

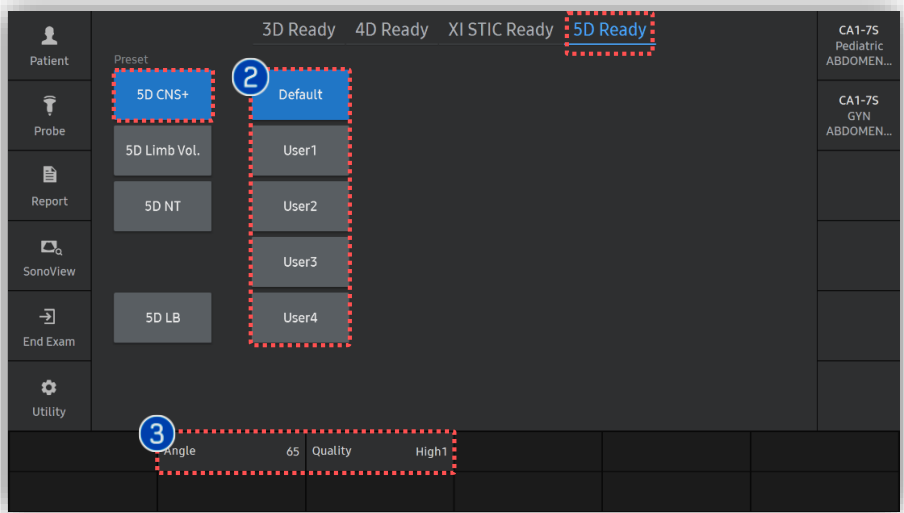
5D CNS+™

V Series Quick Guide



5D CNS+™

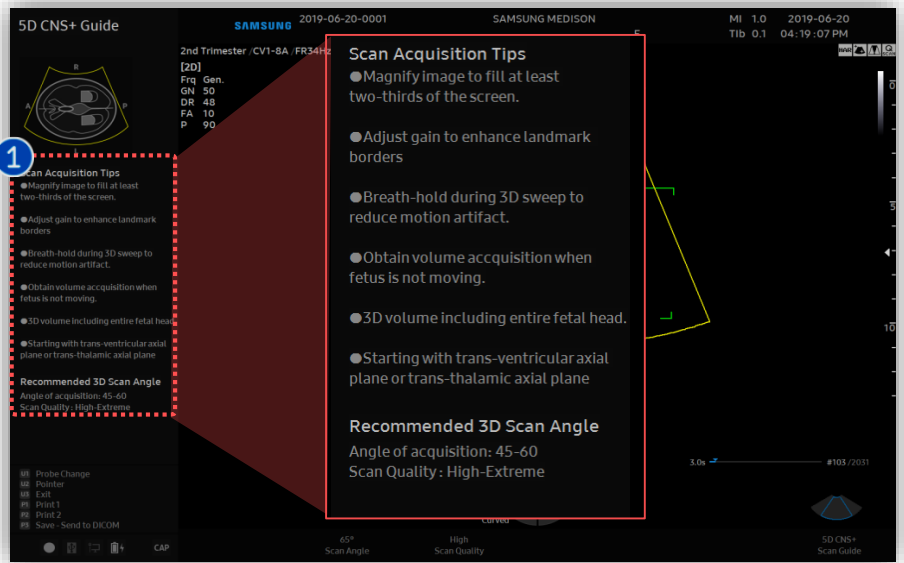
1. Activate 5D CNS+™ (Before 3D Acquisition)



1 Scan Acquisition Tips

Before 3D acquisition, refer to the '5D CNS+ Guide' on the left top.

- ✓ [Scan Acquisition Tips](#)
 - 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



2 Preset

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

3 Parameters

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

- ✓ [Recommended 3D scan angle](#)
 - Angle of acquisition : 45-60
 - Scan quality : High- extreme

