

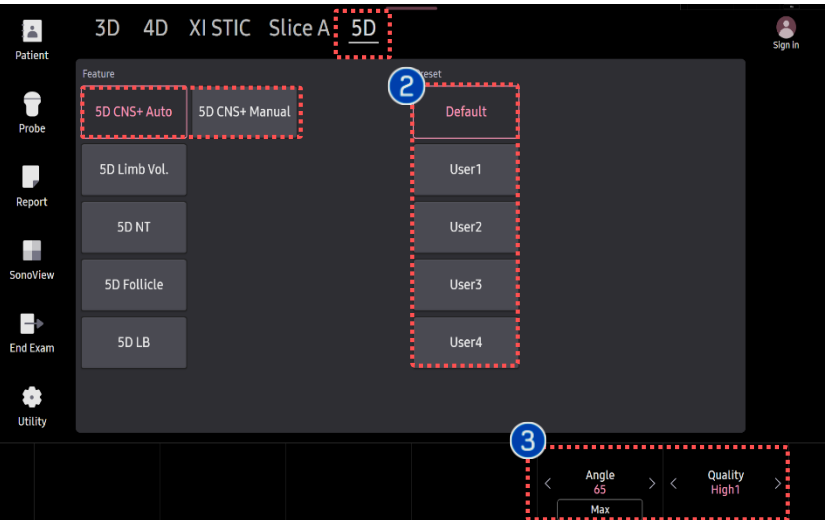
5D CNS+™ *with AI*

HERA Z20 Quick Guide

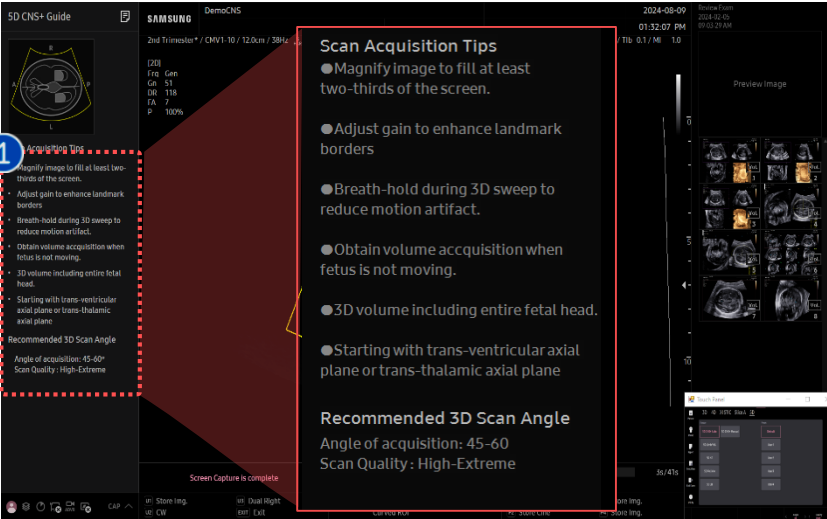


5D CNS+™

1. Activate 5D CNS+™ (Before 3D Acquisition)



<p>1 Scan Acquisition Tips</p>	<p>Before 3D acquisition, refer to the '5D CNS+ Guide' on the left top.</p> <p>* Scan Acquisition Tips</p> <ul style="list-style-type: none"> • Magnify image to fill at least two-thirds of the screen. • Adjust gain to enhance landmark borders • Breath - hold during 3D sweep to reduce motion artifact. • Obtain volume acquisition when fetus is not moving • 3D volume including entire fetal head. • Starting with trans- ventricular plane • Recommended 3d scan angle • Angle of acquisition : 45-60 • Scan quality : High- extreme
<p>2 Preset</p>	<p>Select preferred preset between default and users. Each 5D feature could have own preset parameters.</p>
<p>3 Parameters</p>	<p>3D [Angle] and [Quality] are customizable.</p>



