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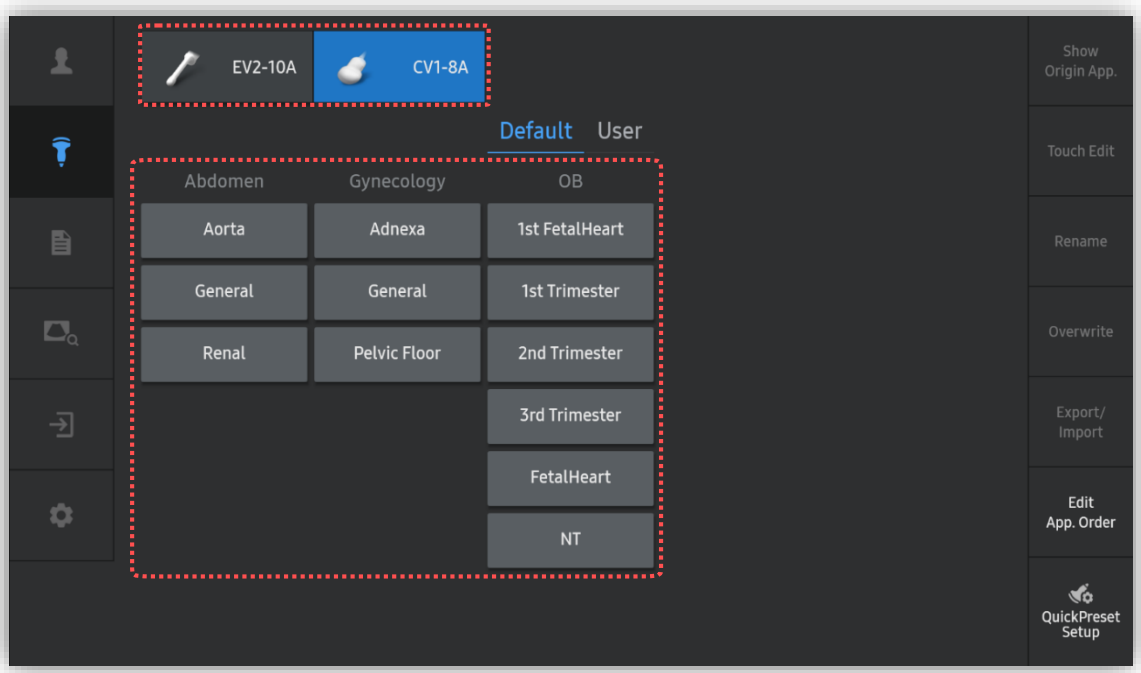
CrystalVue™