★ Tips

❖ **How to activate the 5D Features?**

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

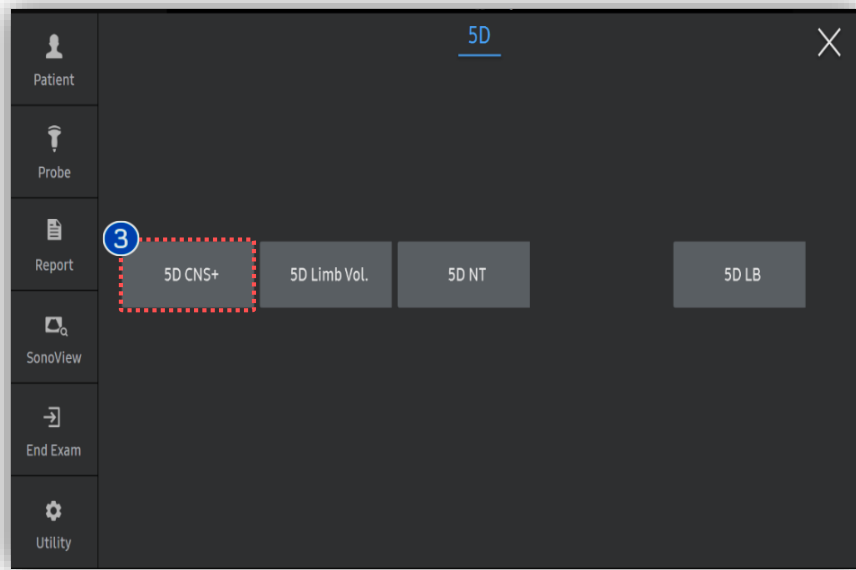
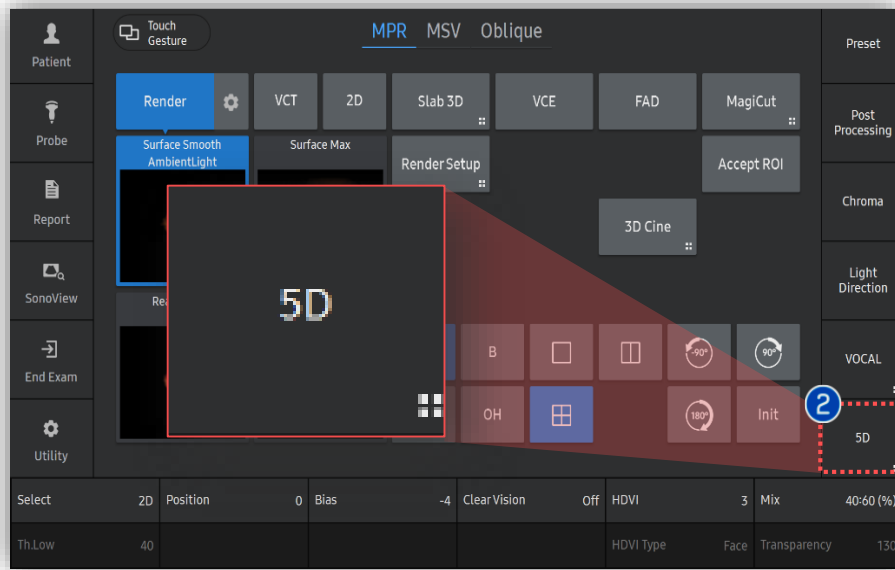
And then, click the '5D Ready' tab on the touch screen.

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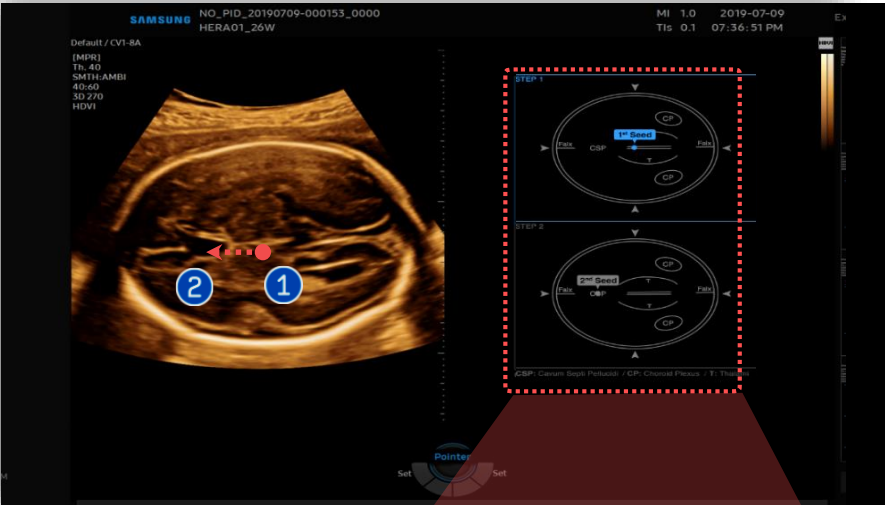
2. Activate 5D CNS+™ (After 3D Acquisition)



