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SAMSUNG

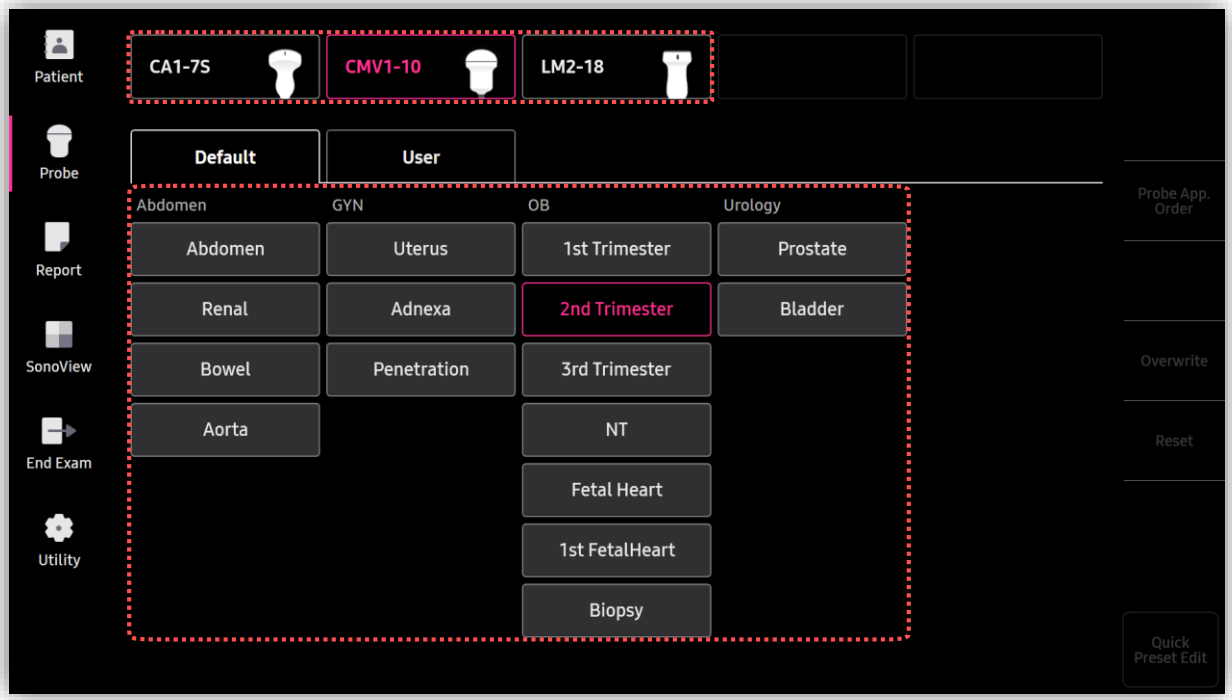
CrystalVue™

HERA Z20 **Quick Guide**

Produced by Clinical Training Center / SAMSUNG MEDISON CO.,LTD

CrystalVue™

