

ShadowHDR™

A tool for visualization of attenuated shadow areas

Tips & Tricks

Samsung's Technology

I Frequency compounding technology

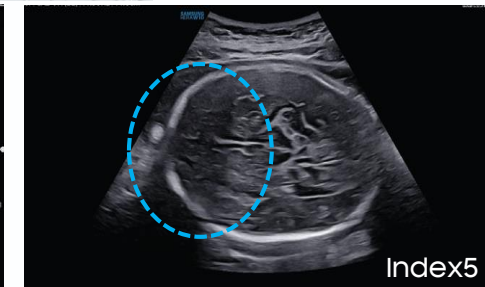
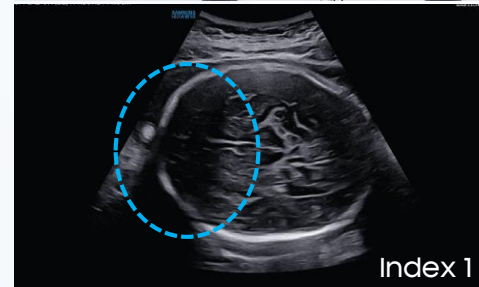
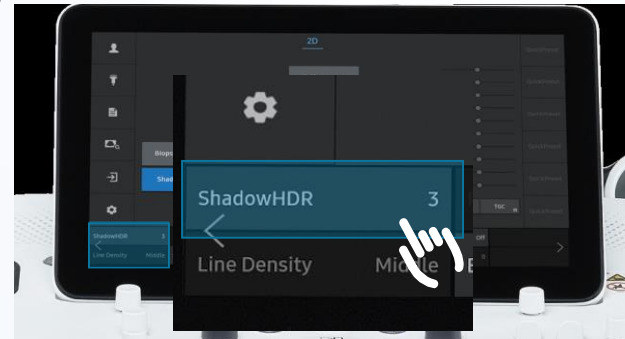
- By applying different frequencies for each depth, clearer and uniform images can be obtained at every level of penetration.
- ShadowHDR™ uses low frequency beam more efficiently in shadow areas and HDR compression technology in the shadow areas to better express those signals that are hard to see in the shadow areas.

I Workflow & Tips

① Tap the [ShadowHDR] button to turn on



② Adjust a strength by tapping the [ShadowHDR] button on the flexible menu. (1 - 5)
Higher the index, more amount of low frequency is applied and make shadow brighter



Clinical Value

- The brightness in the shadow area is compensated, making it easier to see the tissue pattern in dark area.
- Provides a shadow suppressed image, especially highly attenuated regions such as fetal head, spine and beyond extremities.

Clinical Use Case

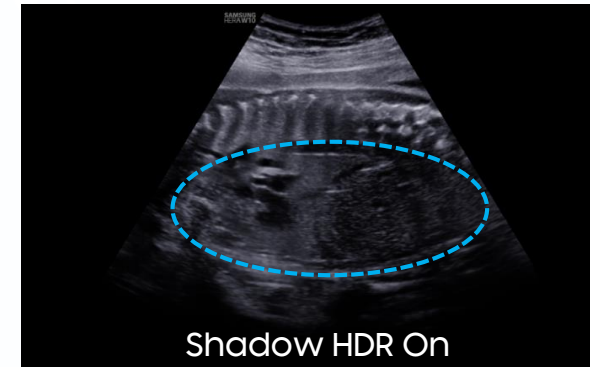
● Fetal Brain



● The region behind extremities



● Fetal Chest & Abdomen



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