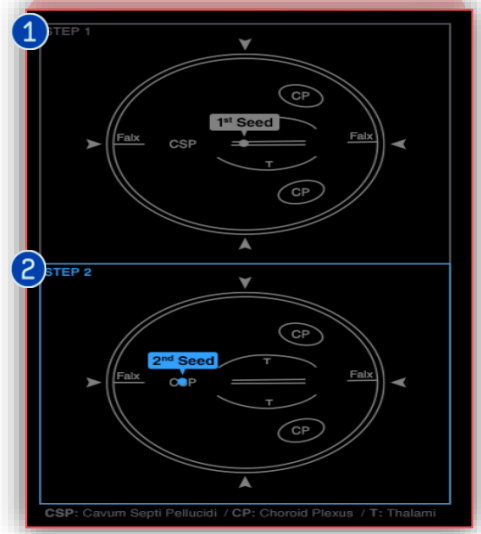
1 Image acquisition	Find true trans-ventricular axial plane or trans-thalamic axial plane before volume acquisition.
2 5D	Tap [5D] to activate 5D Features.
3 5D CNS+	Tap [5D CNS+] to activate the feature.



3. Set 1st and 2nd Seed Point

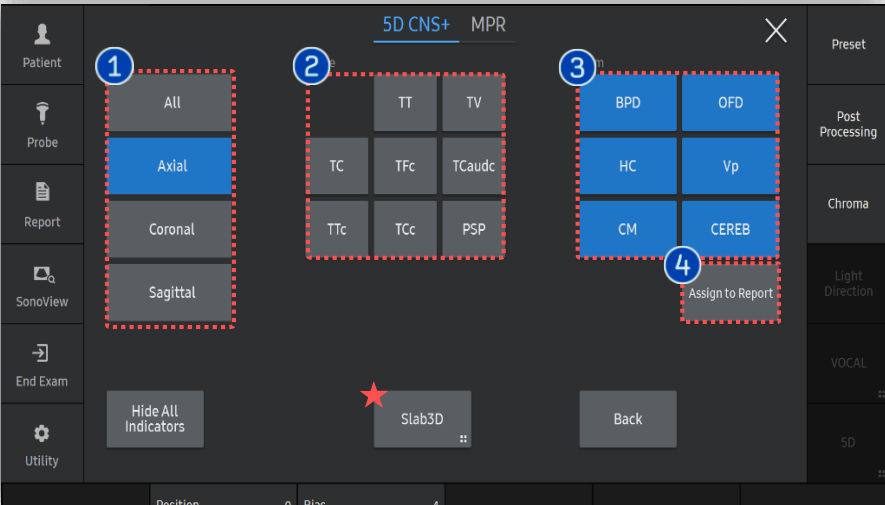


<p>1 1st Seed</p>	<p>Set the 1st seed point on Center or Middle of thalami and drag it toward frontal side.</p>
<p>2 2nd Seed</p>	<p>Set the 2nd seed point on CSP (Cavum Septum Pellucidum). It must be put on the middle of CSP (anechoic area).</p>



5D CNS+™

4. 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. |
| 5 Report | Selected items will be shown on the report. |

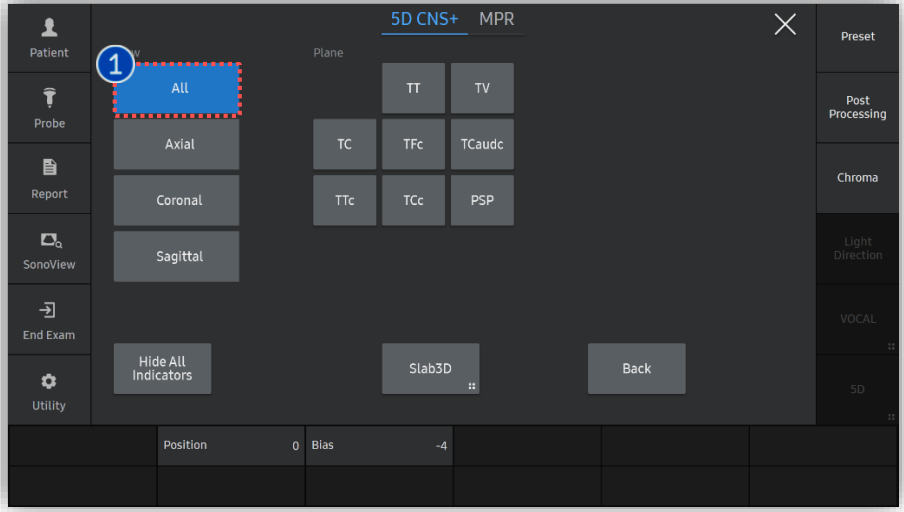
ID	Name		
Date of Birth(Age)	Gender	Exam Date	2023-07-11
Indication			
Diag. Physician	Ref. Physician	Operator	
OB			
LMP	GA	EDD	Gravida Para
Composite GA Average	GA(AUA)	13w5d EDD(AUA)	2024-01-11 Ectopic Aborta
DOC	Ovulation Date		
Fetal Biometry			
	m1	m2	m3
BPD	21.10	21.10	mm Last 12w1d
HC	102.90	102.90	mm Last 14w2d
OFD	37.20	37.20	mm Last 14w5d
Fetal Cranium			
	m1	m2	m3
CEREB	13.10	13.10	mm Last
CM	2.80	2.80	mm Last
Vp	7.90	7.90	mm Last
2D Calculations			
CI(BPD/OFD)	56.7	%	(70 % ~ 86 %)