★ Tips

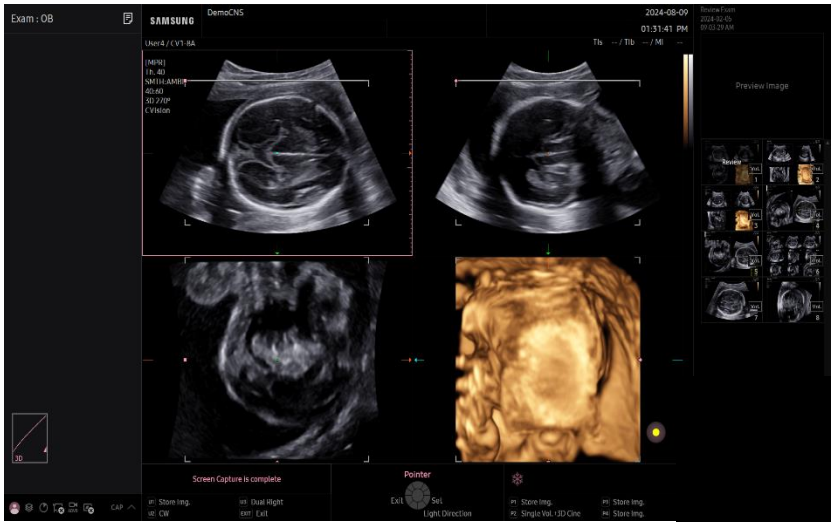
❖ How to activate the 5D Features?

Press the 3D or 4D Button on the Control panel.

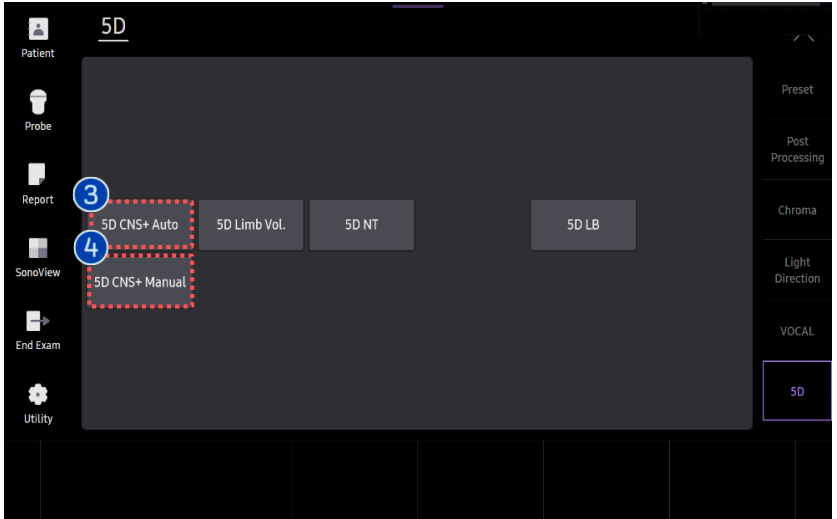
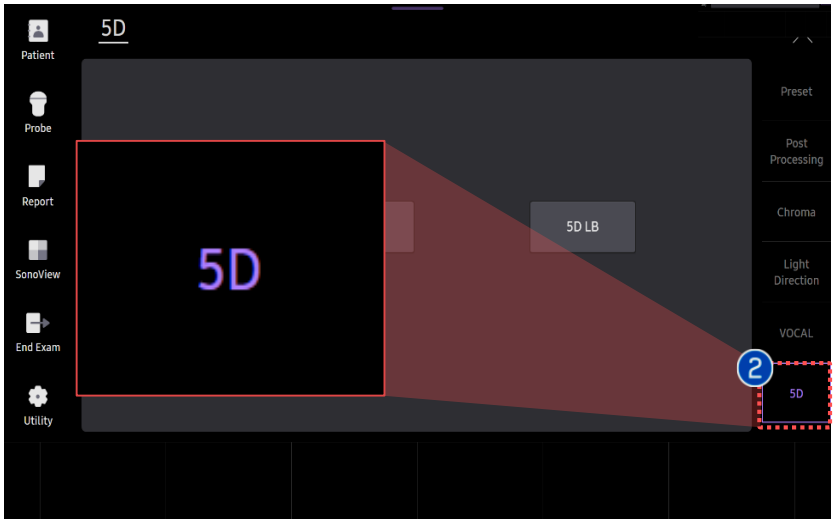
And then, click the '5D Ready' tab on the touch screen.

