



ESE-G80

Color Ultrasound System



IMAGING SYSTEMS



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Ultrasound System Specifications

The revolutionary and premium performance of the ESE-G80 provides a fast and easy diagnosis by:

- Ultra-premium contrast and resolution imaging benefited from the first RF platform of the world
- All ranges of features, functions and probes
- Easy use and ergonomic design
- 21.5" high resolution IPS, LED screen
- Highly sensitive 13" touch panel
- Up to 25Mhz high frequency in system platform. Up to 18MHz's probes are supported
- RF platform and RF data processing
- Up to 1500 seconds cine storage
- 500GB hard drive

Applications

- Abdomen
- Obstetric
- Gynecology
- Cardiology
- Urology
- Vascular
- TCD
- Small Parts
- Pediatrics
- Intra-operative

***Best-in-class compact,
multi-purpose ultrasound***



Innovative RF platform

Unique RF platform, the first of its kind, removes the need for the hardware pre-processing and demodulation of traditional ultrasound platforms. The whole signal is used for image-processing, which allows up to 40 times more data to be retained in comparison with conventional ultrasound. This means that more accurate data is available to the clinician for post-processing and ensures superior image quality in terms of resolution and contrast. The platform also has a wide frequency range which can support probes from 1-25MHz

VTissue Tissue signature image

VTissue automatically compensates for variations in the speed of sound between different tissues to enhance imaging throughout the body.

Excellent 3D/4D Capabilities

The RF platform provides accurate volumetric image-processing alongside world-class convex and endocavity probes. This allows a high quality image for obstetric and gynaecological applications.

Spatio-Temporal Image Correlation (STIC)

The three-dimensional real-time display allows the user to visualize the internal structure of the fetal heart.

CBI (Contrast Bubble Imaging)

CBI can be used with contrast agents to image enhanced flow-rates within tissues for improved diagnostic purposes.

Elastography

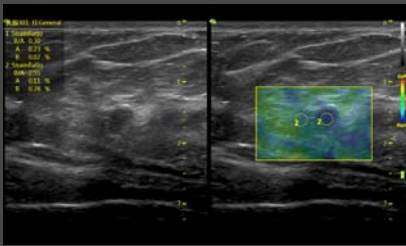
Elastography is a simple, non-invasive technique that allows the user to evaluate tissue stiffness and the strain rate of potential lesions for diagnostic purposes.

Easy Compare

Clinicians are able to compare a live image and an archive image side-by-side on a single screen, for improved diagnostic capabilities.

Smart Touch Panel

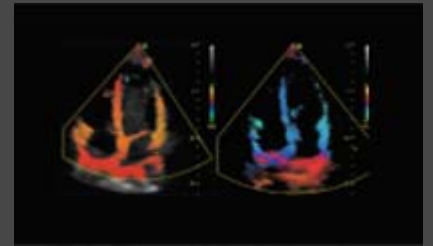
Smart 3D/4D Touch Panel
Rotate to any angle and zoom



Elastography



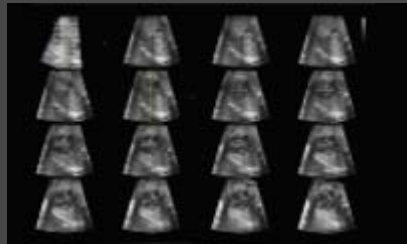
Single crystal pure wave probe
showing fetal blood flow



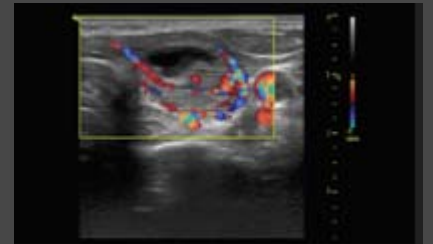
TVI (Tissue Velocity Imaging)



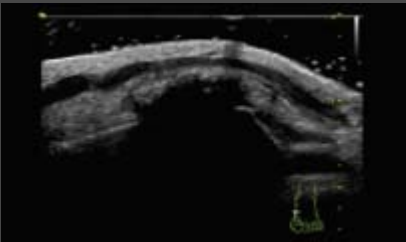
IMT (Intima-Media Thickness)



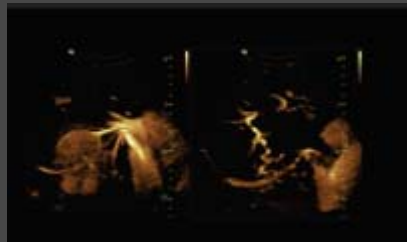
STIC (Spatio-Temporal Image
Correlation) of a fetal heart



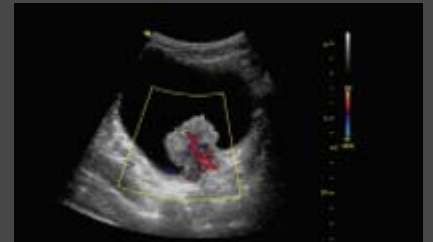
Xcen technology showing
organized blood flow in a lesion
within the thyroid



Ultra high frequency probe
showing gout in the
metatarsophalangeal joint



CBI (Contrast Bubble Imaging)



Blood flow shown in a lesion
within the bladder