HERA W10 **Quick Guide**

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

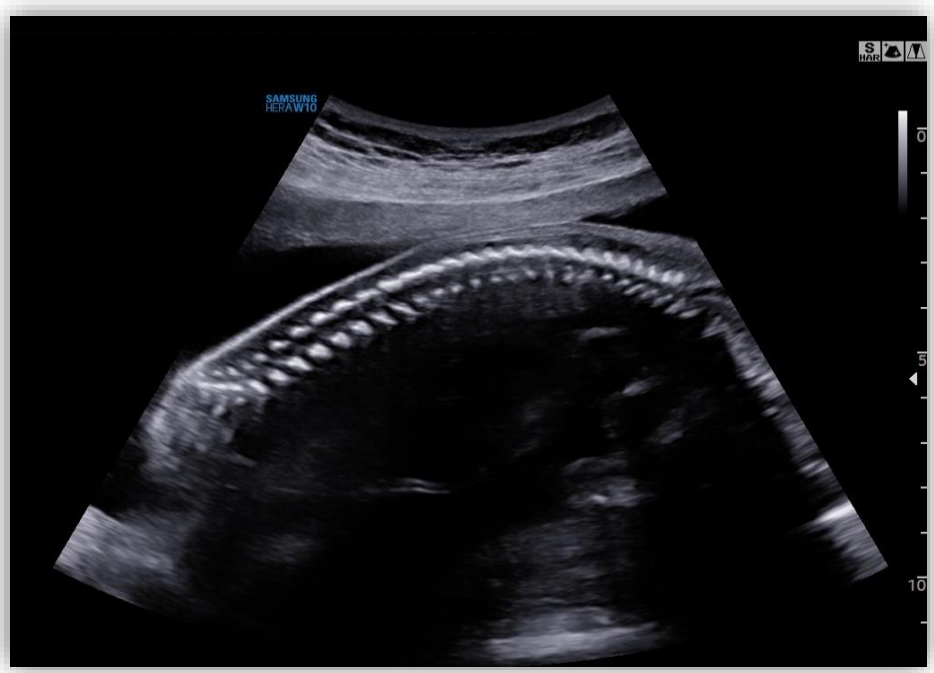
1. Probe and Preset



※ CrystalVue™ can be operated under the following conditions :

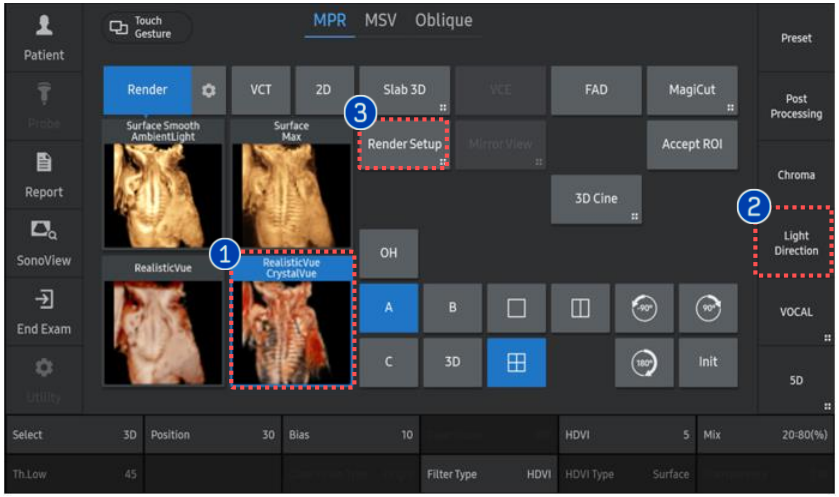
Probe	Application
CV1-8A EV2-10A	All presets

2. Volume Acquisition

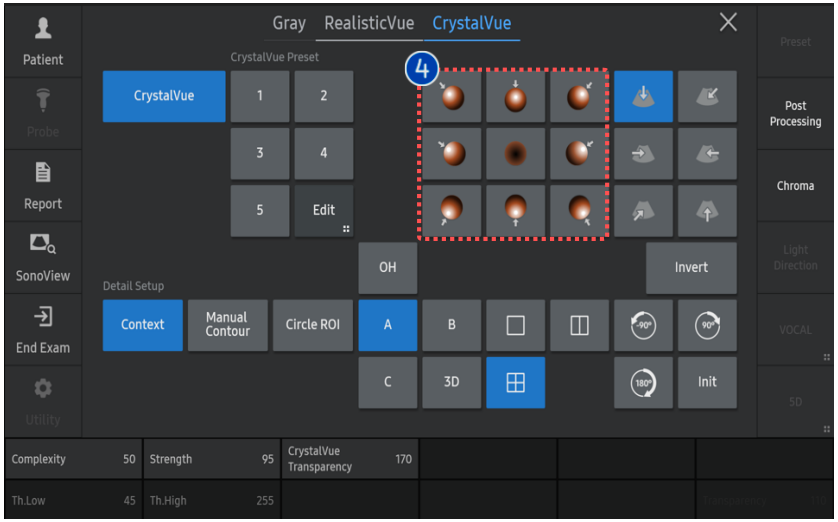


❶ Volume acquisition	Acquire the volume data with the structure you desire to apply CrystalVue™.

