

## DC-80

Diagnostic Ultrasound System

# Insight, Intelligence, and more

## X-Insight





# X-Insight

Mindray's brand-new solution is an excellent transforming of continuous customer insights into clinical needs, combined with evolving cutting-edge ultrasound technologies. Full of vitality, with the goal of insight into the future and pursuit of the unlimitedness, it is constantly improving with increased scalability.

## Overview

The best patient care is your ultimate goal. To achieve this requires confident diagnosis even with daily increases in patient throughput. Built on the foundation of Mindray's continuous efforts over the years and the inheritance from premium technology, the DC-80 with X-Insight is designed to help you manage your daily output with high efficiency, no matter what type patients and clinical challenges you will face.

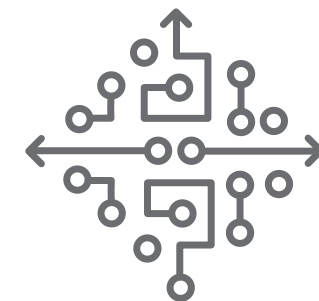
## eXpress Clarity

More clarity at hand



### Thunder-speed imaging powered by X-Engine

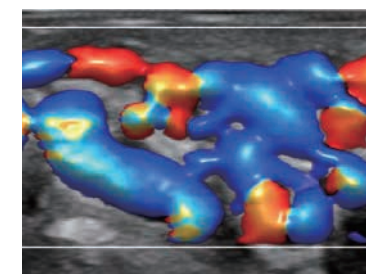
The new X-Engine integrated with both GPU and CPU enables multi-core parallel processing for fast imaging and superb clarity. With the advanced imaging engine, the imaging processing speed is accelerated three or four times faster than traditional processing, resulting in extremely fast imaging and superb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



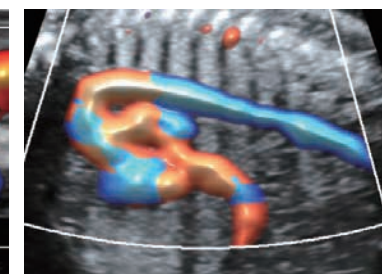
### Superb visualization by innovative image algorithm

#### Glazing Flow

It's a brand new way to demonstrate the Color or Power flow innovatively in a 3D visualization. Glazing Flow is able to provide intuitive and easy visualization of blood flow structures, especially very tiny vessels.



Varicocele



Fetal Cardiovascular

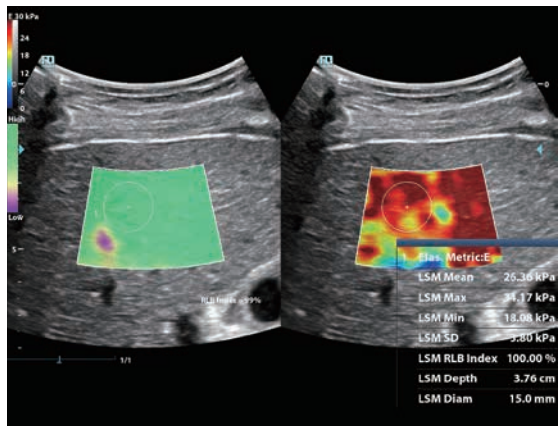


# eXceptional Intelligence

Intelligence integrated in professional diagnostic tools

## Complete Elastography Solution

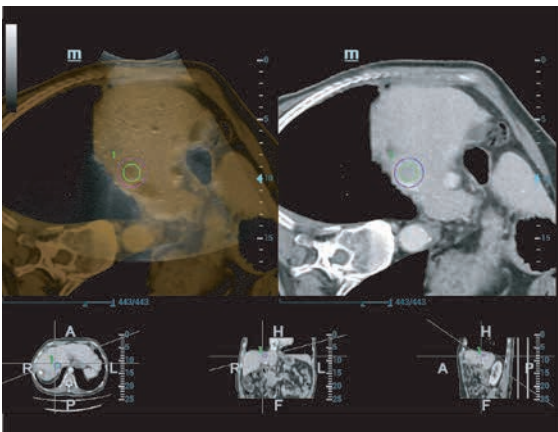
The DC-80 with X-Insight delivers a complete elastography solution with best in class shear wave and strain technology. **Sound Touch Elastography (STE)** with reliability map allows clinicians to get real-time 2D elastography and Young's modulus quantification for liver, breast, thyroid and MSK. with high accuracy and reproducibility. **Sound Touch Quantification (STQ)** with unique "E Avg" also enables real time and easy tissue stiffness quantification for hepatic fibrosis assessment with high reliability and stability. **Natural Touch Elastography** with a unique shell for tumor infiltration analysis provides high stiffness sensitivity.