★ 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.

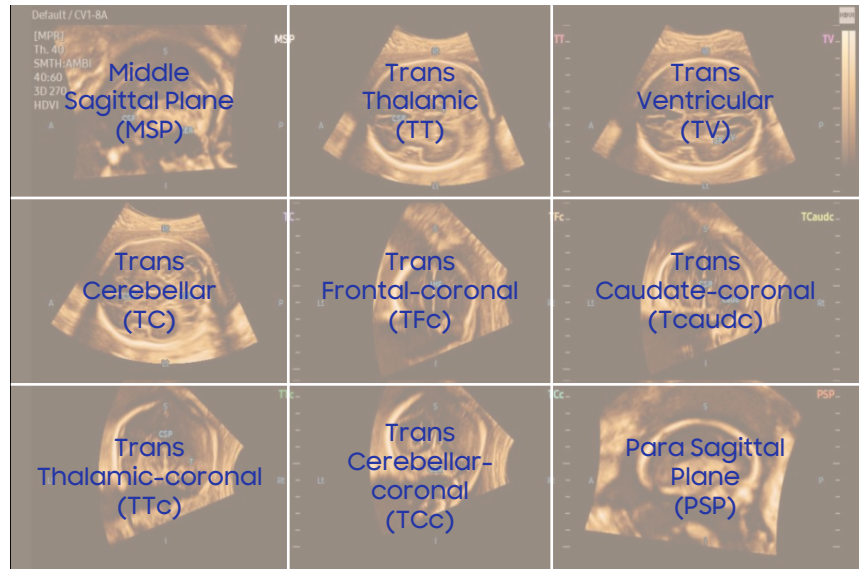
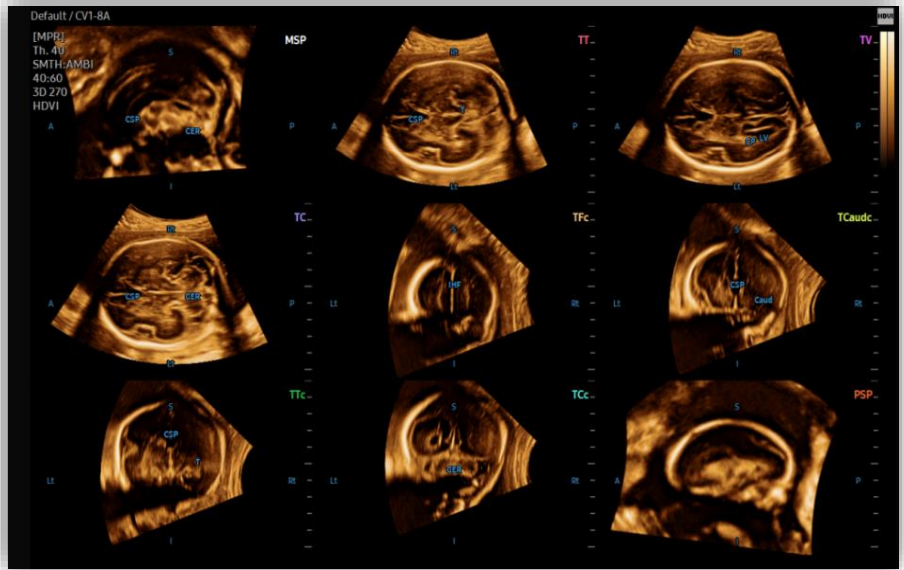
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5. Result View (All)