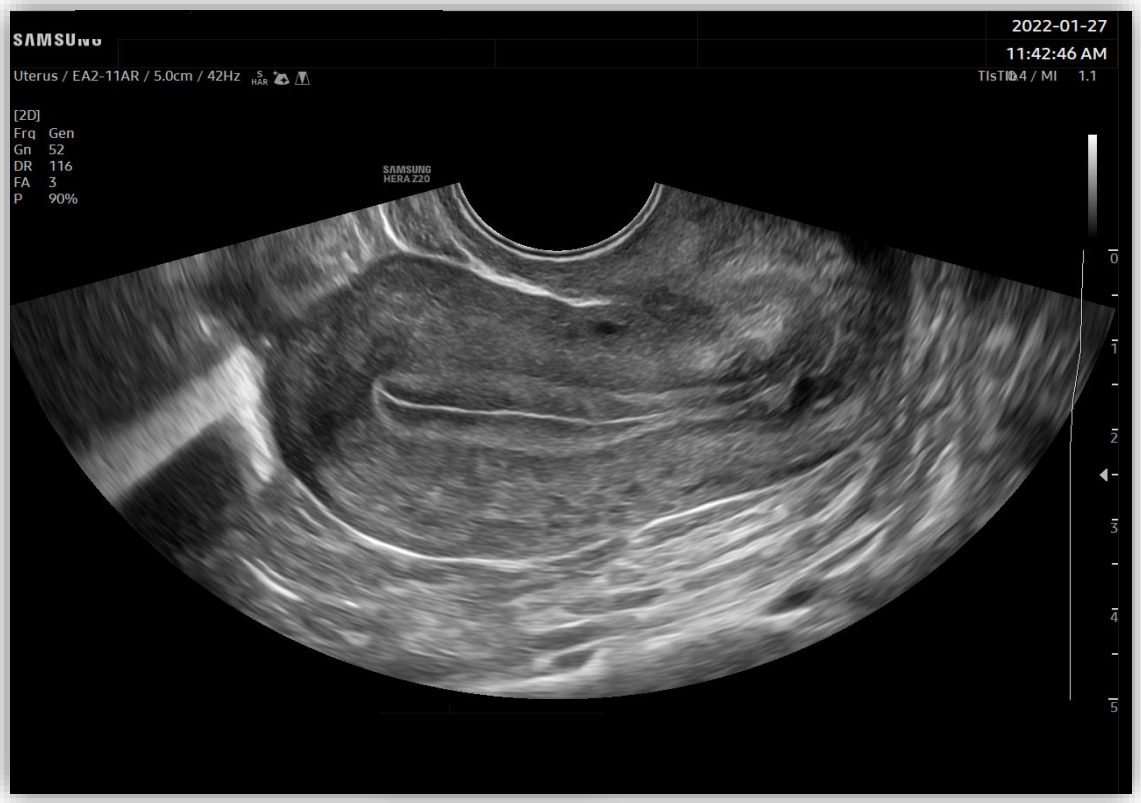
1. Probe and Preset



※ CrystalVue can be operated under the following conditions :

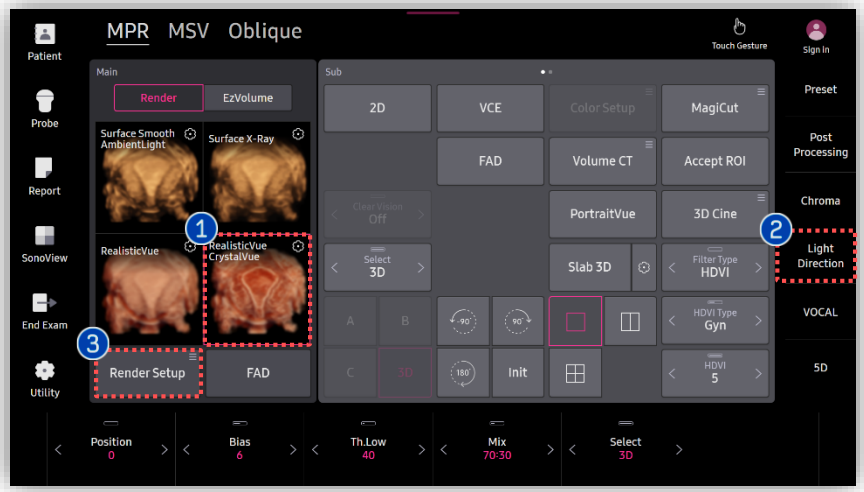
Probe	Application
CV1-8A EV2-12 CMV1-10	All presets