5D CNS+™

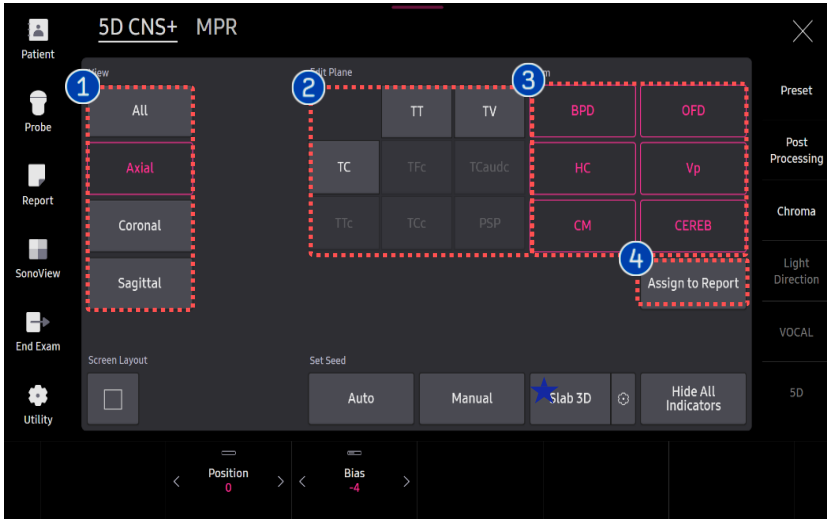
2. Activate 5D CNS+™ (After 3D Acquisition)



1 Image acquisition	Find true trans-ventricular axial plane or trans-thalamic axial plane before volume acquisition.
2 5D	Tap [5D] to activate 5D Features.
3 5D CNS+ Auto	Tap [CNS+ Auto] to activate automatically.
4 5D CNS+ Manual	Tap [CNS+ Manual] to activate semi-automatically. (2 Seed-Point type) <i>* About this manual method is on page 10</i>



3. 5D CNS+™ Touch Screen



After positioning seed point, 9-view will be automatically displayed.

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.

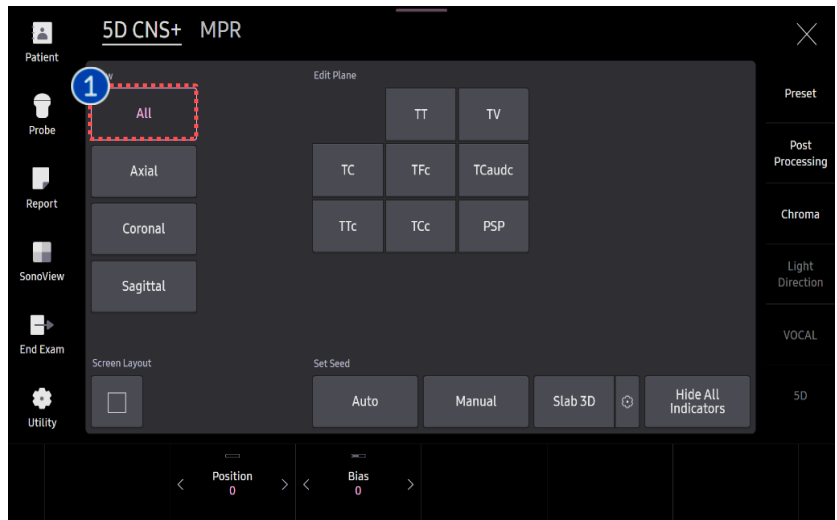


★ Tips

- ❖ 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.