3. Apply CrystalVue™



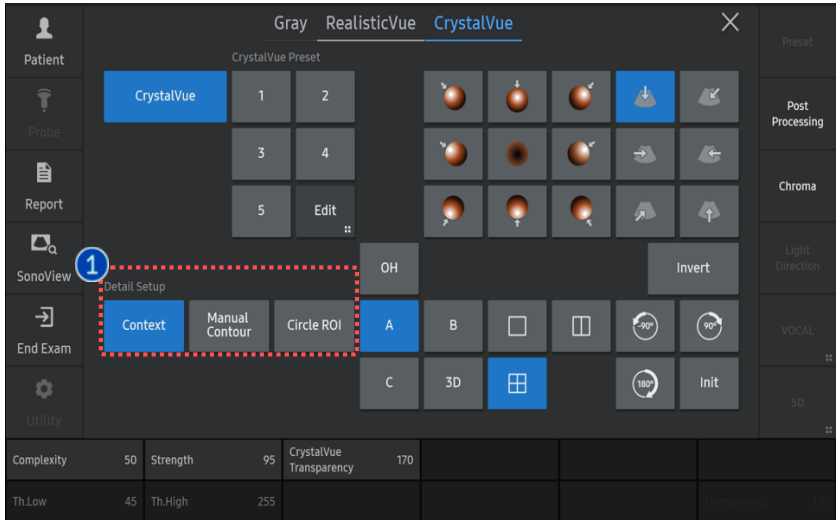
❶ CrystalVue™	Tap [CrystalVue™]on the touch screen.
❷ Light Direction	Tap [Light Direction] within short cut keys when you adjust the direction of light freely by trackball.
❸ Render Setup	Tap [Render Setup] on the touch screen to adjust parameters of CrystalVue™.



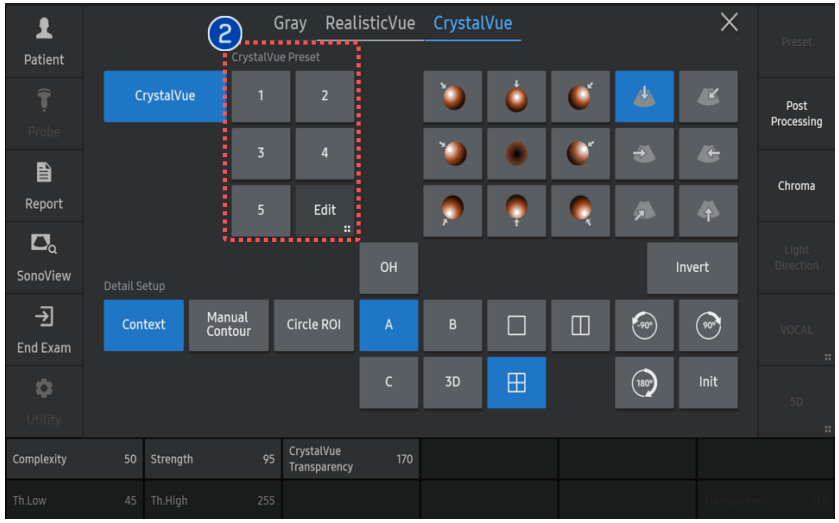
❹ Pre-defined Light direction	Tap pre-defined light direction among 9 designated options.

CrystalVue™

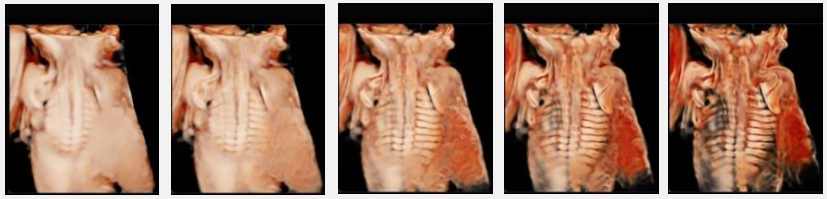
4. Adjust CrystalVue™ Parameters



❶ Detail Setup (ROI Type)	Select type of ROI between Context, Manual Contour and Circle ROI.