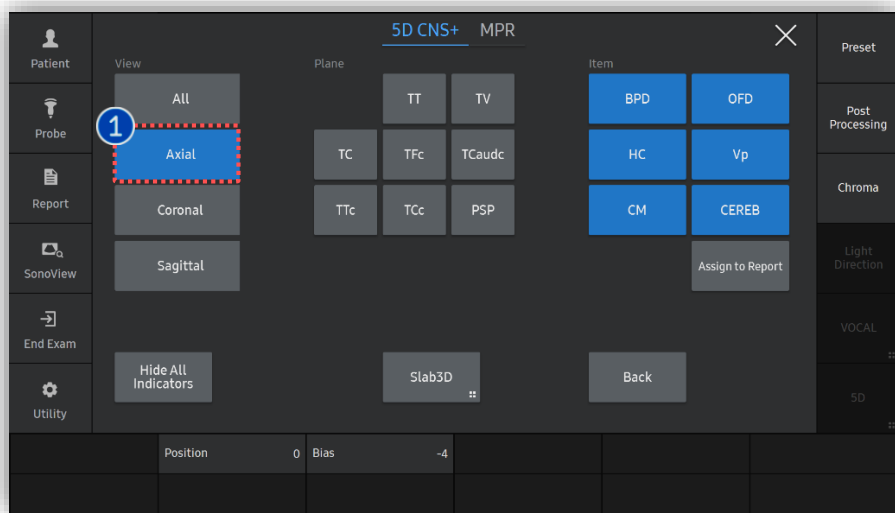
1 All

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.

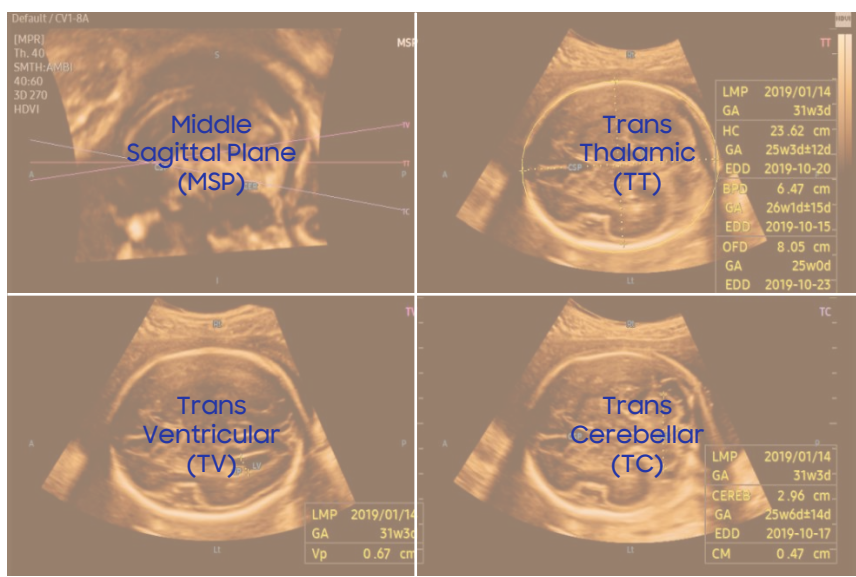
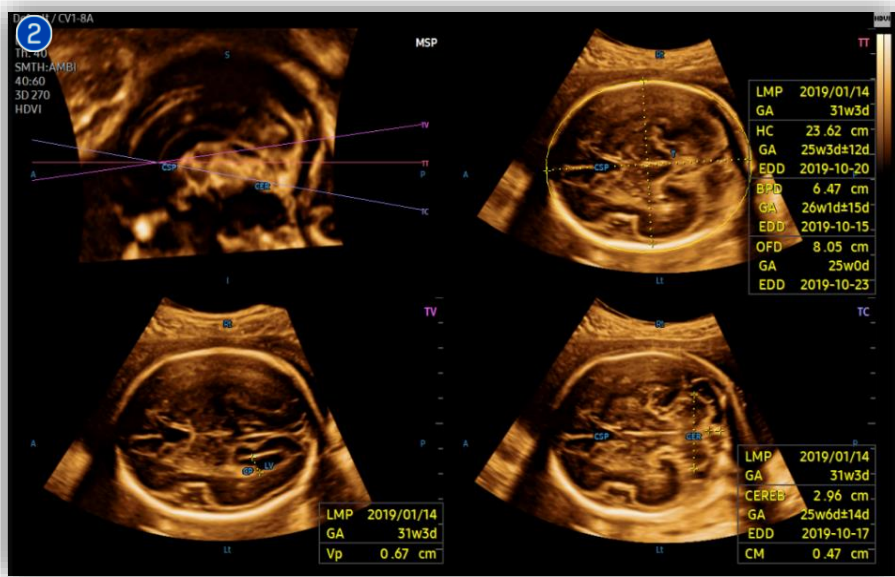


