

DC-70

Diagnostic Ultrasound System

Quality exams at your fingertips

X-Insight



X-Insight

An insightful solution to envision more

X-Insights represents Mindray's cutting-edge ultrasound technologies, developed and driven by customers' insights and clinical needs.



High efficiency with precision imaging

As an invaluable partner to your daily clinical practice, the Mindray DC-70 with X-Insight helps you on each task with precision and clarity.

To achieve customer needs is our highest priority and endless pursuit, the DC-70 with X-Insight is designed to deliver high efficiency with precision imaging, which is empowered by the eXpress clarity, the eXceptional smartness, and the eXceeding experience.

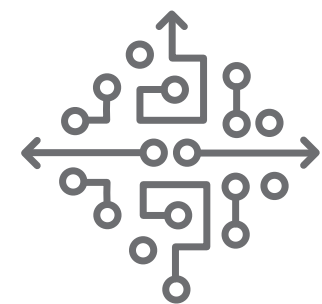
eXpress Clarity

Clarity wherever and whenever you need it

With continuous innovation of imaging and transducer technologies, the DC-70 with X-Insight delivers immediate clarity with “Touch and Bingo” to allow you to get the optimal images that you need immediately, as soon as the transducer touches the body.

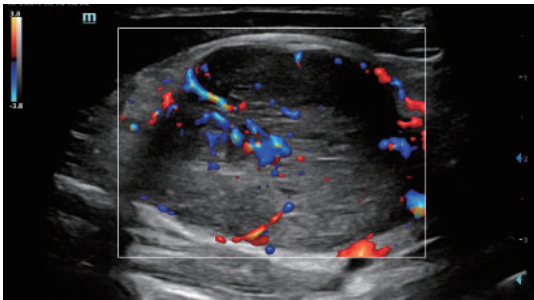
Thunder-speed imaging powered by X-Engine

The new X-Engine integrated with both GPU and CPU, enables multi-core parallel processing for fast imaging and superb clarity. With the advanced imaging engine, the imaging processing speed is accelerated three to four times faster than traditional processing, resulting in extremely fast imaging and superb clarity for 3D/4D and other applications.



Superb visualization with Glazing Flow

Glazing flow is a new method of demonstrating the color doppler flow in 3D visualization. It provides a more intuitive blood flow even in the case of the smallest vessels.

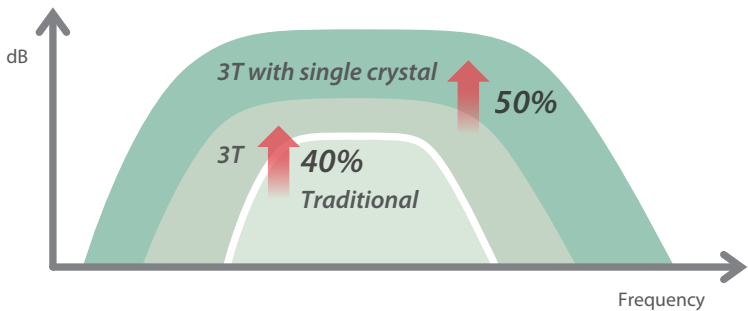


Thyroid tumor Glazing Flow

“Touch and Bingo” with premier transducers

Single crystal transducers with 3T technology

On top of Mindray's 3T technology (Triple-matching layers, Total-cut design, Thermal control), the brand-new single crystal (volume, convex and phased array) transducers provide a wider bandwidth to offer better penetration and higher resolution, resulting in an optimum scanning solution in OB/GYN, ABD, Cardiology, and more.



ComboWave transducers

Compared with traditional transducers, ComboWave transducers utilize a new type of composite piezoelectric material to dramatically optimize the acoustic spectrum and reduce acoustic impedance. Further integrated with Mindray's unique 3T technology, the ComboWave linear transducers allow you to experience outstanding performance with extreme image resolution and uniformity in thyroid, breast, vascular applications, and more.

