



DC-70 Exp

Diagnostic Ultrasound System

Quality Exams at Your Fingertips



mindray

healthcare within reach

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P/N:EHG-DC70EXP-285210X10P-20160923

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System overview

Good image quality is prime for a promising ultrasound. DC-70 Exp offers that and a lot more. Its unique touch gesture feature is designed to help improve workflow, provide you with ease and certainty, enabling you to put patient care first. The clarity, as a result of innovative 3T transducer technology with single crystal on DC-70 Exp, would help you detect abnormalities easily in technically difficult patients. Intelligent diagnostic tools including a number of auto measurement packages, would help you reduce scan time, standardize exam protocols, enhance productivity with added patient focus.

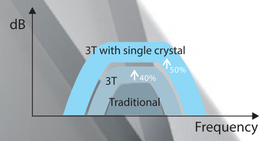
Innovative technology guarantees quality exams

Quality exams in terms of imaging and operation, is what sets the DC-70 Exp apart. Incorporating an optimum balance of advanced technologies and easy operation, DC-70 Exp would greatly enhance your experience for your daily clinical practice.

High performance transducers powered by Mindray's exclusive 3T transducer technology with single crystal, coupled with imaging technologies including echo-boost, 2nd generation HR Flow and highly user-centric operational techniques have allowed DC-70 Exp to be a workhorse addressing challenges faced by you while scanning under pressure.

3T Transducer Technology™ with Single Crystal

For higher diagnostic confidence, all transducers are equipped with Mindray's unique 3T transducer technology with up to 40% signal to noise ratio (S/N) improvement comparing with traditional technology. Further enhanced with the single crystal technology, DC-70 Exp provides better penetration, resolution and color dynamic flow with additional 50% S/N improvement. Particularly, the C5-1E and SP5-1E provide reliable performance for abdominal and cardiac scanning especially on difficult patients





Add smartness to your clinical practice

Obstetrics & Gynecology

Busy practices and departments require ultrasound systems providing dedicated technology coupled with ease of use, flexibility and reliability, offering a comprehensive range of solutions for routine obstetric and gynecological exams. Equipped with rich features including iLive, Depth VR, Smart FLC, Smart OB/NT and iPage, DC-70 Exp would provide you with timely access to quality ultrasound, essential in women's healthcare.

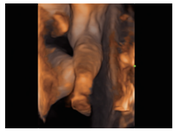
iLive ™ Obtain a revolutionary realistic view of the fetus

Integrating traditional ray casting algorithm with new virtual lighting modality, iLive generates amazingly realistic view of the fetus with human skin-like images.

Depth VR Enhance the volume rendering effect

Innovative new algorithm with depth information to generate more vivid volume rendering and much better three dimensional effect. Multiple depth tint maps can be chosen according to user's preference.


22 Weeks Fetus with iLive


Fetal Leg with Depth VR

Radiology

You need quality images every time you scan, no matter where you are. Whether it's visualizing vessels that have multiple velocities or minute vessels in the kidney, equipped with application specific dedicated solutions including natural touch elastography and UWN contrast imaging, DC-70 Exp with its highly unique interface makes it easy for you to scan patients.

Natural Touch Elastography

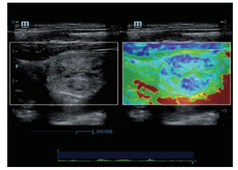
Based on Mindray's latest patented technology, Natural Touch Elastography reduces dependence on user's operation technique, improving operator's reproducibility for higher clinical utility.

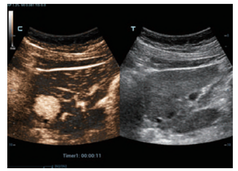
- Higher stiffness sensitivity
- Good stability and reproducibility

UWN Contrast Imaging

Mindray patented UWN CEUS enables DC-70 Exp to detect and utilize both 2nd harmonic and non-linear fundamental signals, generating images with significant enhancements:

- Higher sensitivity for minor contrast medium signal
- Longer agent duration at a lower MI


Thyroid Adenoma with Elastography


CEUS of FHN

Cardiology

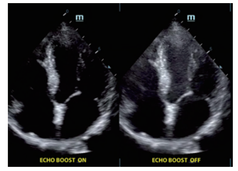
Besides hosting all the standard imaging tools for cardiology, DC-70 Exp also provides advanced clinical capabilities such as Tissue Doppler Imaging with Quantitative Analysis, Strain/Strain Rate and Stress Echo for highly dedicated clinical utility.

Echo Boost ™

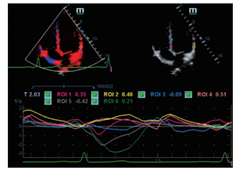
Unique signal processing technology with intelligent echo detection, Echo Boost is designed to utilize the native raw signals to enhance the weak echo signals while suppressing the surrounding clutter noise, providing you with a clearer chamber view enabling improved visualization of the myocardium tissue layers.