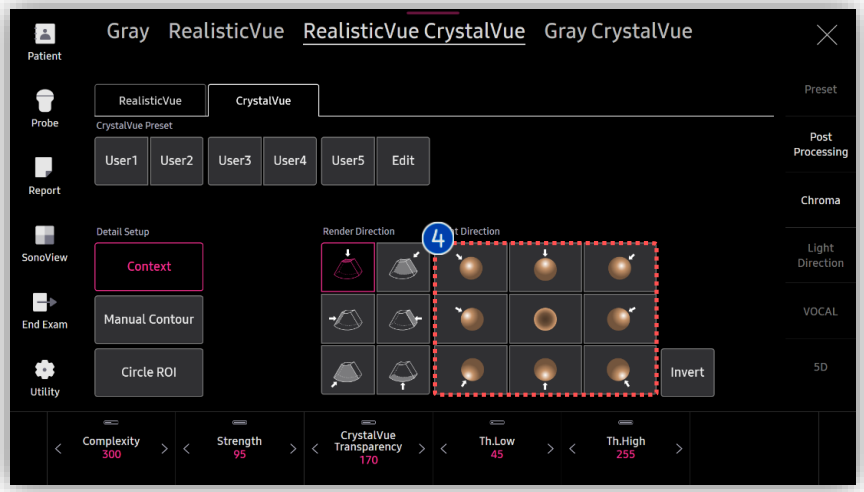
2. Volume acquisition



❶ Volume acquisition	Acquire the volume data with the structure you desire to apply CrystalVue.

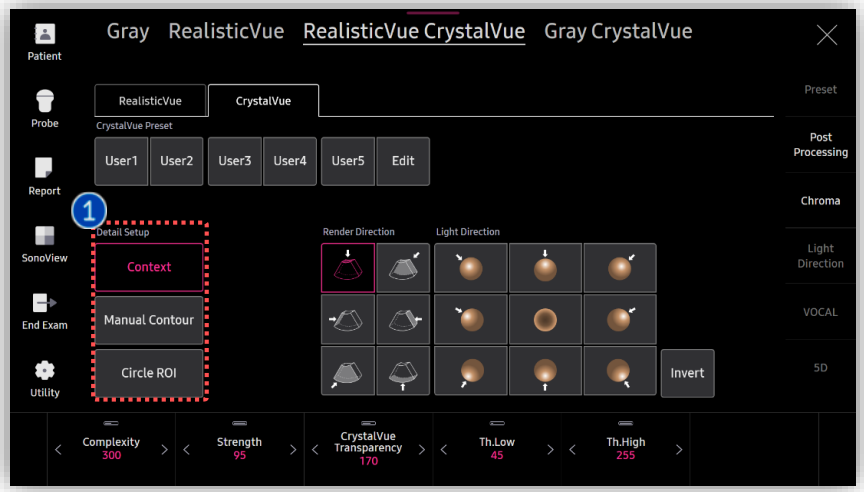
3. Apply CrystalVue™



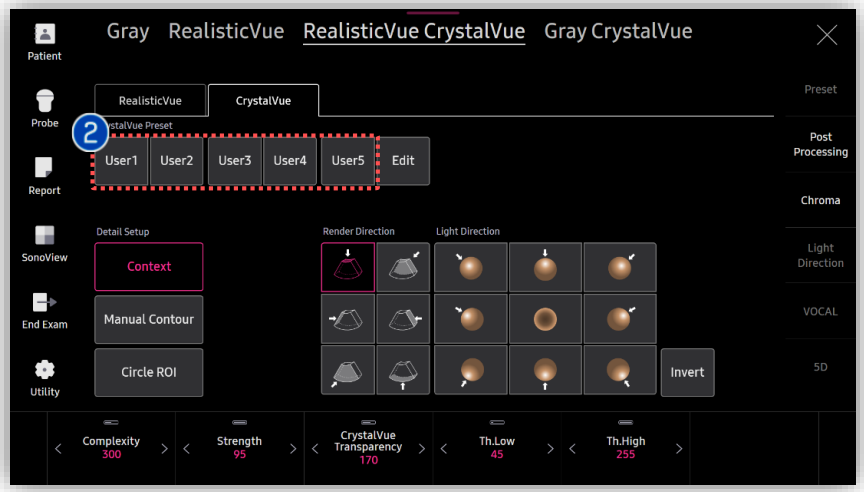


① CrystalVue	Tap [RealisticVue CrystalVue] on the touch screen.
② Light Direction	Tap [Light Direction] within short cut keys when you adjust the direction of light freely by trackball.
③ Render Setup	Tap [Render Setup] on the touch screen to adjust parameters of CrystalVue.
④ Pre-defined Light direction	Tap pre-defined light direction among 9 designated options.