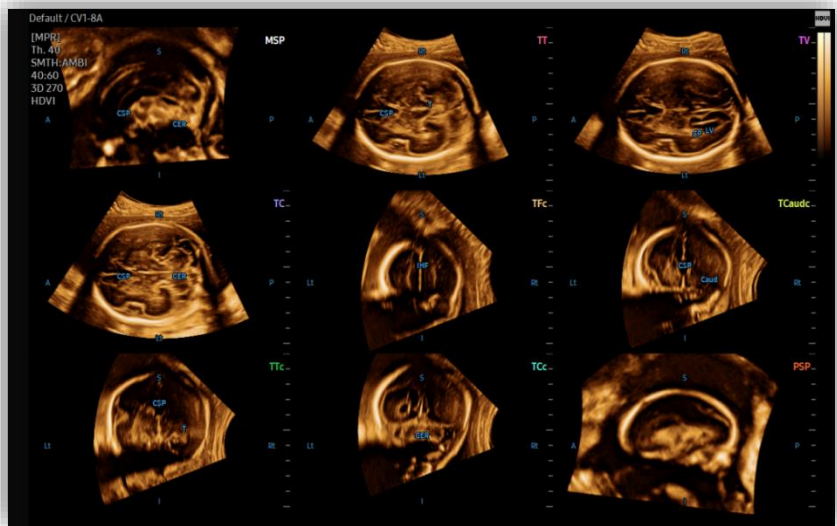
5D CNS+™

4. Result View (All)



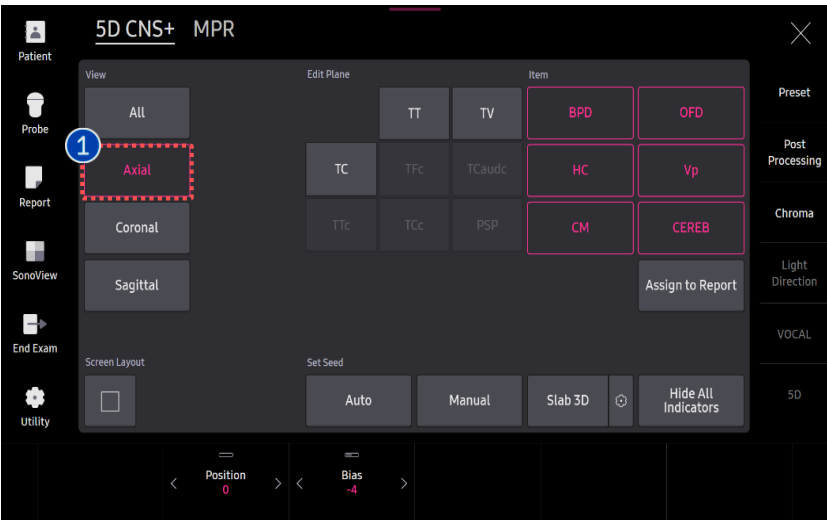
① All

After placing 1st and 2nd seed point on the image, 5D CNS+ provides 9 planes for fetal head diagnosis, as well as anatomical indicator will be displayed.



5D CNS+™

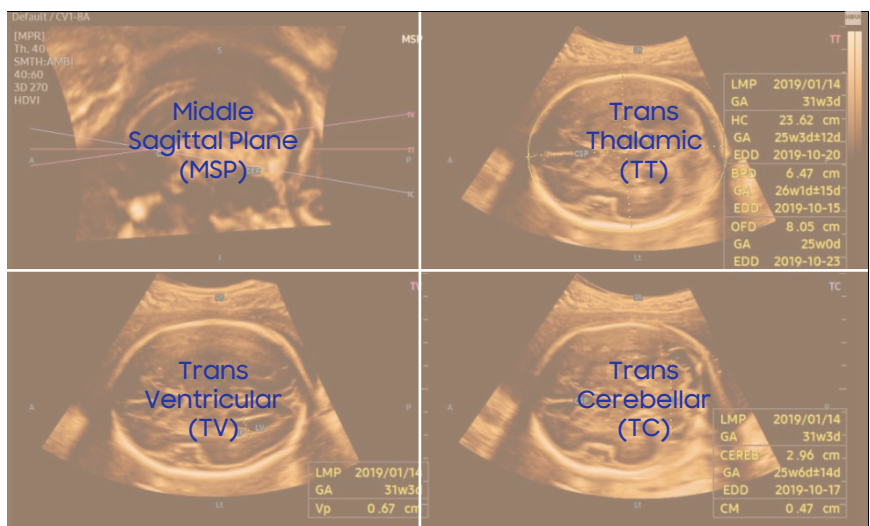
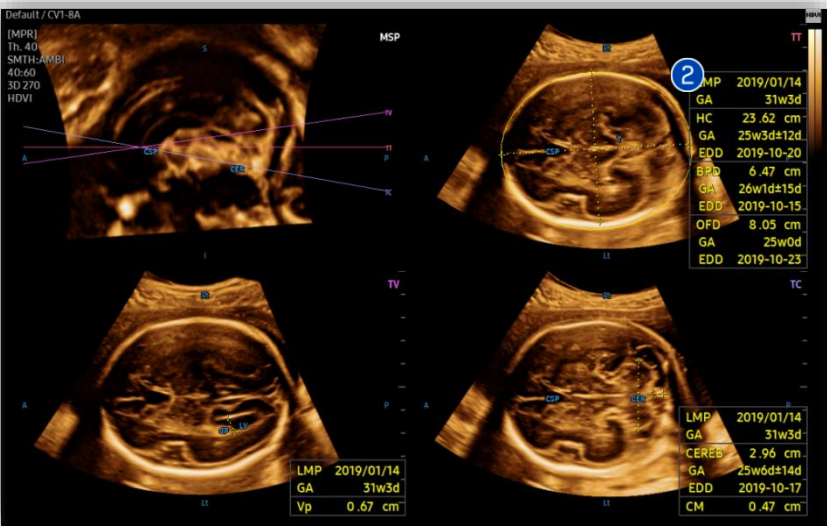
5. Result View (Axial)