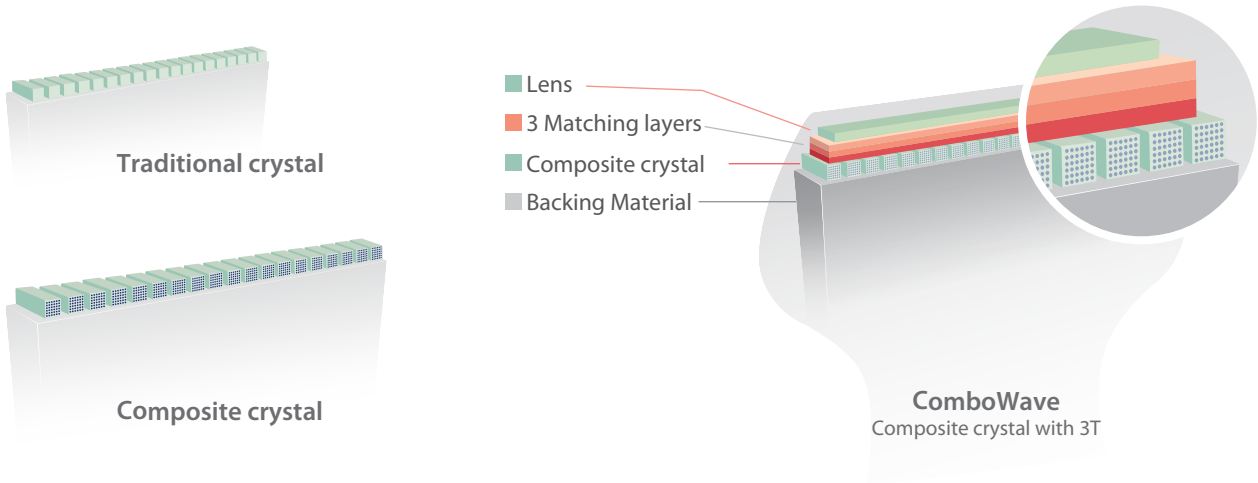
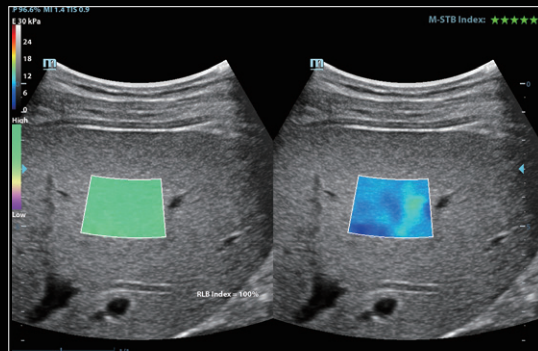
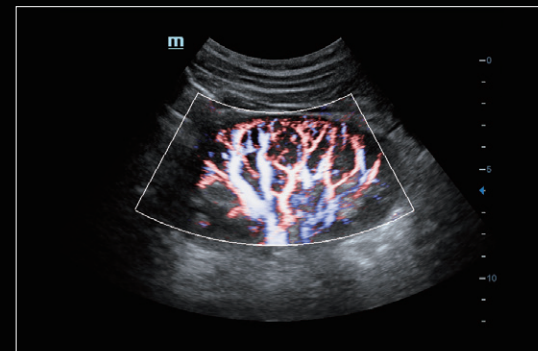