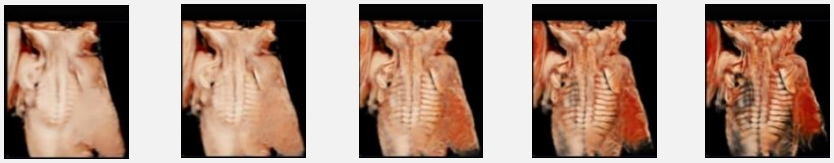
4. Adjust CrystalVue™ Parameters



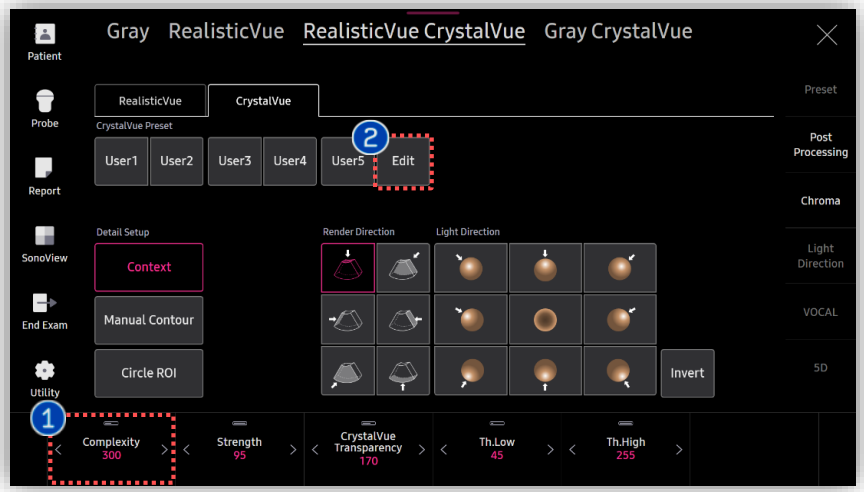
1 ROI Type	Select type of ROI between Context, Manual Contour and Circle ROI.

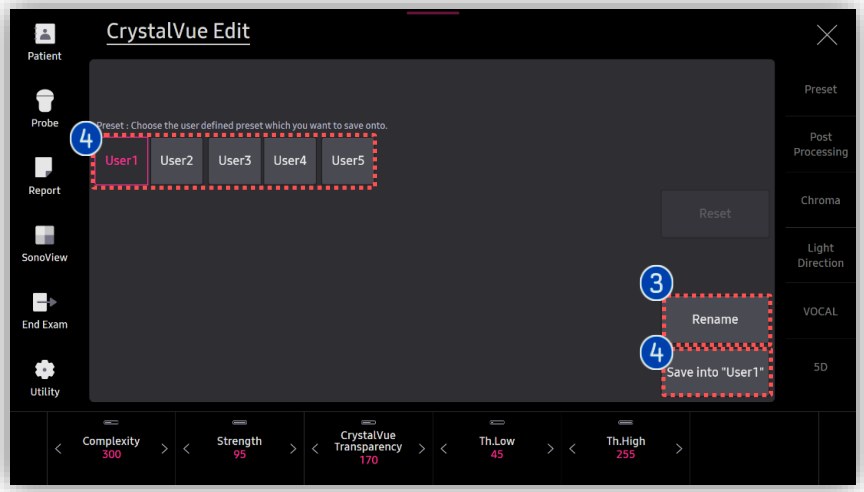


2 CrystalVue Preset	Select one among various pre-defined presets for quick feedback. ▪ The higher the preset number, the more internal information.



5. Edit CrystalVue™ Preset





❶ CrystalVue Parameters	For fine adjustment, use these three parameters. ▪ Complexity: The higher Complexity value, the more context information. The lower value, the more surface information. ▪ Strength: As the Strength value is higher, the context information becomes clearly visible. ▪ CrystialVue Transparency: Level of transparency or opacity.
❷ Edit	After parameter adjustment, tap [Edit] to save it.
❸ Rename	Tap to designate name of the preset.
❹ Save into	Tap to save into selected preset.