TDI and QA with Strain/Strain Rate

TDI functionality on DC-70 Exp allows you to quantitatively evaluate regional myocardium movement and global myocardium function, providing complete TDI modes for faster and direct diagnoses.



Echocardiography on Technical Difficult Patients


Strain Rate Based on TDI



Get more done faster

Gesture Sensitive Touch Screen

The smart 10.4 inch motion sensitive touch screen lets you do more than you ever imagined. Be it scrolling through images, shifting the image to and from the monitor, zoom in/out, measure or starting specific user-defined functions with a defined hand motion, the DC-70 Exp allows to get more done and much faster.

MedSight ™

DC-70 Exp lets you transfer clinical images and cine to your IOS or android powered smart device via an interactive app. It could be for a to-be-mother wanting to share the images of the fetus with her family or friends, it could be a training session or a discussion with your peers on a rare case, with MedSight you can now take the clinical examinations with you wherever needed.



MedTouch™

Size and physical distance now is no longer an obstacle. With MedTouch, a one-stop solution provides you with a smarter way to control the ultrasound device, access patient data and inbuilt tutorial software via your IOS or android operated smart device.



iWorks ™

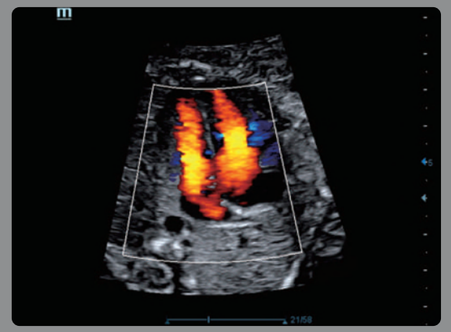
Take advantage of the inbuilt standard scan protocols and reduce the exam time by up to 50%. The highly flexible and powerful feature is further enhanced with user-define capabilities.

Auto Measure

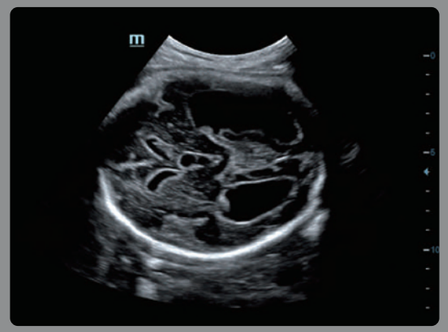
Range of application specific auto measurement packages including Smart OB, Smart NT, Smart-V, Auto IMT, Auto LV and auto PW trace & calculation.

