

DC-6

Diagnostic Ultrasound System

MINDRAY



MINDRAY™

Mindray Building, Keji 12th Road South, High-tech Industrial Park,
Nanshan, Shenzhen 518057, P. R. China
Tel: +86 755 2658 2888 2658 2492 Fax: +86 755 2658 2680
E-mail: intl-market@mindray.com Website: www.mindray.com



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DC-6 NEW

Diagnostic Ultrasound System



Advanced Imaging Technology

DC-6

Diagnostic Ultrasound System

MINDRAY is proud to introduce DC-6, a color Doppler ultrasound system for general applications. DC-6 incorporates the latest digital ultrasound image processing technology and provides advanced clinical solutions. DC-6 creates an interactive process connecting sonographers, patients, transducers and instrument. The ergonomical design and powerful hardware greatly increase diagnosis accuracy and efficiency.



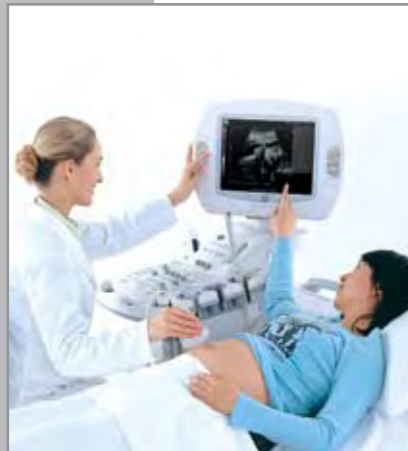
Benefiting from MINDRAY's advanced image process technologies, DC-6 provides brilliant color Doppler images and precise anatomical 2D imaging.

- **Powerful Multi-beam Parallel Imaging (MBP)** increases temporal resolution and real-time frame rate, while collecting useful information to re-build high quality images.
- **Fine Tissue Optimization (FTO)** eliminates noise, improves signal-to-noise ratio and emphasizes boundary imaging.
- **Transmitting Spectrum Focusing (TSF)** greatly decreases side lobe while improving spatial and temporal resolution.
- **Innovative Transmitting Apodization (ITA)** minimizes artifact through specific apodized transmission, reducing near-field clutter and enhancing precise sound beam for more predictable results.
- **Accurate Vessel Imaging (AVI)** automatically distinguishes subtle tissue Doppler signal from blood cell to form high resolution images.



Professional Clinical Application

DC-6 offers excellent performance and versatility through a complete range of imaging mode, software packages and transducers. The system has been expanded to wider and more professional applications with features such as Smart3D, iScape panoramic imaging, Xros anatomic M mode, trapezoid imaging and so on.



- CW continues wave Doppler —Expand hemodynamic diagnosis to professional cardiac application, especially congenital heart diseases, offering more clinical accuracy and reliability.
- Smart3D—Upgrade diagnostic capabilities to view more, analyze more and diagnose more with added confidence.
- iScape panoramic imaging— Extend to a wider field of vision for more clinical information, such as the whole thyroid or a big mass display.
- Xros anatomic M mode— Provide anatomically precise observation and measurements regardless of orientation.
- Trapezoid imaging— Offer trapezoidal field of vision to enlarge the view angle of linear imaging.
- Harmonic imaging, intraoperative ultrasound, ultrasound guided biopsy, ECG module
- AVI/DICOM/CIN format cine, M/PW cine save, editable cine, multi-image review

Various transducers:



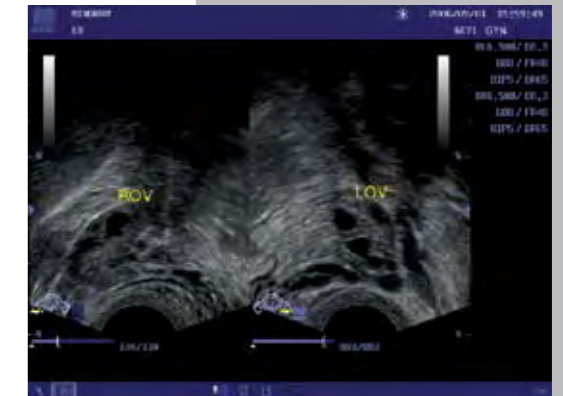
Hepatic vein



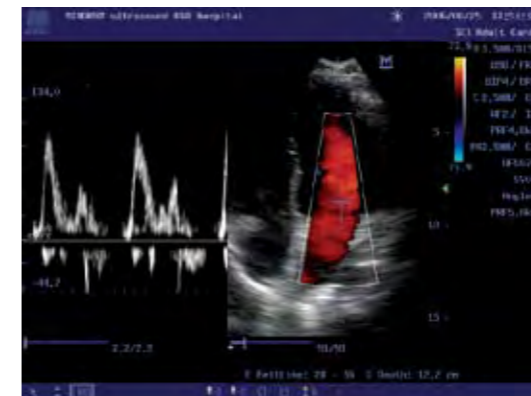
Fetal heart



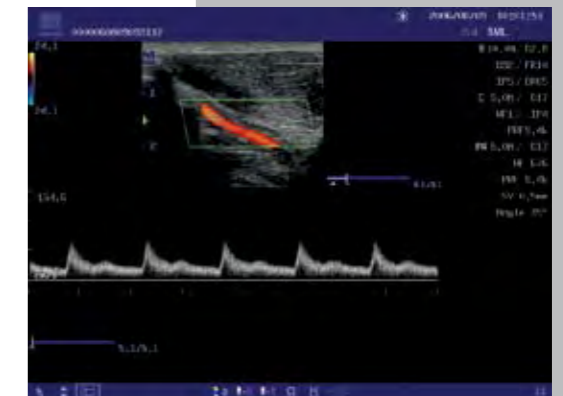
Early pregnancy



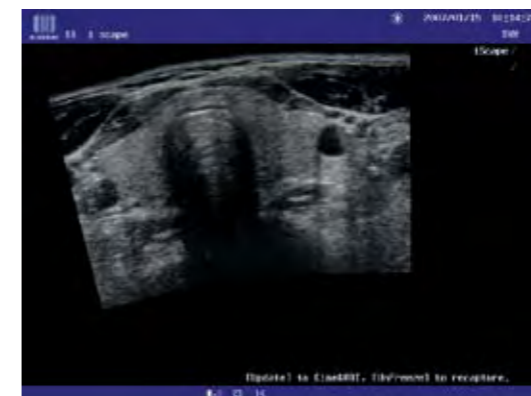
Ovary



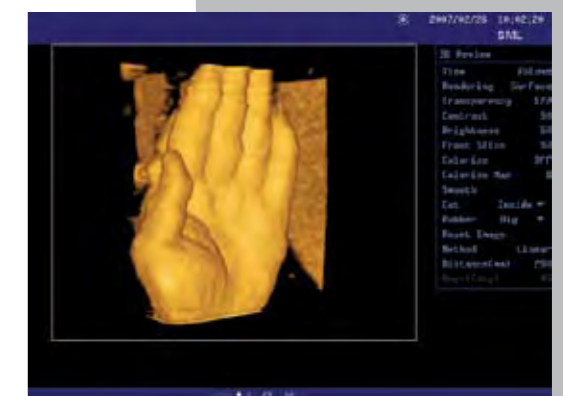
Mitral flow



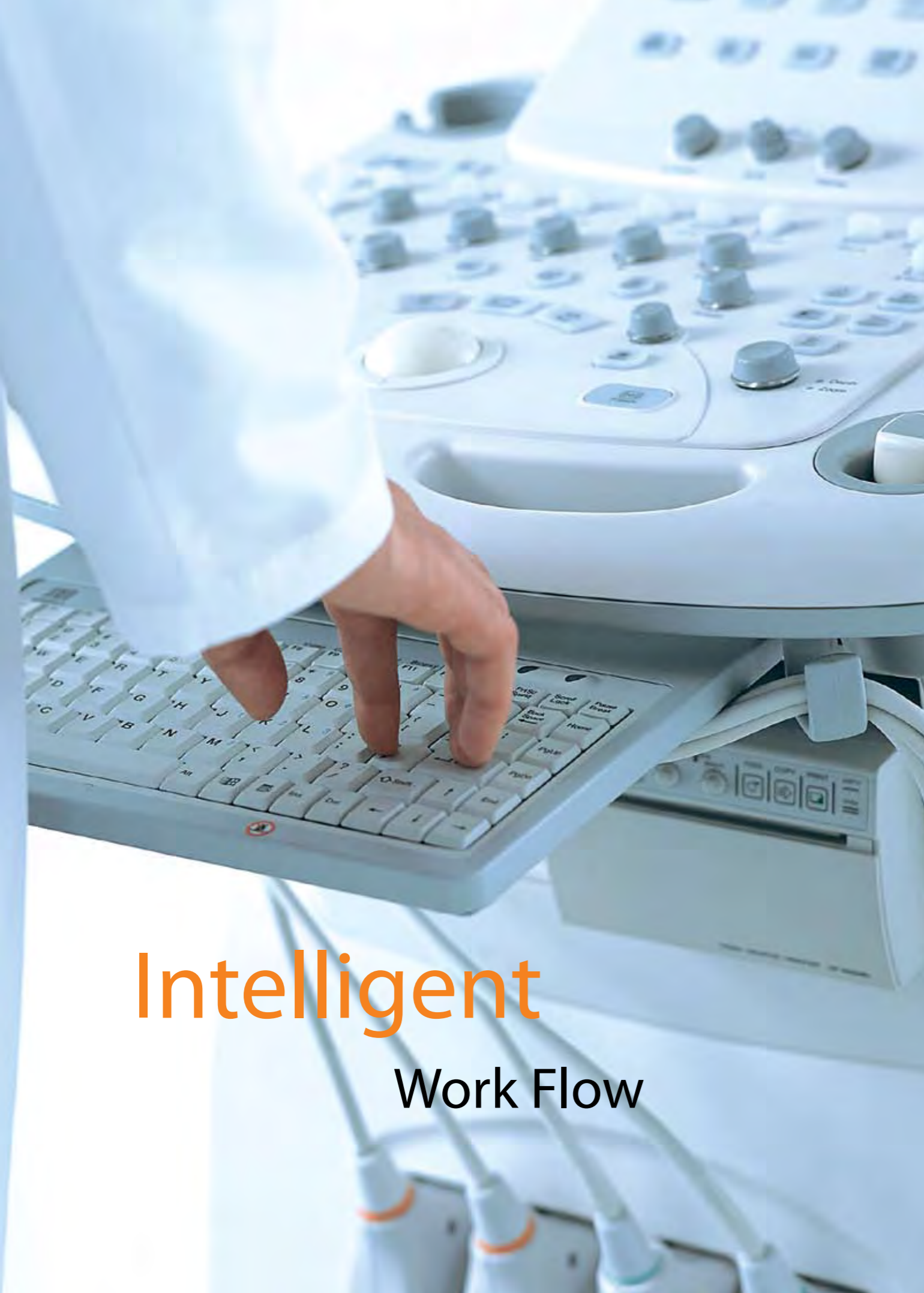
Peripheral vessel



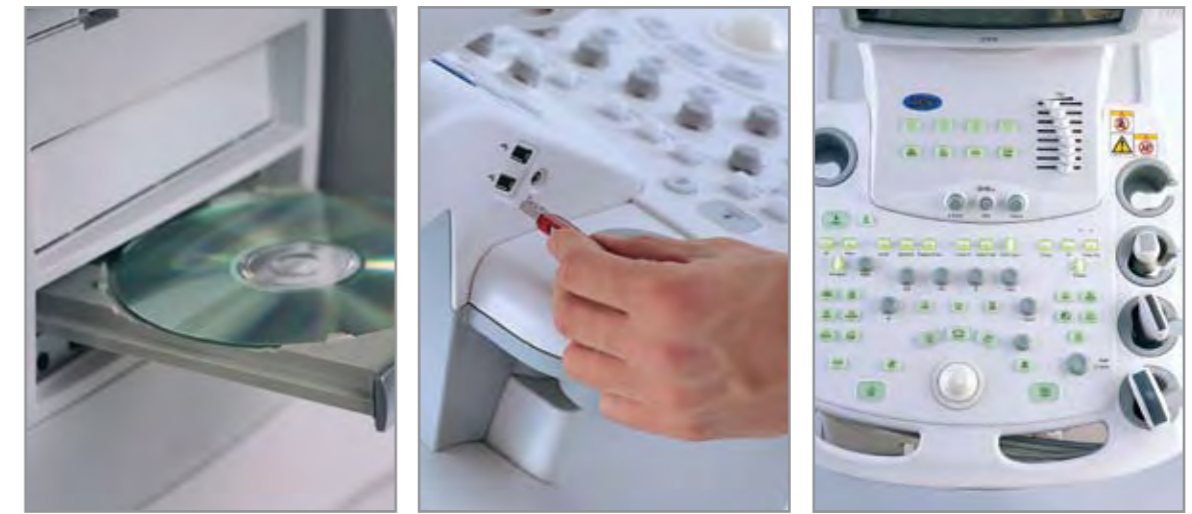
Panoramic thyroid



3D Hand



Intelligent Work Flow



DC-6 offers more ergonomic benefits. With a user-friendly interface, DC-6 integrates easy image optimization solutions such as iTouch and IP. The upgraded patient information management system, iStation, creates more convenience and efficiency. Doctors can easily store, edit, review and search patient information.

- User-programmable calculation & measurement function—users can set up calculation and measurement formula according to their specific clinical needs and define new studies for special exams.
- Regional Acoustic Zoom (RAZ)—real magnification of the details; higher resolution and frame rate on the region of interests; more confidence on your inspection and diagnosis.
- iTouch automatic image optimization—simplify the exam procedure, reduce repetitive adjustment and increase diagnostic efficiency and confidence with one button touch for an optimized image.
- iStation—intelligent patient information management platform
- Active screen adjustment—change the imaging parameters directly on monitor screen
- Operation Navigation—guide for an effort-saving and reasonable exam
- CD-RW, USB ports, DICOM, Video recorder
- After-scanning analysis system
- Thumbnail automatic image browser
- Multi-language package
- Ergonomic key board layout and user-define buttons
- System Hibernation—environmental friendly and energy saving