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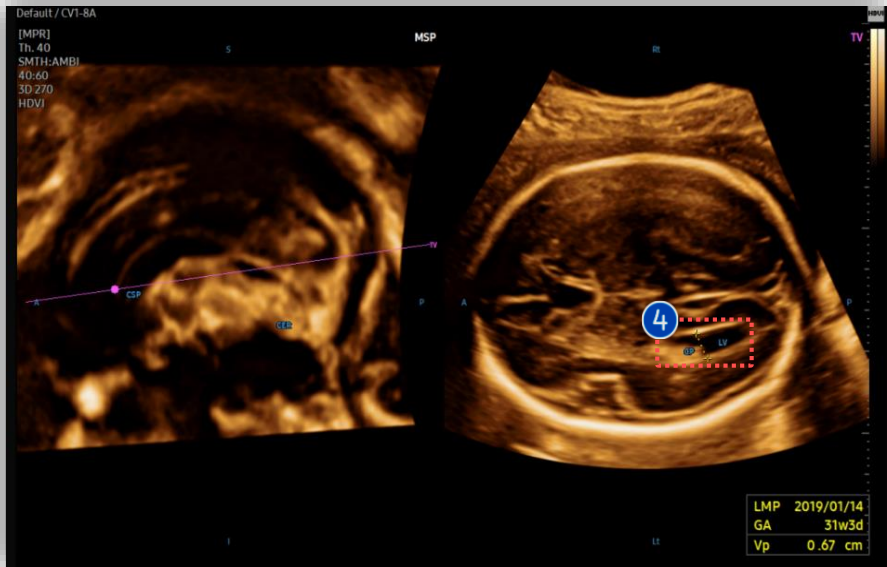
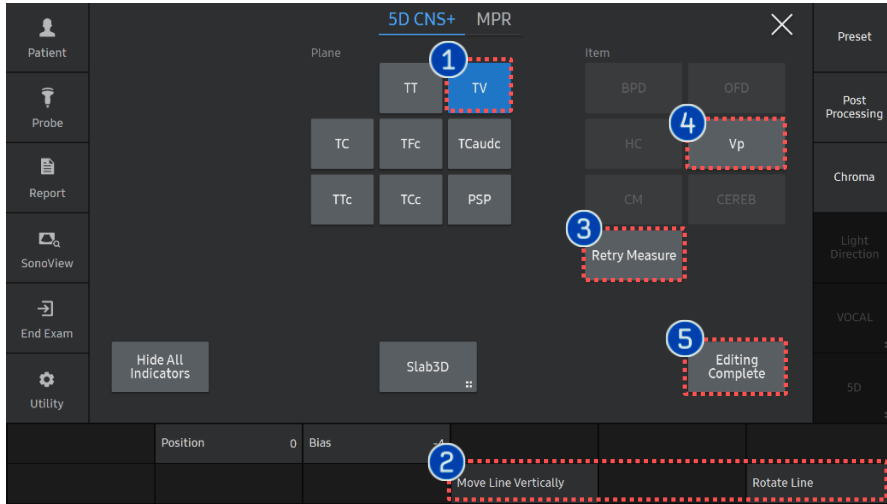
6. Result View (Axial)



- 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.



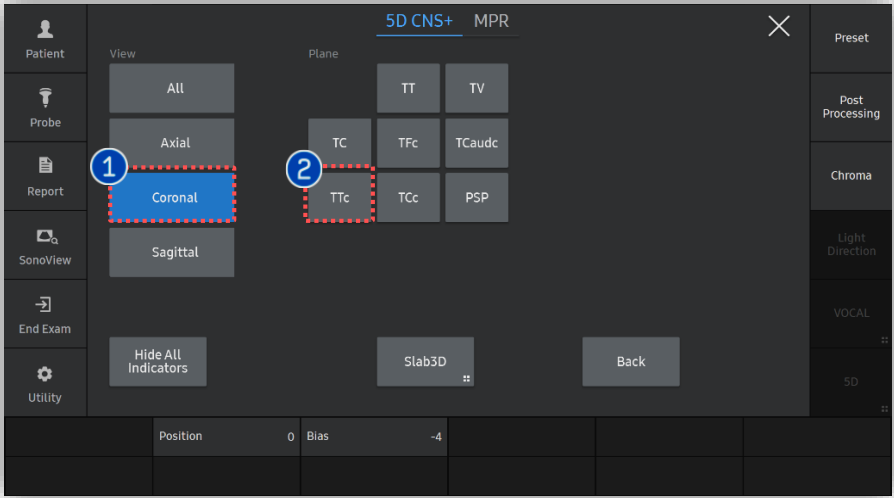
7. Result View (Axial-Retry Measure)



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.

