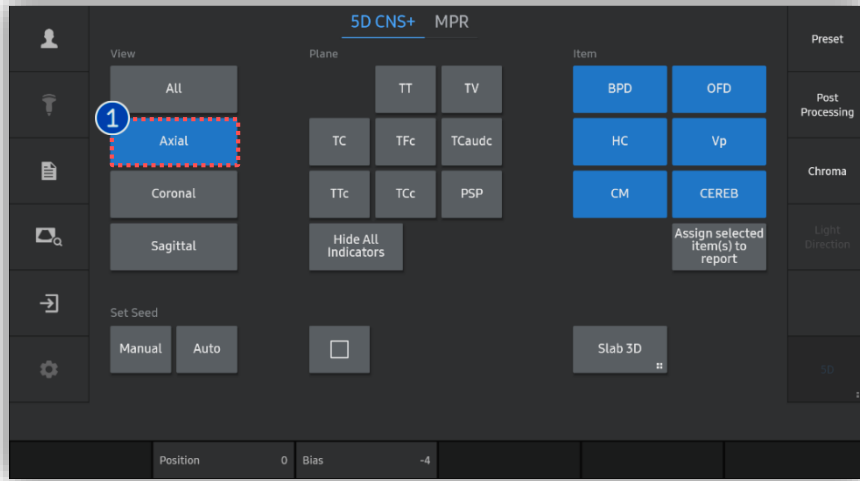
1 All

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

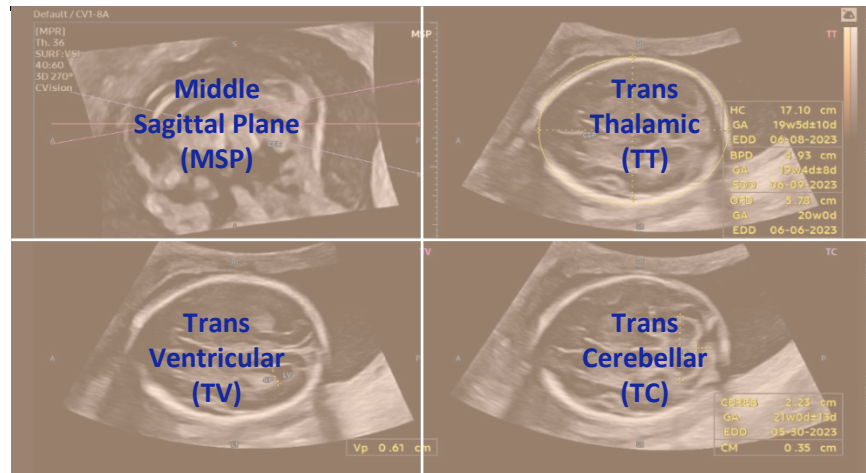
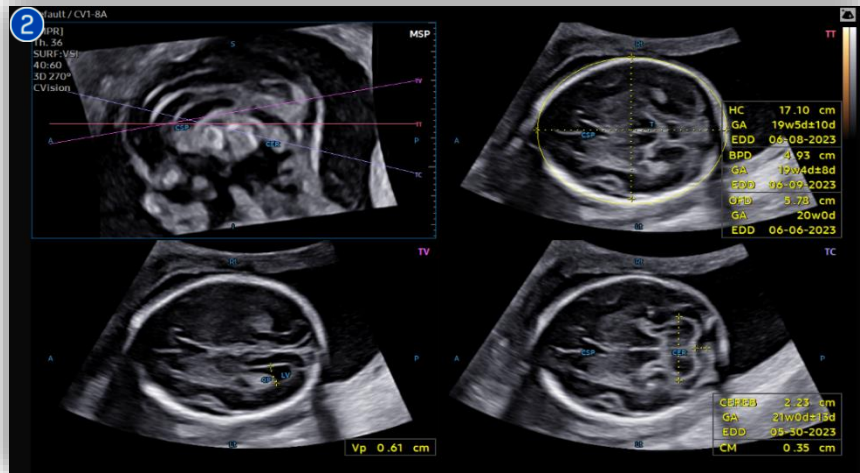