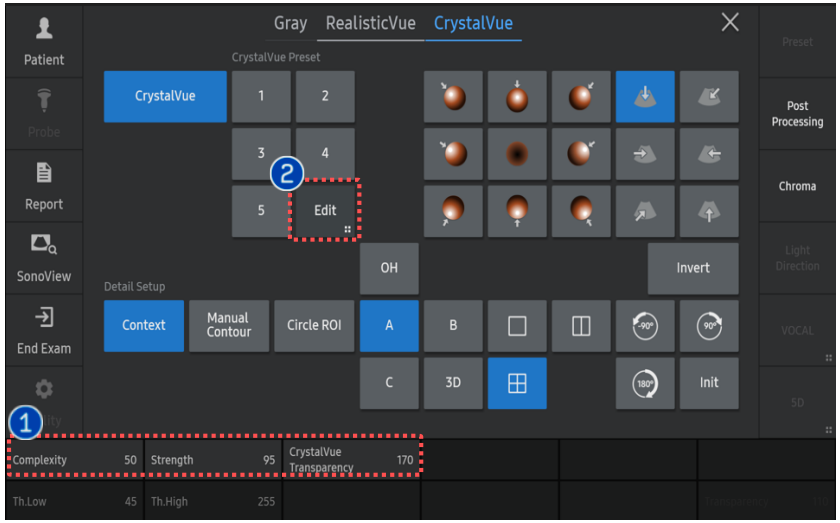


❷ Crystal Vue™ Preset	Select one among various pre-defined presets for quick feedback. ▪ The higher the preset number, the more internal information

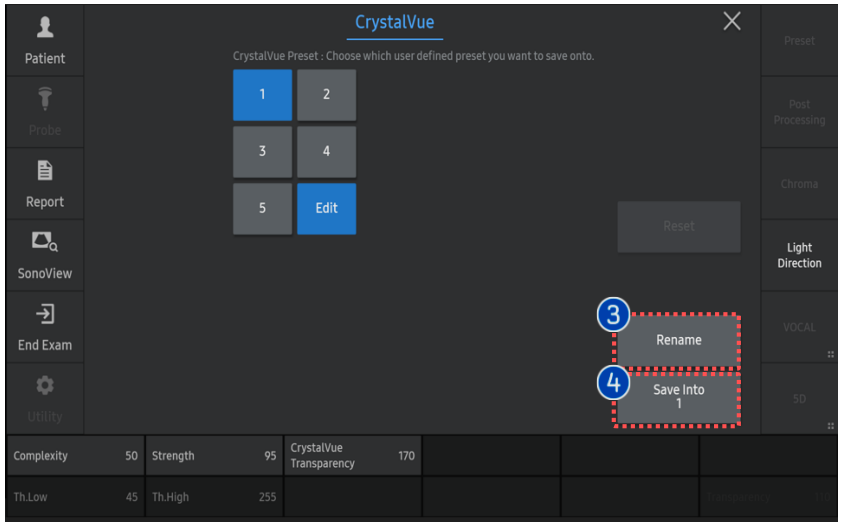


1 2 3 4 5

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. ▪ 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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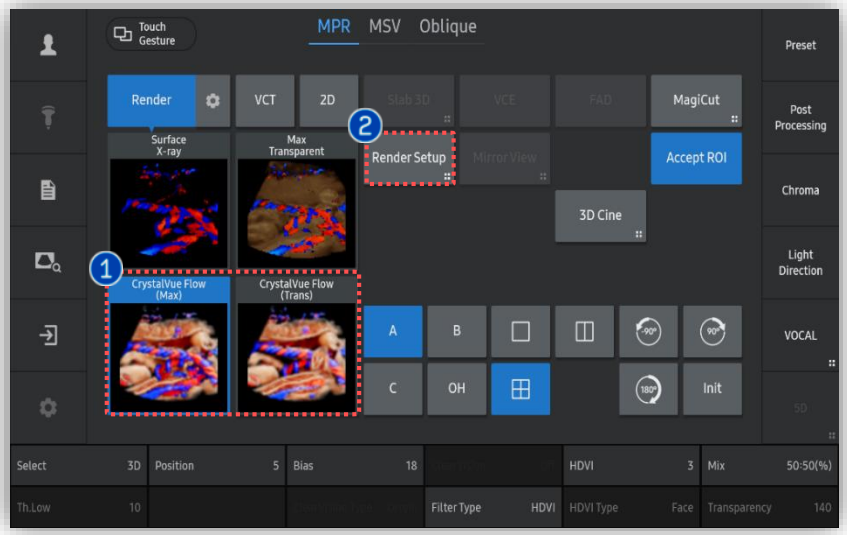
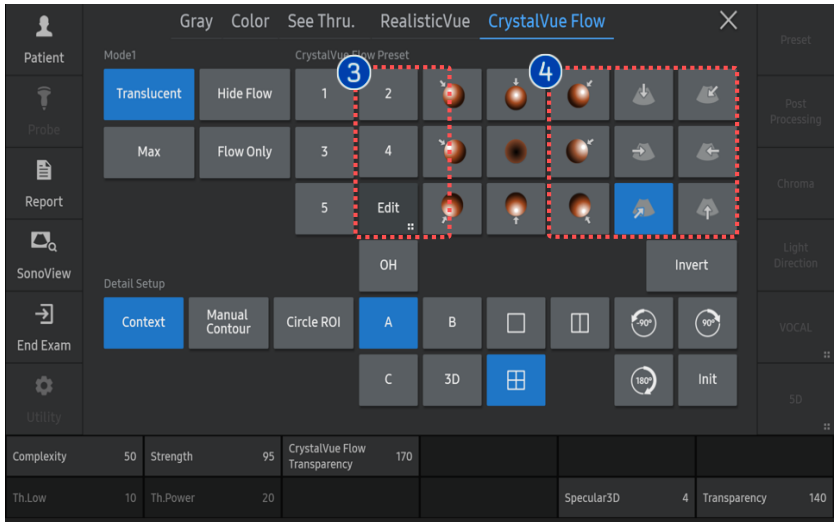
CrystalVue Flow™

