HITACHI
Inspire the Next

The Next Evolution in Ultrasound « Hitachi's ALOKA ARIETTA 850 »

Designed for Higher Expectations

The ARIETTA 850 features a new OLED monitor and eFocusing technology that enhance the ultrasound image, allowing for more detailed observation. It also provides an extensive variety of imaging modalities such as Real-time Tissue Elastography and Strain Histogram Measurement, enabling a comprehensive examination.

4G CMUT

The evolution of CMUT (Capacitive Micro-machined Ultrasound Transducers), using next-generation silicon wafer technology has brought the full complement of ultrasound examination modes into practical use. With super wide frequency bandwidth (2-22 MHZ) and high sensitivity the enhanced resolution is maintained in the far field. CMUT can deliver a one-probe solution for a wide range of ultrasound examinations.

3D Sim-Navigator

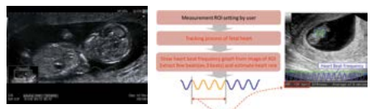
Provides simulation of single or multiple needle paths during navigation to a target with Real-time Virtual Sonography (RVS). The positional relationship between the marked target and needle paths can be assessed in real time using the 3D body mark, reconstructed from the virtual CT volume data, with additional C-plane display orthogonal to the needle path.

3D Body Mark

Liver (3D Sim-Navigator)

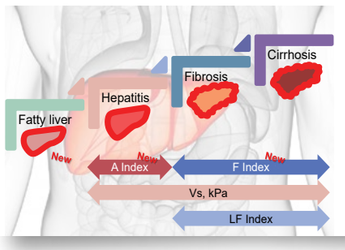
Auto FHR

The fetal heart rate can be automatically calculated using a tracking ROI placed over the fetal heart on the B mode image. This offers a safer and more objective measurement compared to conventional Doppler or M-mode methods. Furthermore, as this function is also available on the transvaginal transducer, assessment can be made from early gestation onwards.

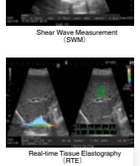


Combinational Elastography

The combined use of RTE and SWM offers a new approach to noninvasive assessment of liver fibrosis. LF index reflects the progression of liver fibrosis, whilst Shear Wave Measurement indicates the impact of other factors such as inflammation. Combining these 2 methods can detail the chronological progression of hepatitis.



Shear Wave Measurement (SWM)



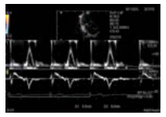
Real-time Tissue Elastography (RTE)

Real-time Virtual Sonography

RVS merges real-time ultrasound with previously acquired CT, MR, or ultrasound images. It allows a direct comparison of lesions taking advantage of the strengths of each imaging modality.

Dual Gate Doppler

Enables observation of Doppler waveforms from two different locations during the same heart cycle. A combination of blood flow and Tissue Doppler waveforms enable measurements such as the LV diastolic performance indicator, E /e' ratio, avoiding beat-to-beat variation.



GANNAGE MEDICAL

Gannage Medical S.A.L. 5th Floor | 423 Bldg. | Al Arz Street | Saifi | Beirut | Lebanon | T: +961 1 566759 | M: +961 76 897676
info@gannage.com.lb | www.gannage.com | www.facebook.com/GannageHolding | www.linkedin.com/company/gannageholding