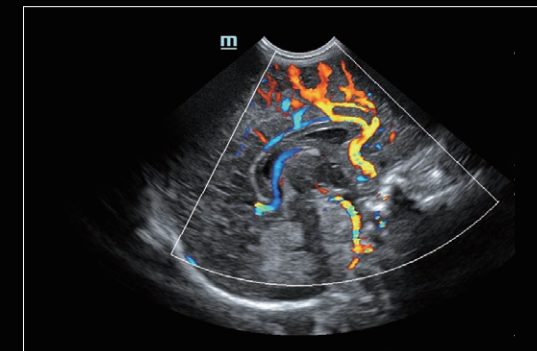
Image gallery



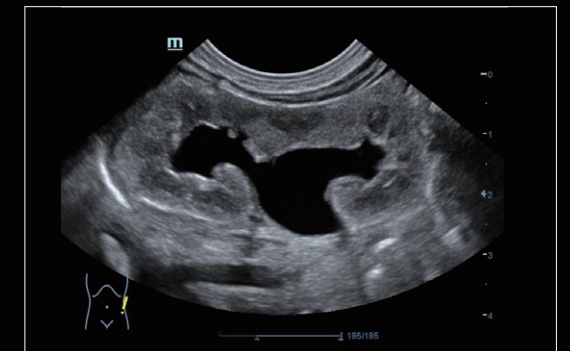
STE of liver



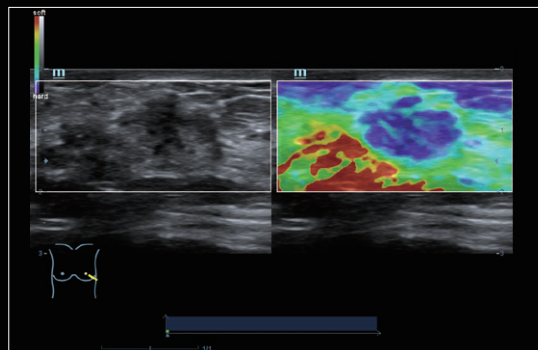
Kidney perfusion with HR Flow



Neonatal cerebral perfusion



Pediatric hydronephrosis



Natural Touch Elastography of breast mass



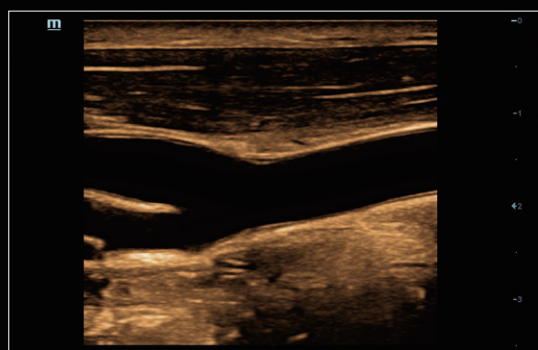
Thyroid adenoma



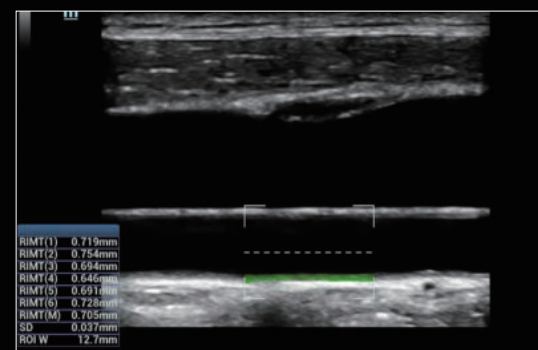
Fetal cleft lip



Fetal heart sclerosis



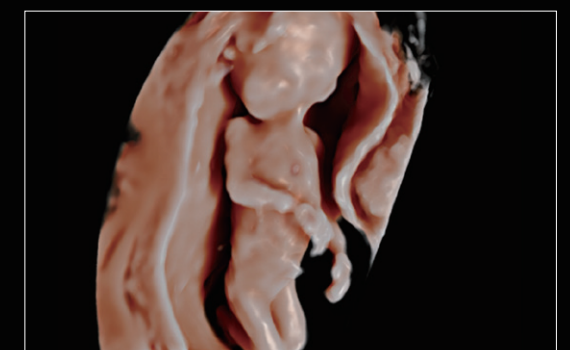
Carotid bifurcation



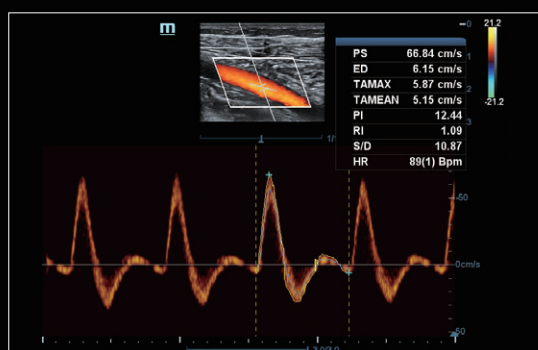
RIMT



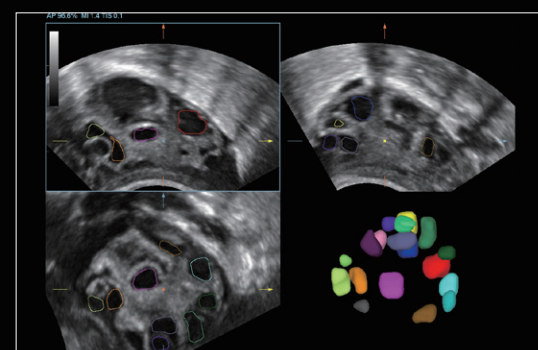
3D fetal face with iLive



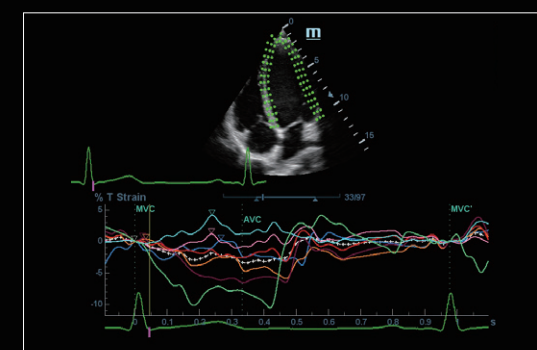
12W fetal profile 3D with iLive