1. Apply CrystalVue Flow™



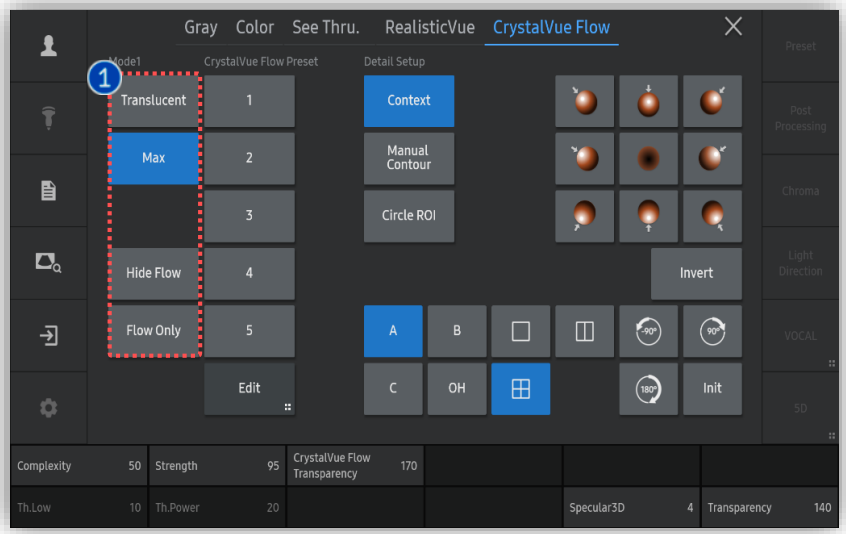
Acquire Volume image with Doppler method such as Color, Power and S-Flow.

❶ CrystalVue Fow™	After acquisition, tap [Crystalvue Flow]
❷ Render Setup	Tap [Render Setup] to adjust parameters of CrystalVue Flow™

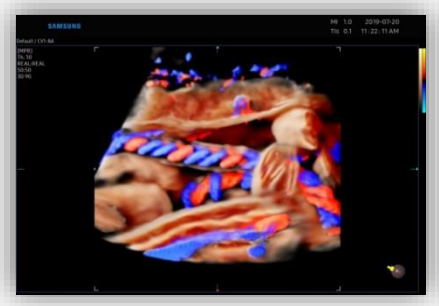


❸ ROI Type	Select type of ROI between Context, Manual Contour and Circle ROI.
❹ Pre-defined Light direction	Tap pre-defined light direction among 9 designated options.