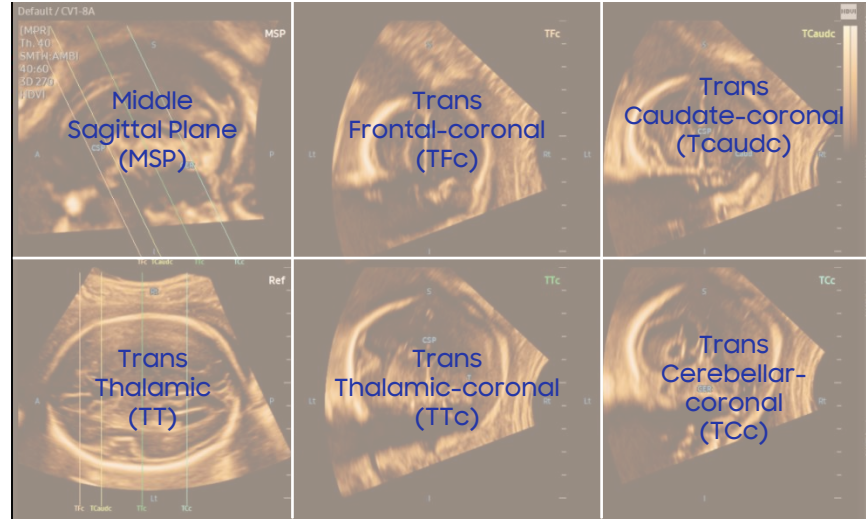
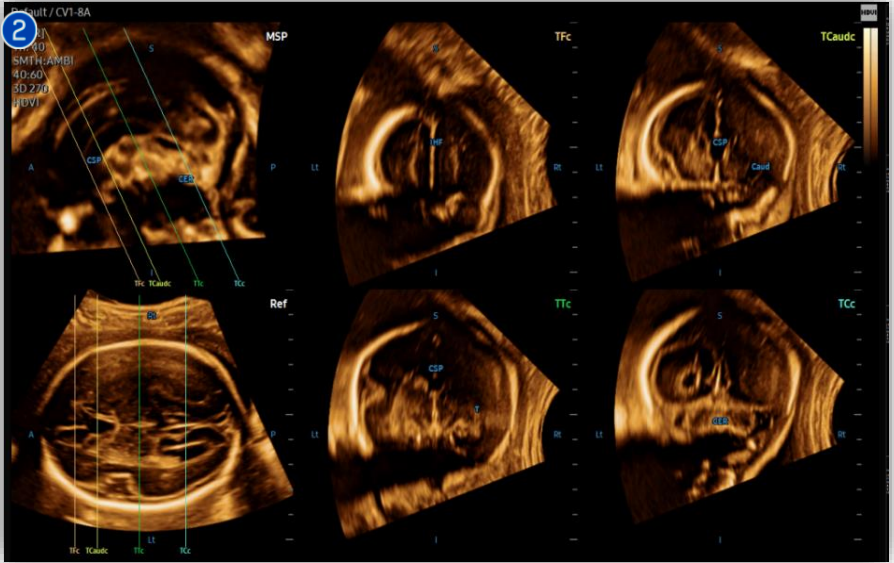
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8. Result View (Coronal)