Cirrhosis

## iFusion with Respiration Compensation

Bringing the precision of fusion imaging to a new level, Mindray's innovative and exclusive respiration compensation technology - supported by a sensitive magnetic motion sensor with millimeter accuracy - can help eliminate distortion and fusion inaccuracy caused by patient respiration.

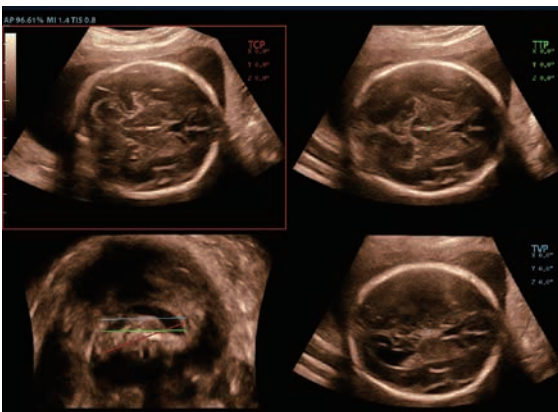


US and CT Fusion Imaging

## Smart Planes CNS

Migrating Mindray's exclusive pioneering technology from the premium series, the DC-80 with X-Insight provides fully automatic and accurate detection of the most significant planes and frequently-used measurements of fetal CNS, leading to an intelligent diagnosis, improved throughput, and reduced user dependency.

Smart Planes CNS is a user-friendly tool that greatly improves scanning efficiency through increased accuracy coupled with automated operation. With a simple button-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.

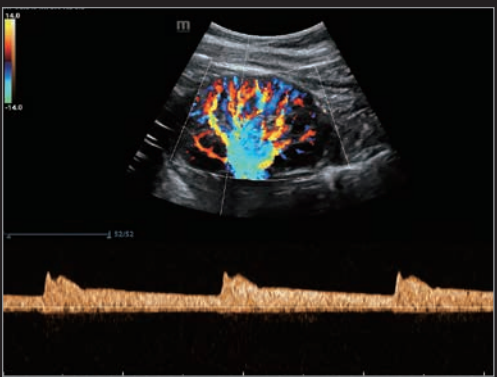


Smart Planes CNS (27Ws)