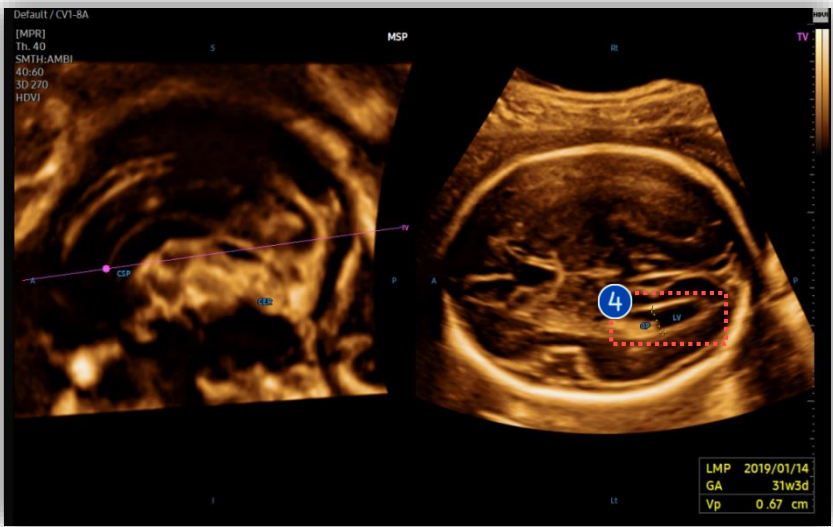
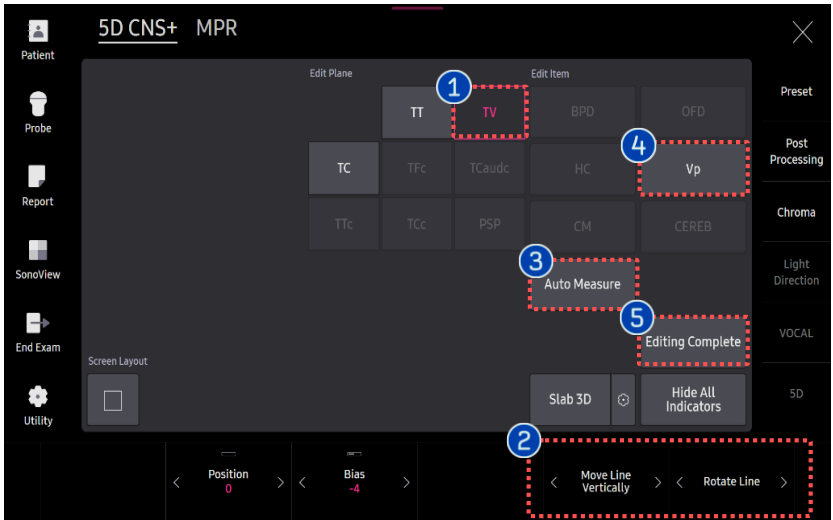
- 1 Axial**

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.