Ergonomics

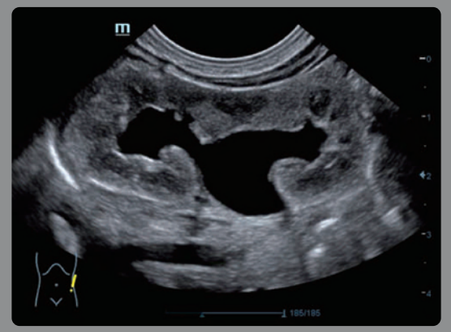




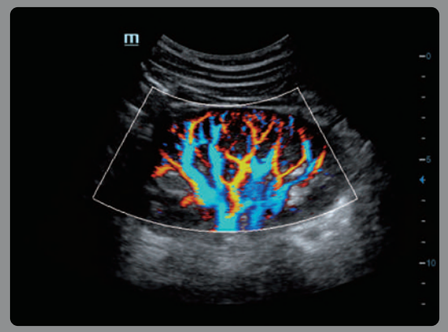
Color Flow of Fetal Heart



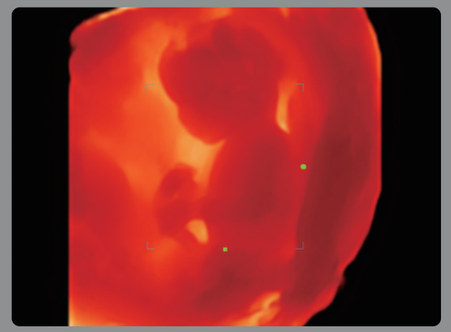
Fetal Ventriculomegaly



Dilated Renal Pelvis



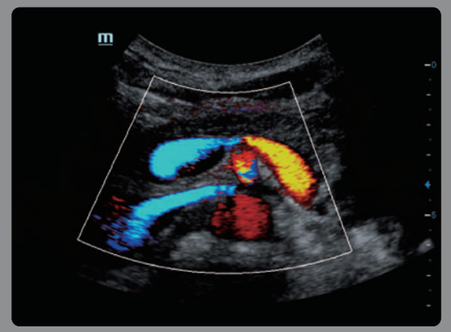
Color Flow of Kidney



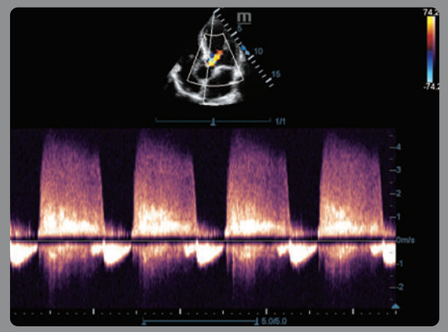
14-Weeks Fetus with iLive



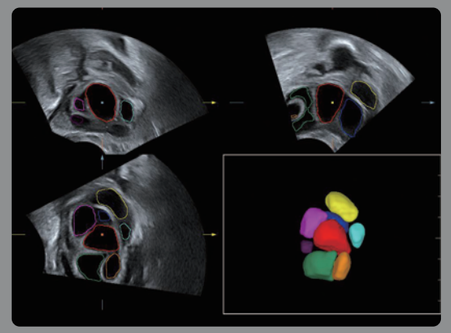
3D Fetal Face with Depth VR



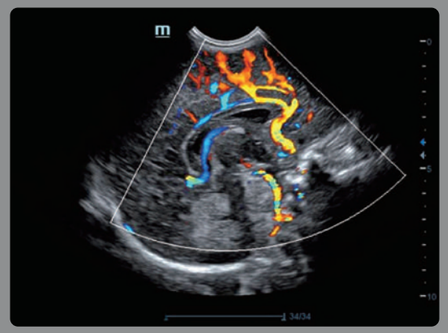
Abdomen Color Flow



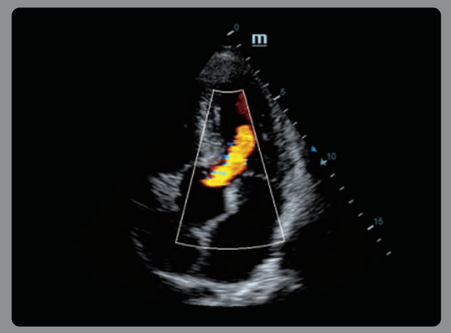
CW of Aortic Regurgitation



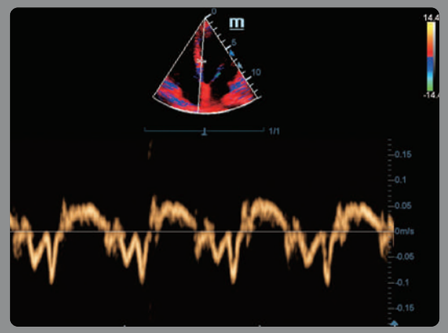
Smart FLC



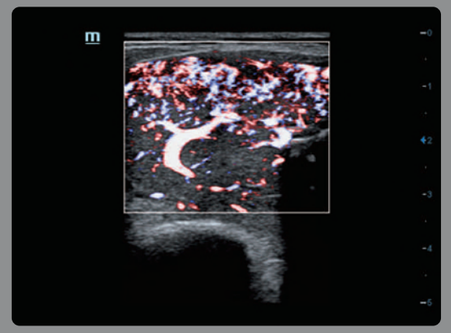
HR Flow of Fetal Head



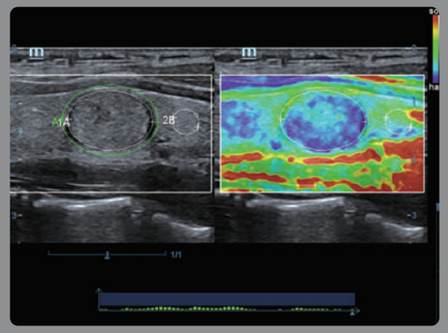
Color Flow of Aortic Regurgitation



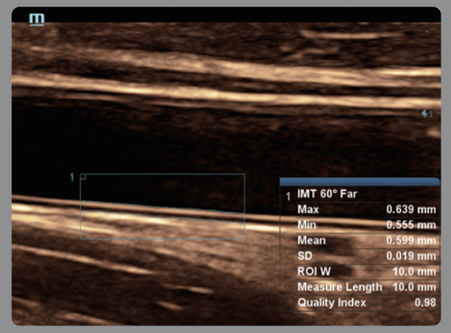
TDI PW of Ventricle Septum



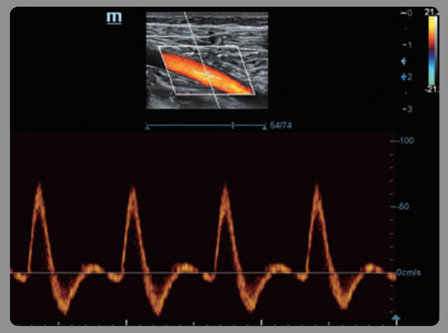
HR Flow of Hyperthyroidism



Shell Analysis of Thyroid Nodule



Auto IMT of CCA



PW of Popliteal Artery