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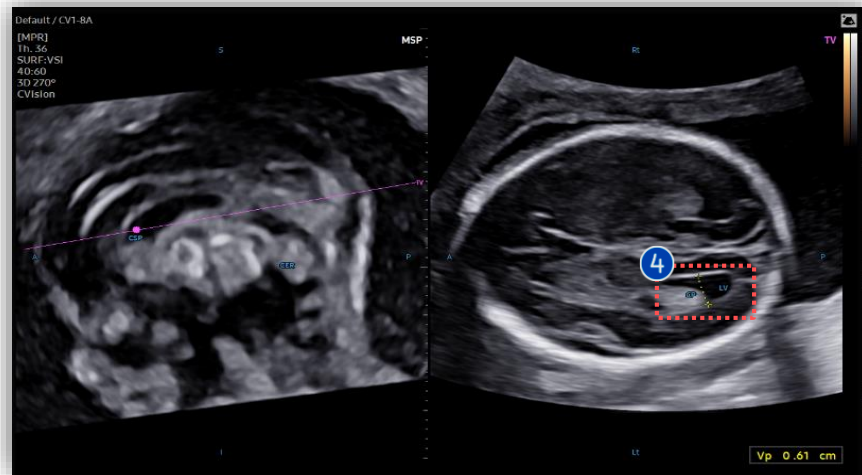
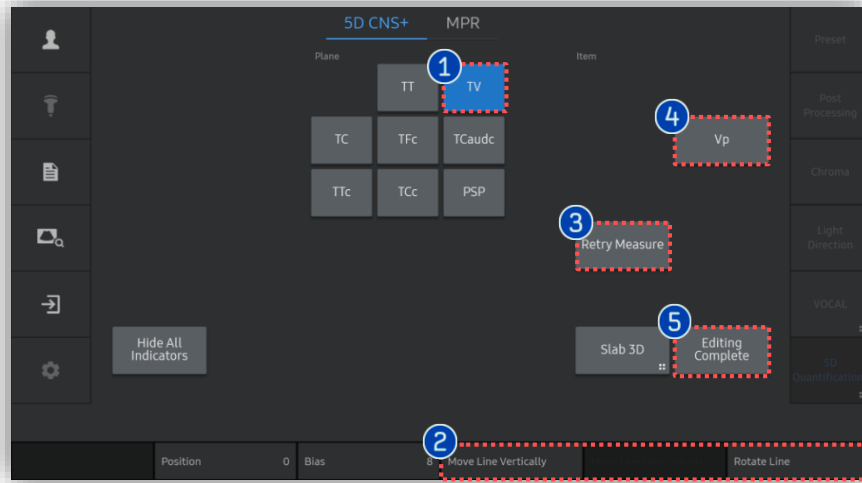
8. Result View (Axial)



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



9. Result View (Axial-Retry Measure)



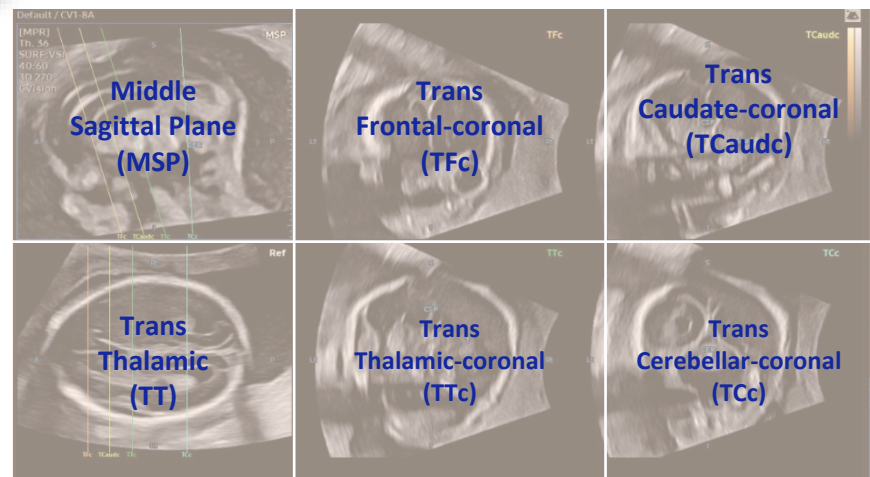
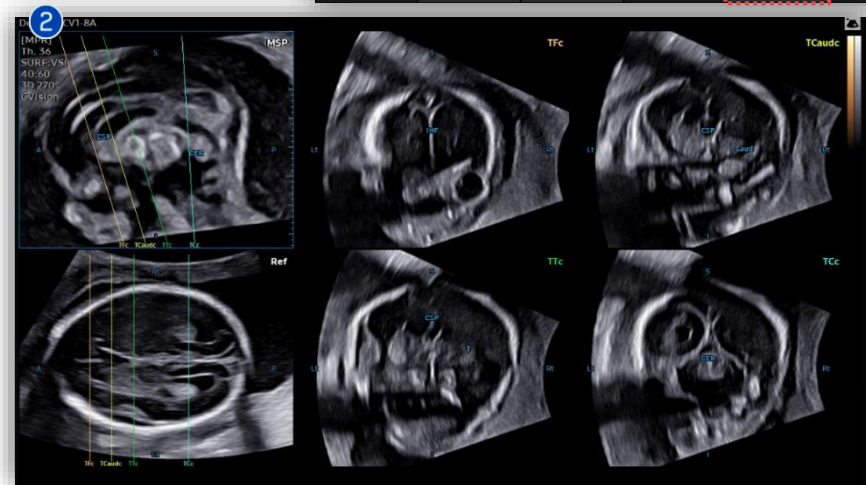
In case of re-measurement,