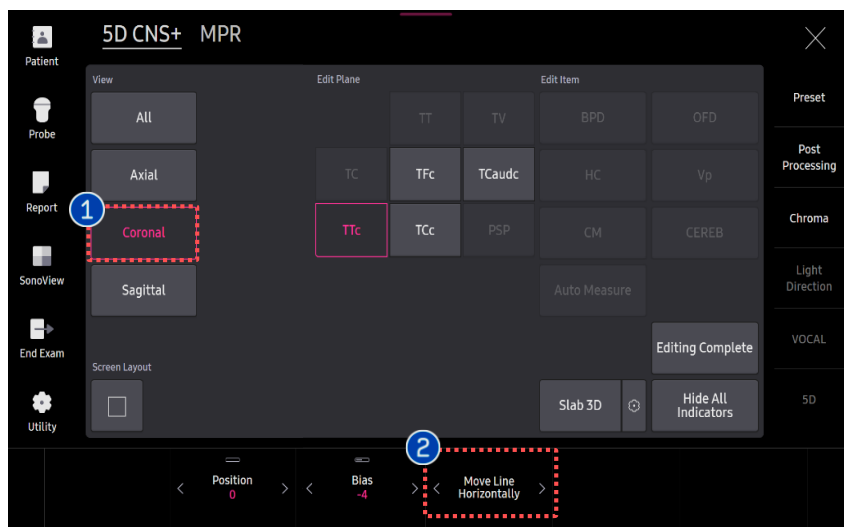
6. Result View (Axial-Retry Measure)



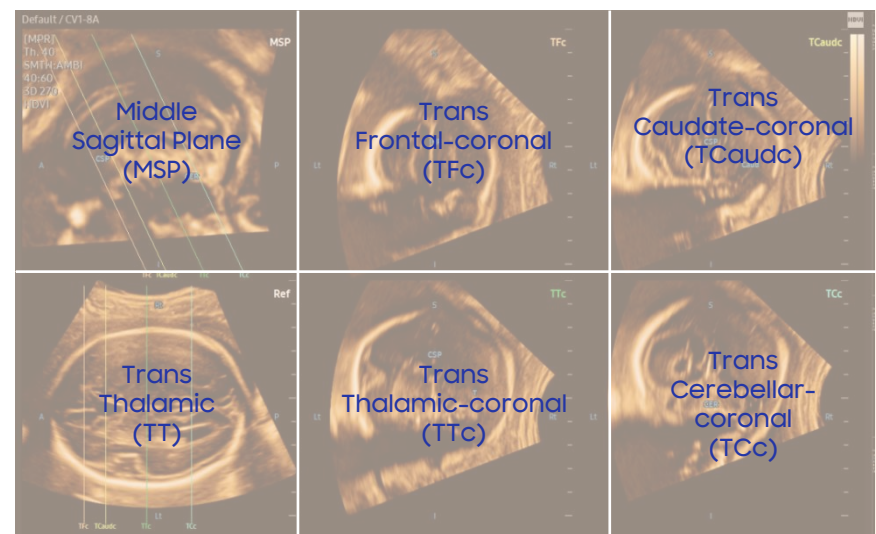
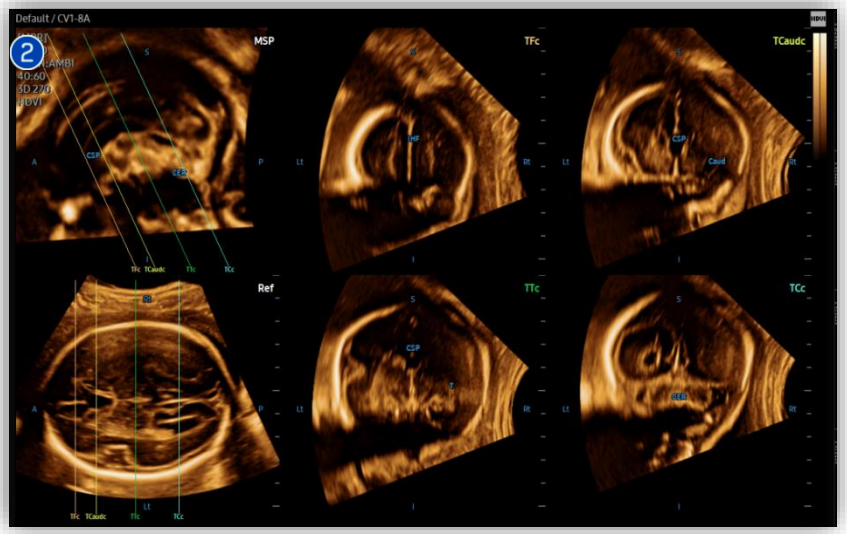
In case of re-measurement,	
1 Plane	Tap proper plane among [TT], [TV] or [TC] that has measurement data.
2 Move Line Vertically, Rotate Line	If needed, edit plane by using knob buttons.
3 Retry Measure	Auto measure again on selected plane.
4 Item	Edit assigned item manually.
5 Editing Complete	Once the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