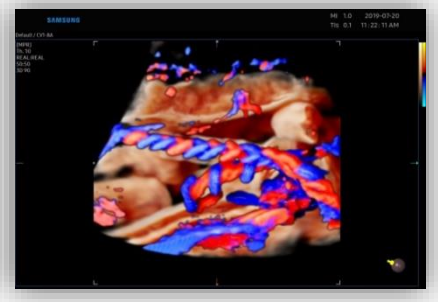
2. Apply CrystalVue Flow™



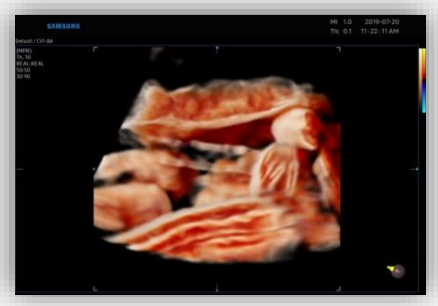
❶ Display Mode	You can select display mode among various options below. ▪ Translucent: Color signal will be represented within tissue signal ▪ Max: Color signal will be represented in maximum intensity ▪ Hide Flow: Only tissue signal will be represented ▪ Flow Only: Only Doppler signal will be represented



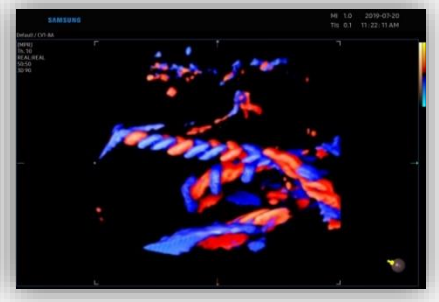
Translucent



Max



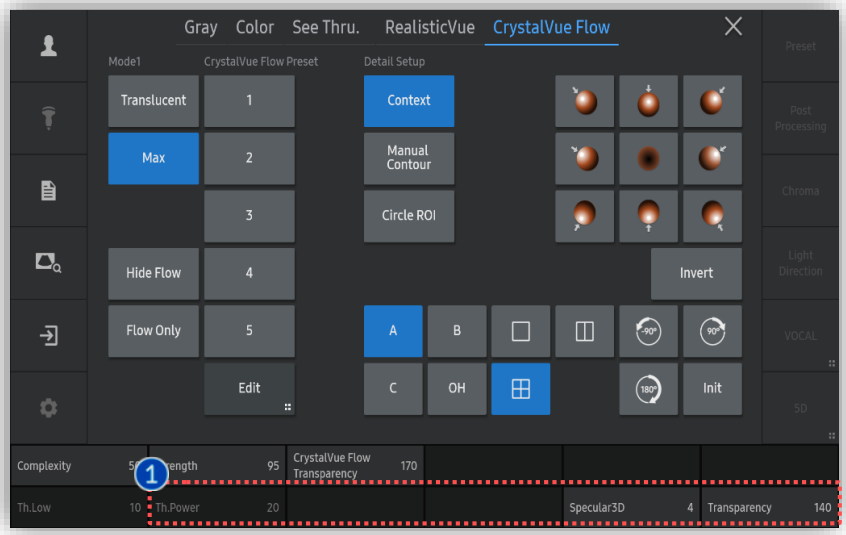
Hide Flow



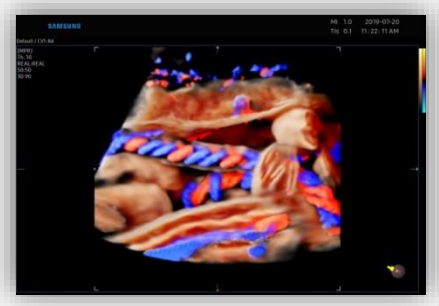
Flow Only

CrystalVue Flow™

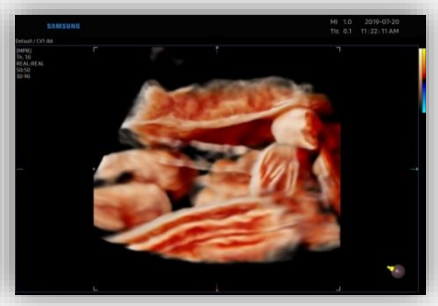
3. Adjust Color Parameters



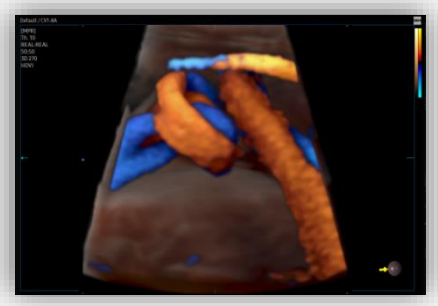
❶ Color Parameters	You can adjust parameters of Color signal. ▪ Th.Power: As Th.Power increases, overall color signal will be gradually eliminated ▪ Specular 3D: As the index increases, there are more watery effect applied ▪ Transparency: The lowest value(20) is for transparent color signal, and the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