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CrystalVue Flow™

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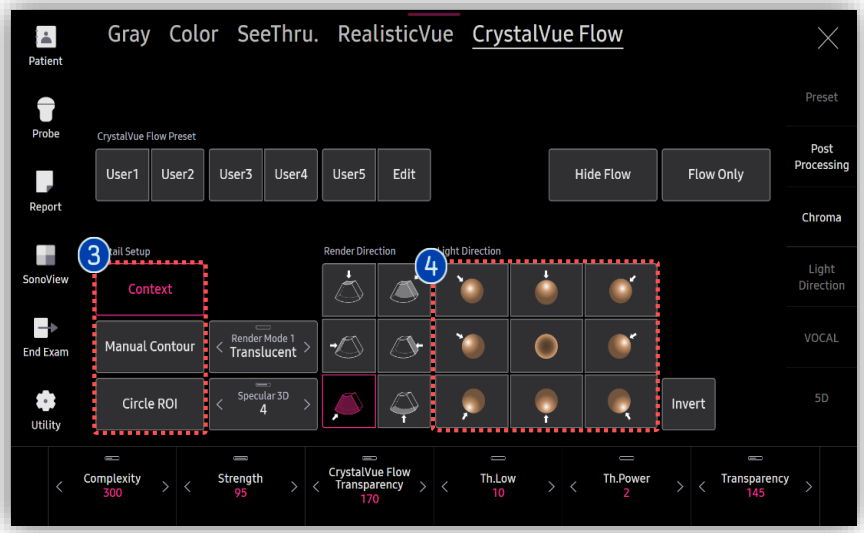
CrystalVue Flow™

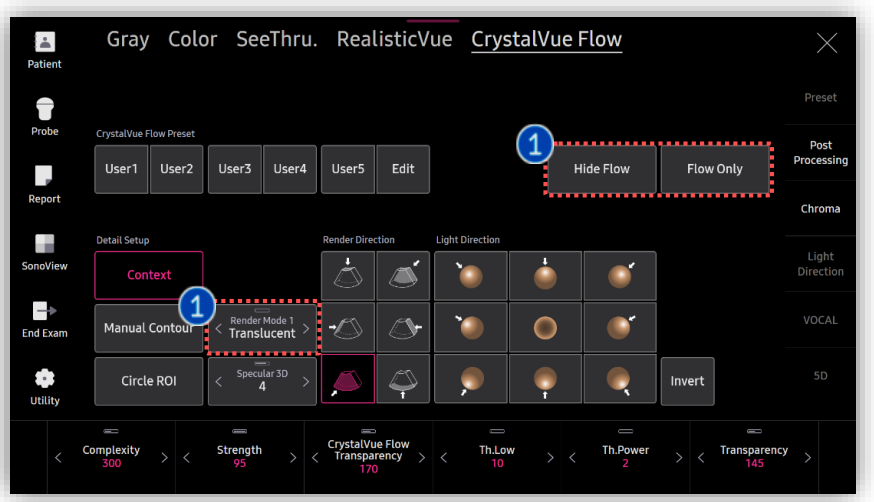
1. Apply CrystalVue Flow™

Acquire Volume image with Doppler method such as Color, Power and S-Flow.	
❶ CrystalVue Flow	After acquisition, tap [Crystalvue Flow].
❷ Render Setup	Tap [Render Setup] to adjust parameters of CrystalVue Flow.



❸ ROI Type	Select type of ROI between Context, Manual Contour and Circle ROI.
❹ Pre-defined Light direction	Tap pre-defined light direction among 9 designated options.

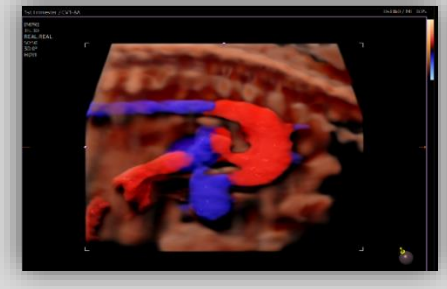
2. Apply CrystalVue Flow™



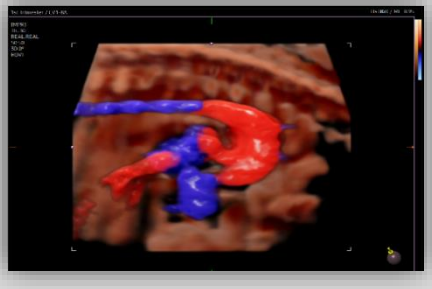
1 Display Mode

You can select display mode among various options below.