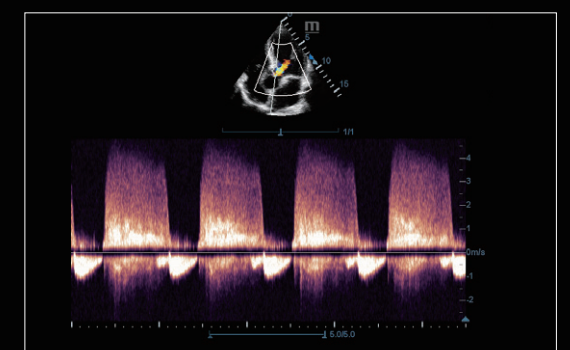
Popliteal artery triplex with auto calculation



Smart FLC



TT QA

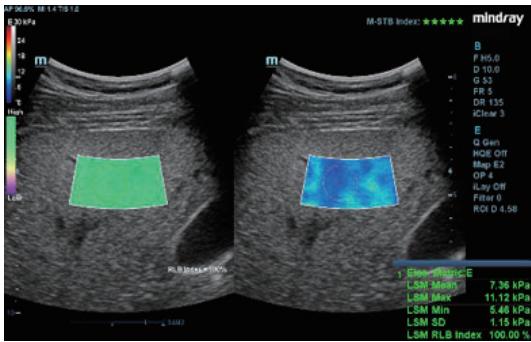


Aortic regurgitation

eXceptional Smartness

Shear Wave Elastography

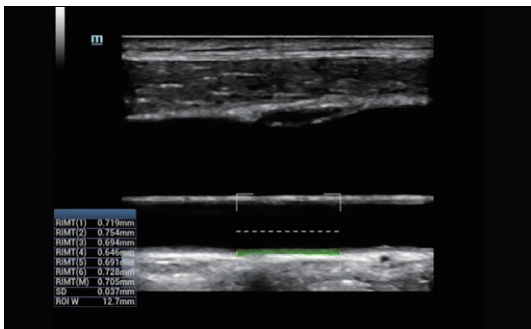
The DC-70 with X-Insight delivers the comprehensive shear wave solutions. Sound Touch Elastography (STE) with reliability map allows clinicians to get real-time 2D elastography and Young's modulus quantification for liver, breast, thyroid and MSK with high accuracy and reproducibility. Sound Touch Quantitation (STQ) with “E Avg” also enables real time and easy tissue stiffness quantification for hepatic fibrosis assessment with high reliability and stability.