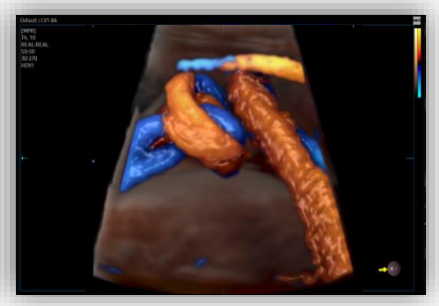
Th.Power 0



Th.Power 250

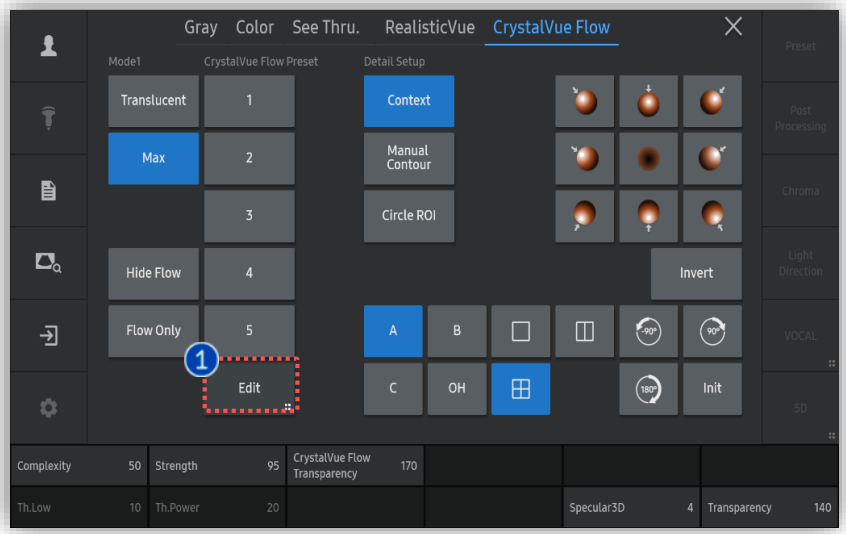


Specular 3D Off

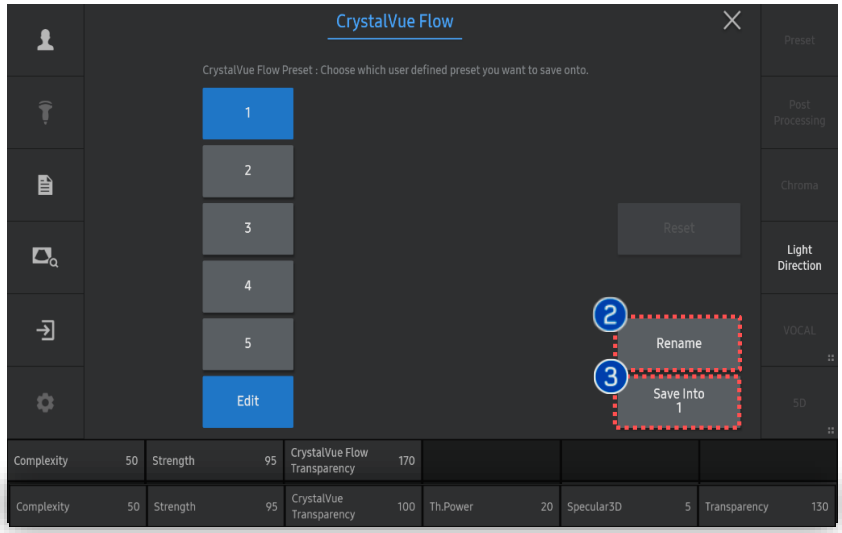


Specular 3D Lv.5

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, 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, fore 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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