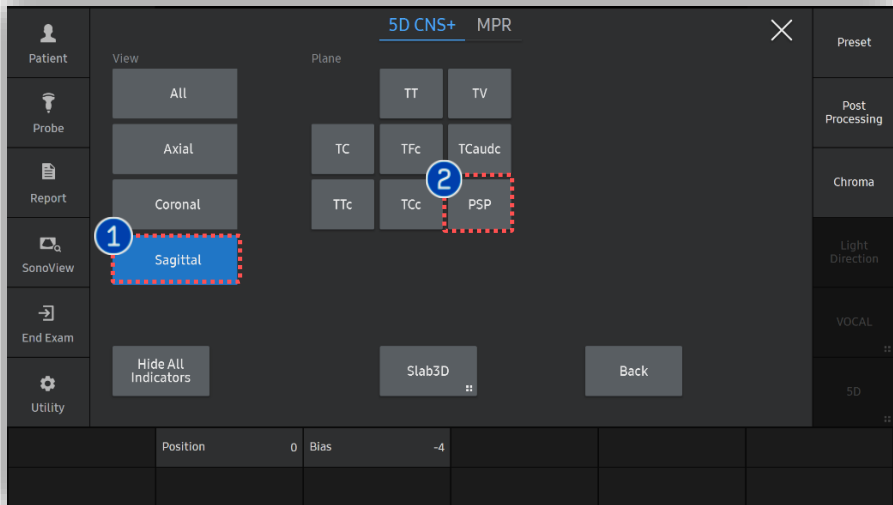


1 Coronal

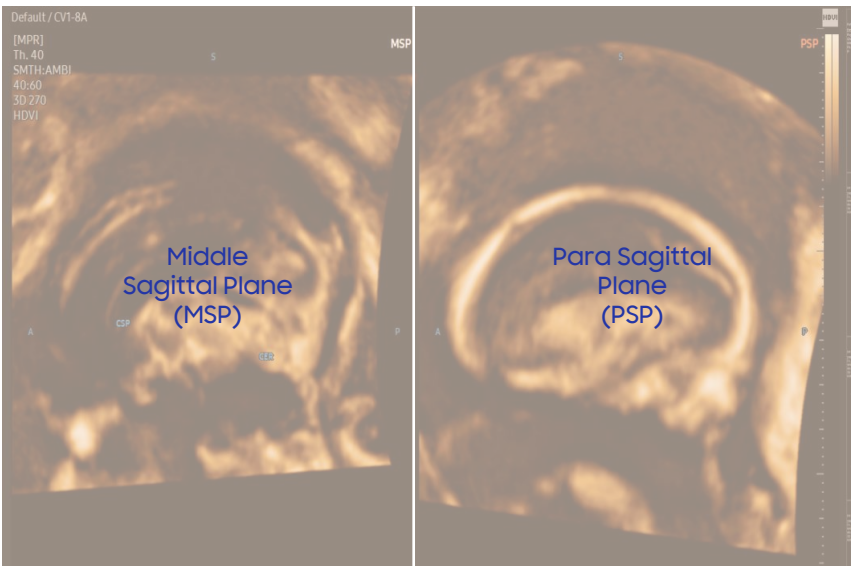
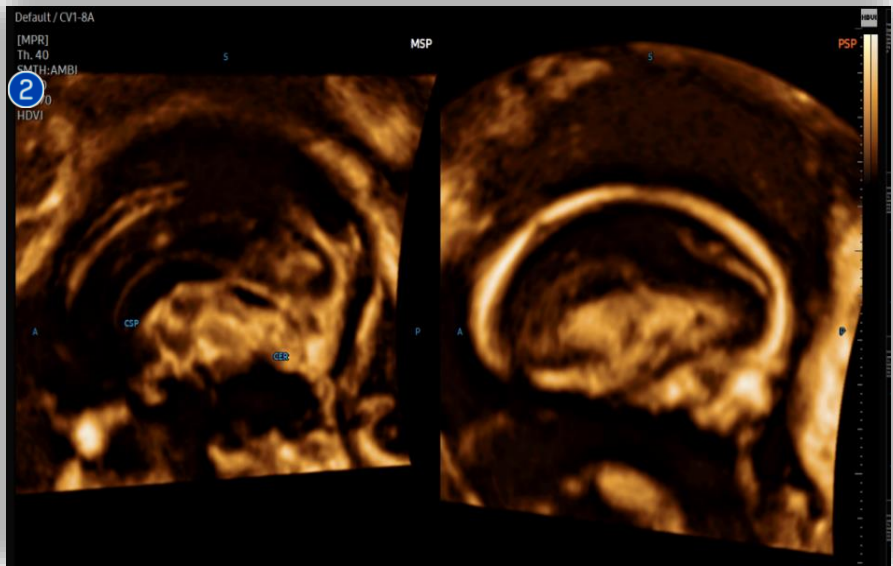
Select Coronal to review 4 Coronal views include TFc, TCaudC, TTc and TCc



9. Result View (Sagittal)



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



- 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 V series 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 V series V1.05.
- Disclaimer: Some Images in this content were obtained from other system.

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