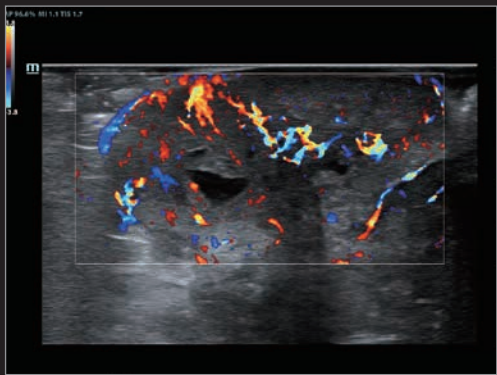
# Image Gallery



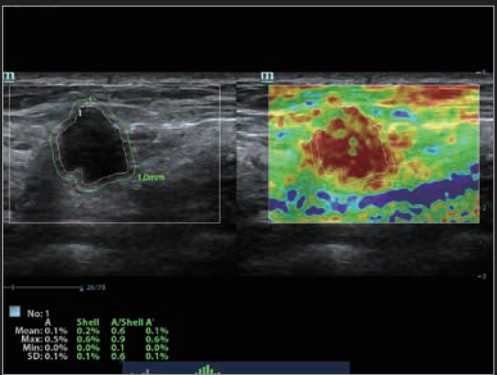
Gallbladder Polyp



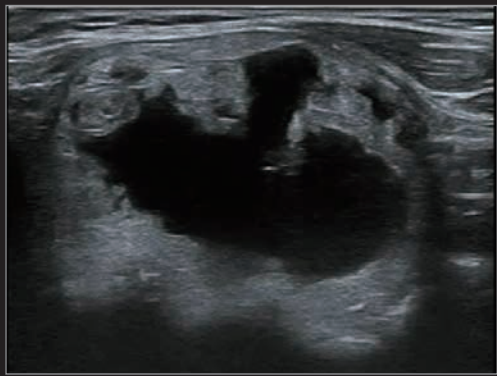
Duplex Kidney



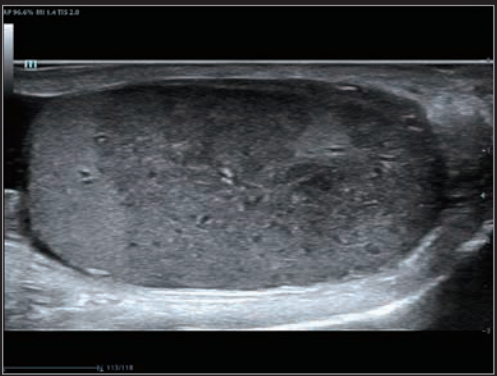
HR Flow of Breast Tumor



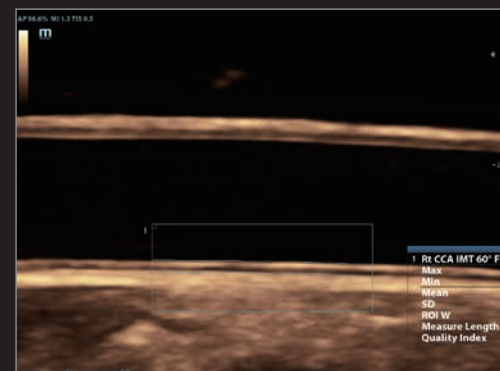
Shell Analysis of Breast Mass



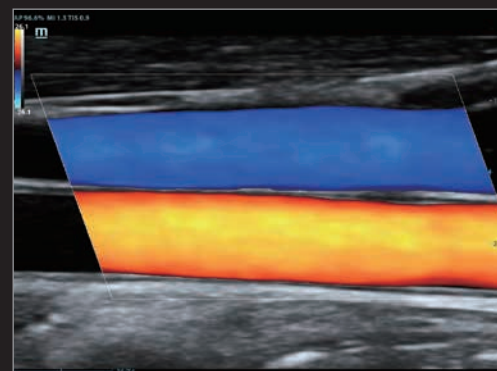
Thyroid Nodule



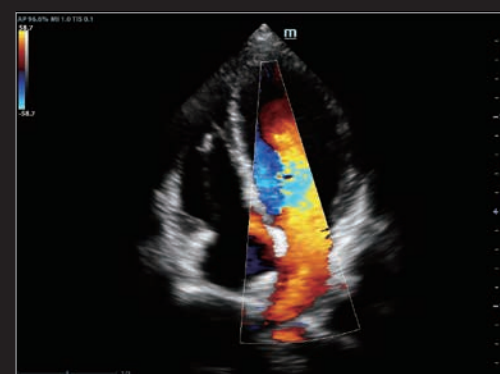
Testicle Infarction



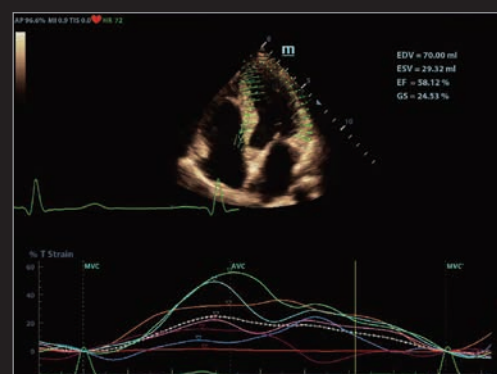
Auto IMT of CCA



CCA and Jugular Vein



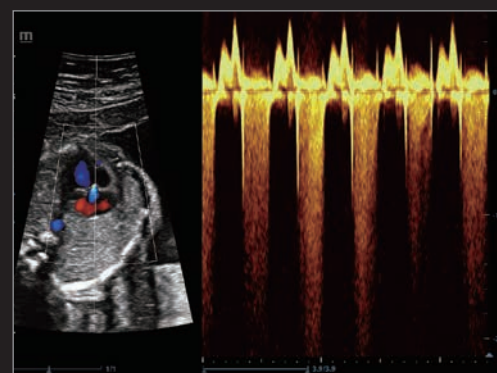
Four Chamber View



TT QA



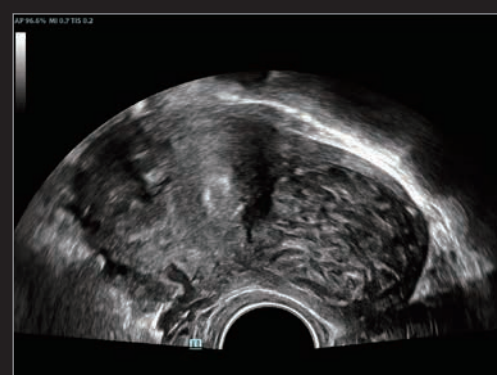
Polycystic Ovaries



Fetal Heart Tricuspid Regurgitation



Fetal Hydronphrosis



Fibroid

# eXceeding Experience

beyond your expectation

## Bigger Full-HD monitor

Higher resolution for better visualization  
More diagnostic information

## Unique dual-wing floating arm

Unlimited angle by floating design

## Ultra-slim and multi-gesture powered touch screen

Powerful gesture-based workflow beyond your expectation

## Built-in battery for continuous scanning

Better convenience and usability

## Up to 5 active sockets

Wide range of clinical applications with ease