5D CNS+™

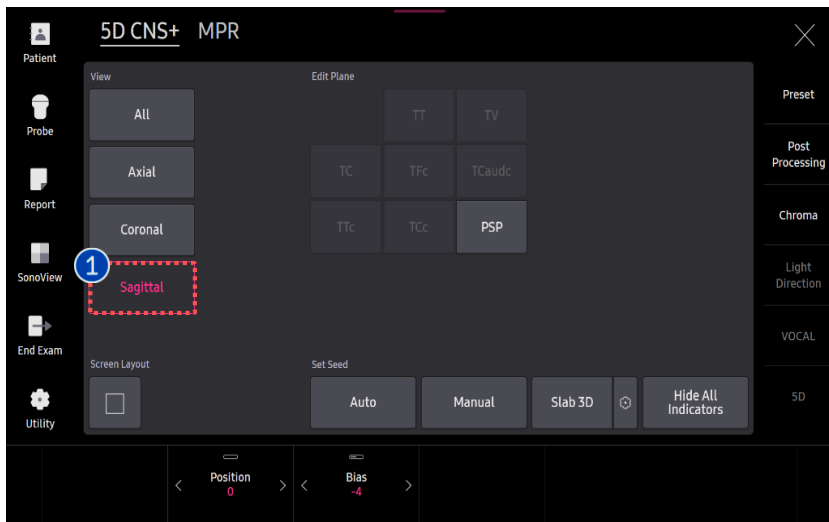
7. Result View (Coronal)



- 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.

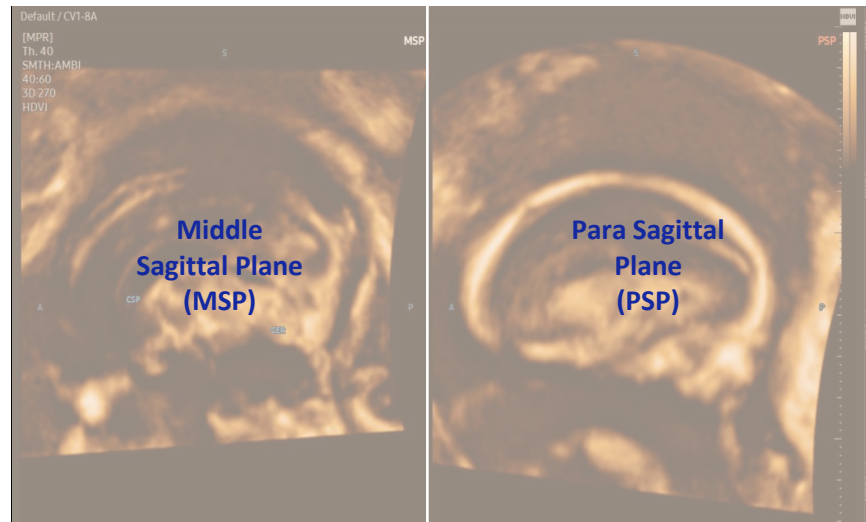
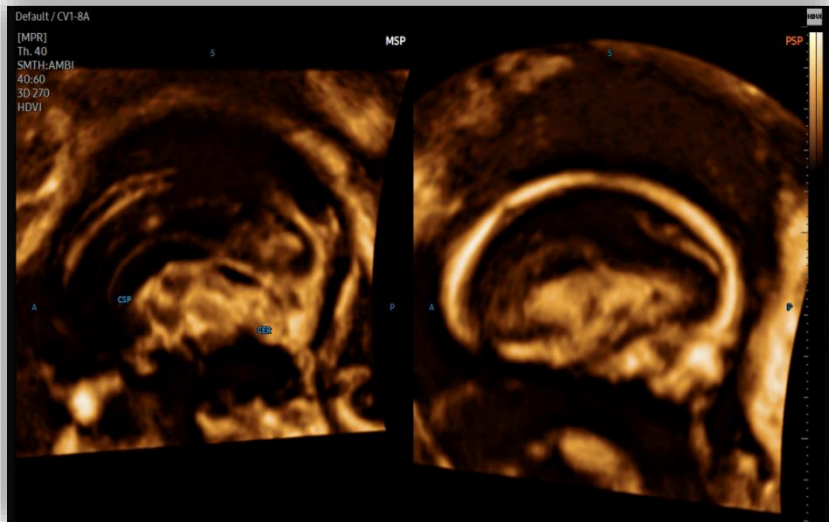