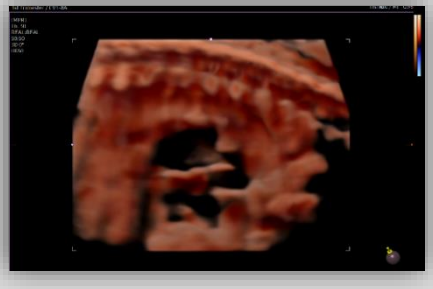
- Translucent: Color signal will be represented within tissue signal.
- Max: Color signal will be represented in maximum intensity.
- Hide Flow: Only tissue signal will be represented.
- Flow Only: Only Doppler signal will be represented.



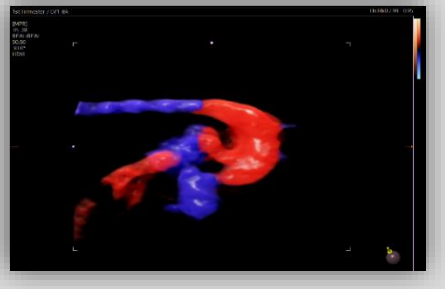
Translucent



Max



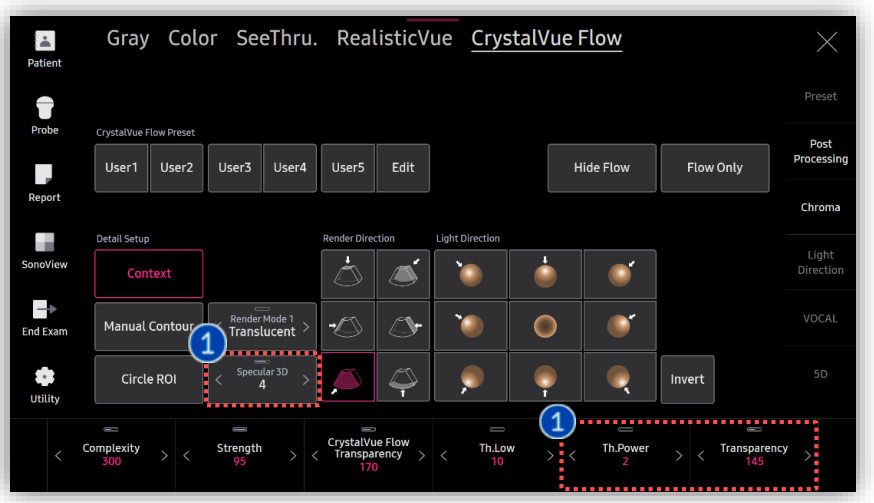
Hide Flow



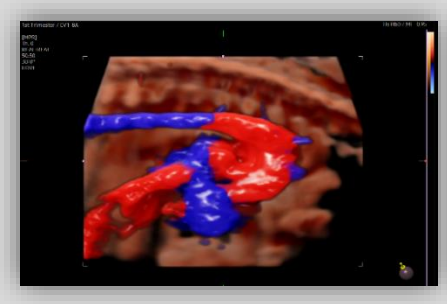
Flow Only

CrystalVue Flow™

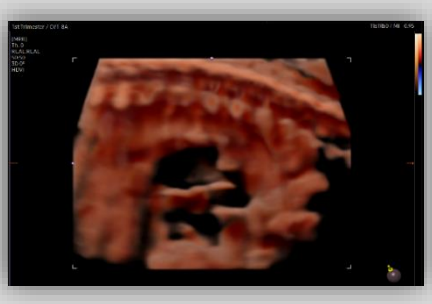
3. Adjust Color Parameters



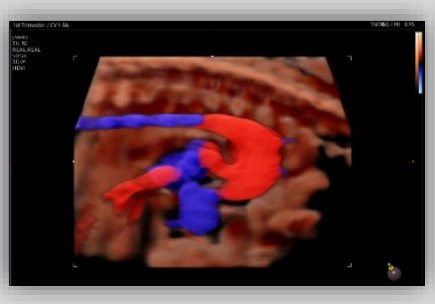
❶ Color Parameters	You can adjust parameters of Color signal. ▪ Th.Power: As Th.Power increases, overall color signal will be gradually eliminated. ▪ Specular 3D: As the index increases, there are more watery effect applied. ▪ Transparency: The lowest value(20) is for transparent color signal, and the highest value(250) is for opaque color signal.