Shear Wave Elastography

RIMT

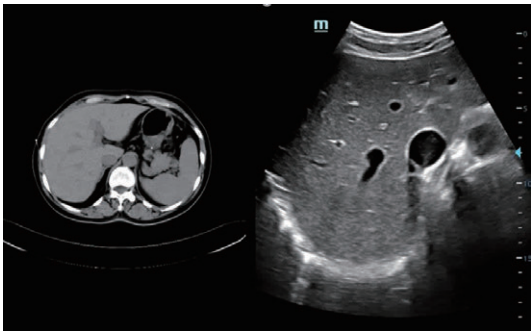
Comparing with the traditional IMT measurement, RF-data IMT is a more accurate method to detect even minimal changes, it's less dependent on image quality and real time with quantification of 6 heart cycles.



RIMT

iCompare

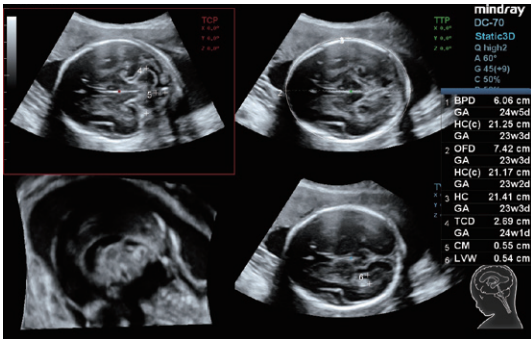
Using iCompare for clinical follow-up is fast and convenient as it allows comparison of real-time ultrasound imaging to past DICOM/CT/MRI/Mammography/X-Ray/Ultrasound images without the need of an external workstation.



iCompare

Smart Planes CNS

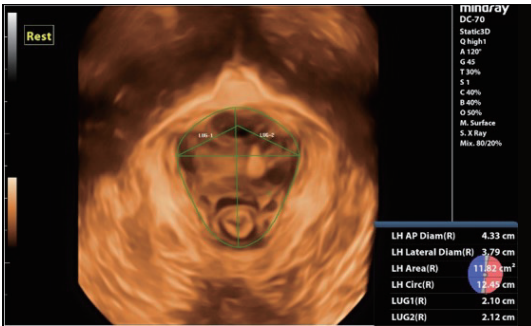
Smart Planes CNS is an user-friendly, fully automated tool that greatly increases scanning accuracy, leading to precise diagnoses, improved through-put, and reduced user dependency. With a single click on a 3D fetal brain volume image, the standard CNS scanning planes (MSP, TCP, TTP and TVP) and a range of related anatomical measurements (BPD, HC, OFD, TCD, CM and LVW) are obtained immediately with high accuracy.



Smart Planes CNS

Smart Pelvic

Smart Pelvic is the smart solution for imaging the pelvic floor. It can set up the baseline and trace the border of Levator Hiatus automatically, delivering a fast output assessment with more than 5 measurements, resulting in simpler and more accurate measurements.



Smart Pelvic

iLive

By mimicking multiple light sources of variable intensity, iLive helps to easily achieve volume renderings with unprecedented realism and clarity in high speed powered by X-Engine and advanced algorithm.



iLive

eXceeding Experience

Experience with high productivity

eXceeding experience in scanning results in more patient focus for high quality exams in both clarity and ease of use. The DC-70 with X-Insight provides outstanding ease of use with better ergonomics, easier scanning, and flexible management, even beyond your expectations.

Dual-wing floating arm

Unlimited-angle floating arm design feature, which allows for different monitor positions according to the need of the clinician.

13.3" ultra-slim multi-gesture touch screen with angle adjustment

An agile, smart, and intuitive user-experience beyond expectations.

Interactive ultrasound APP --- MedTouch

One-stop solution to control ultrasound devices, access patient data and inbuilt tutorial software via IOS/Android smart devices.

Built-in battery for continuous scanning

Better convenience and usability



Envision more with X-Insight

The future of patient care and clinical requirements is vastly changing. With ultrasound technology evolving, Mindray is listening to you, understanding your clinical needs, and providing you with the advanced clinical solutions.