- | | |
|---|---|
| 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. |

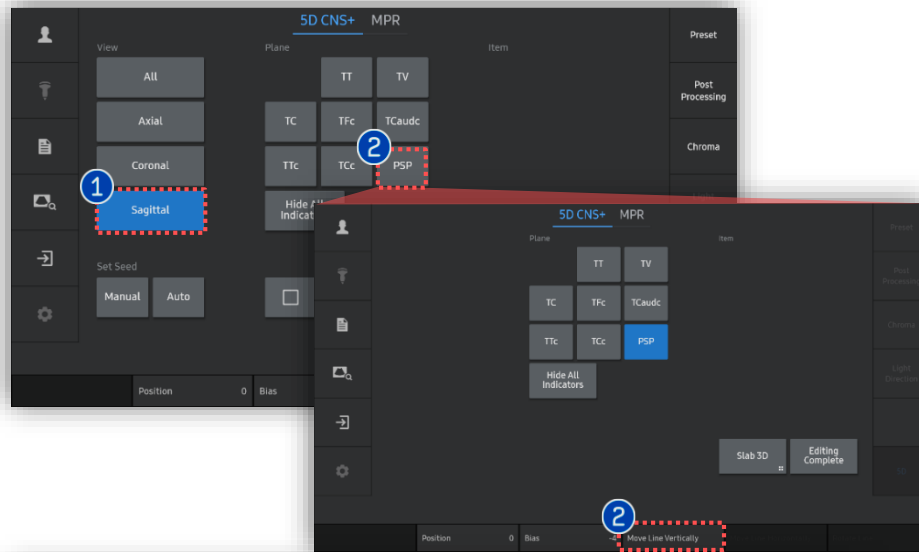
10. Result View (Coronal)



- | | |
|---------------------------------|--|
| <p>1 Coronal</p> | <p>Select Coronal to review 4 Coronal views include TFc, TCaudc, TTc and TCc</p> |
| <p>2 Move Line Horizontally</p> | <p>Select the plane and if needed, edit plane by using knob buttons</p> |



11. Result View (Sagittal)

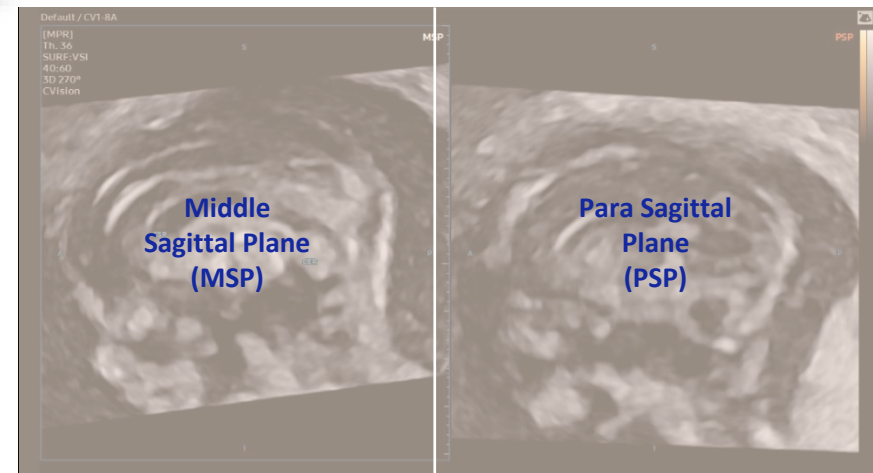
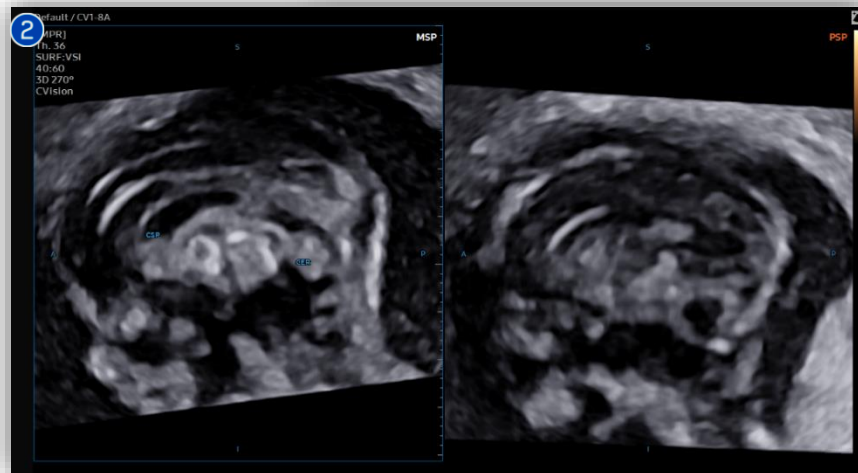


1 Sagittal

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.



- 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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