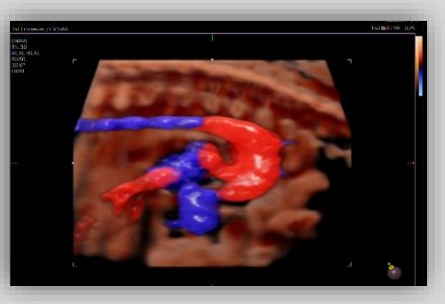
Th.Power 0



Th.Power 255

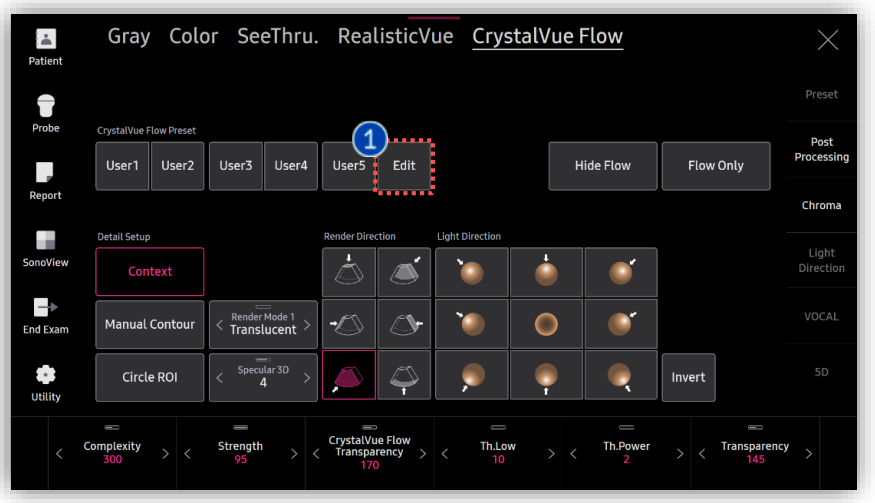


Specular 3D Off

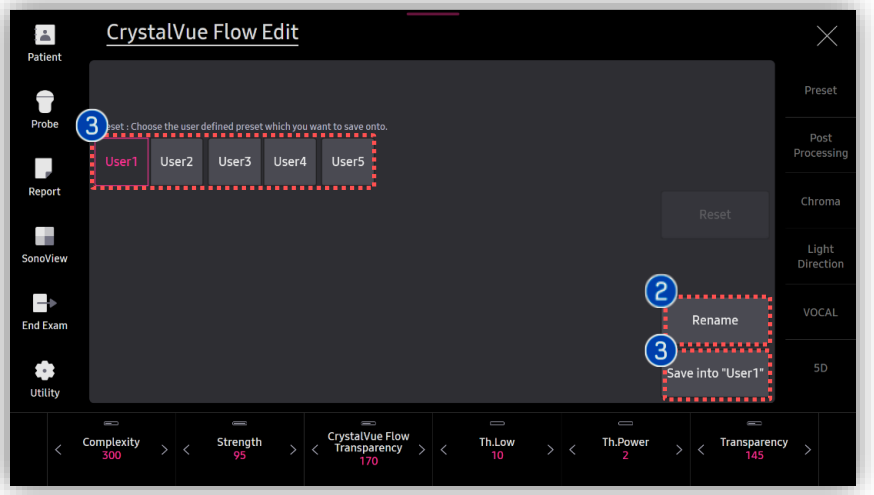


Specular 3D Lv.5

4. Edit CrystalVue Flow™ Preset



❶ Edit	After parameter adjustment, tap [Edit] to save it.



❷ Rename	Tap to designate name of the preset.
❸ Save into	Tap to save into selected preset.

- The features mentioned in this document may not be commercially available in all countries. Due to regulatory reasons, their future availability cannot be guaranteed.
- 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 Z20 V1.00
- Disclaimer: Some Images in this content were obtained from other system.