8. Result View (Sagittal)



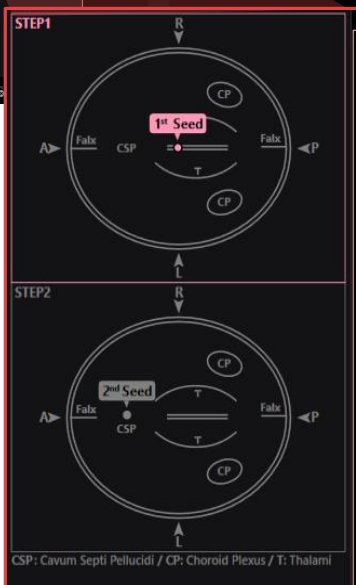
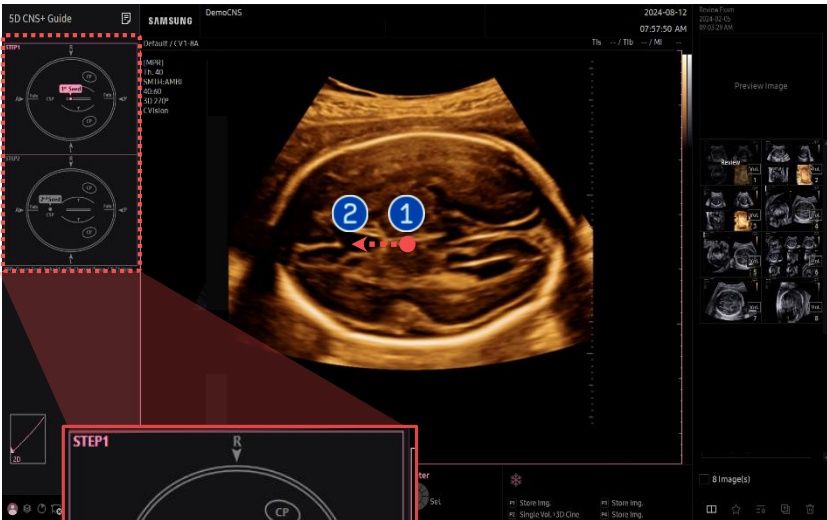
1 Sagittal

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



5D CNS+™

9. [Manual] Set 1st and 2nd Seed Point



- | | |
|------------------------------|--|
| <p>1 1st Seed</p> | <p>Set the 1st seed point on Center or Middle of thalami and drag it toward frontal side.</p> |
| <p>2 2nd Seed</p> | <p>Set the 2nd seed point on CSP (Cavum Septum Pellucidum).
It must be put on the middle of CSP (anechoic area).

<i>* After this step, Go to the page 5.</i></p> |

- 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 Z20 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 Z20 V1.00.
- Disclaimer: Some Images in this content were obtained from other system.

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