M9

Premium Hand-Carried Ultrasound System



Portable | Premium | Precise

mindray

healthcare within reach

Best of Performance and Portability

Healthcare continues to mature and so does the needs of medical practitioners. Addressing the most critical issues faced within ultrasound scanning, the new M9 hand-carried ultrasound system by Mindray, is developed with a prime focus on difficult patients.

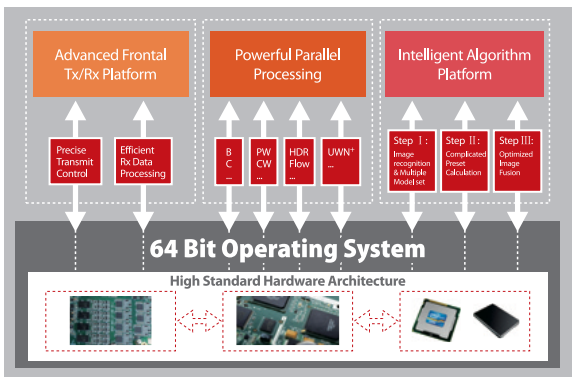
No longer you need to sacrifice performance for portability. Combining advanced features only to be found in heavy cart based systems into a compact portable system, M9 is the industry's most advanced premium level laptop style colour Doppler offering easy handling and mobility.

Rich in technology such as the 3T transducer with single crystal, HDR Flow (High Dynamic Range Flow), UWN^{+} Contrast imaging (Ultra-Wideband Non-linear Plus) and Natural Touch elastography, M9 offers an added advantage of being able to utilise all the features at bedside, proving to be the ideal shared-service solution suitable to be used within multiple clinical settings.



Technology at an all new level

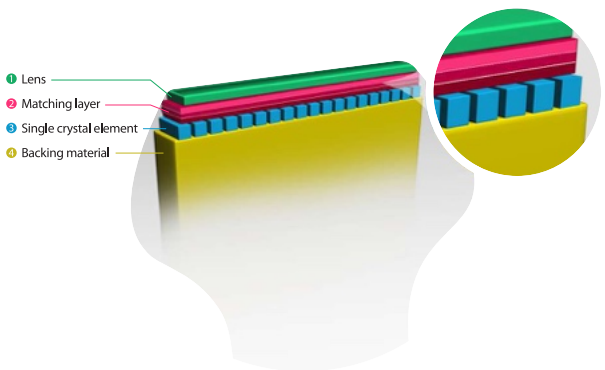
With Mindray's new generation ultrasound platform, mQuadro, M9 has raised the industry standards to an all new level. Advanced signal transmission and reception processors provide highly sensitive and accurate echo detection. Innovative transducer technologies allow for better penetration, higher resolution, greatly enhancing diagnostic experience.



mQuadro Ultrasound Platform Structure

New Generation Ultrasound Platform

Mindray's new generation ultrasound platform, mQuadro consists of intelligent algorithm, powerful parallel processing, advanced transmission and reception, and industry leading hardware architecture, making M9 capable of delivering premium-level imaging coupled with advanced analysis and post processing functionalities.



3T Transducer Technology™

3T Transducer Technology ™ with Single Crystal

Providing sharper images, all probes compatible with the M9 come equipped with Mindray's unique 3T transducer technology. Enhanced with the addition of single crystal technology, M9 offers better penetration and color dynamic flow, especially during difficult-patient scanning.

Versatile
with a unique focus

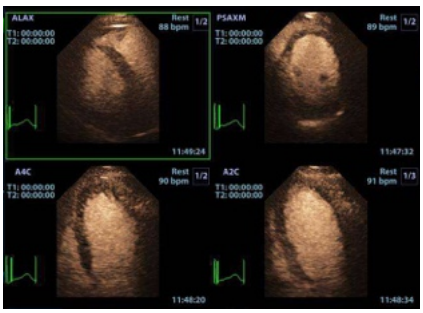
Extending its premium capabilities to the most demanding applications, M9 is a versatile system equipped with highly focused features for dedicated usability.

Cardiovascular

LVO with Stress Echocardiography

M9's premium capabilities allow LV opacification during stress, enhancing discrimination between myocardial tissue and blood pool, providing better visualization of the endocardium.

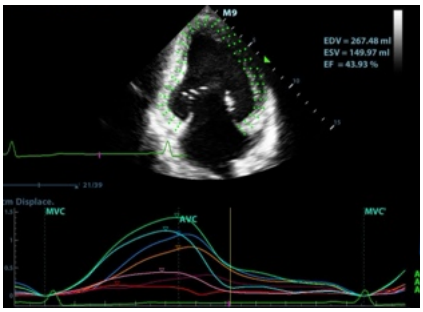
- Customisable user protocols
- Large capacity for retrospective and continuous clip capture
- Flexible Wall Motion Scoring
- Comprehensive reporting package



LVO with Stress Echo

Tissue Tracking with Quantitative Analysis

Supported by Mindray's unique 3T technology with single crystal, M9 significantly improves the tracking accuracy and effectiveness. With added unique benefit of on-site analysis, the TT-QA can be performed at bed side, saving time and simplifying challenging outcomes.



TT-QA

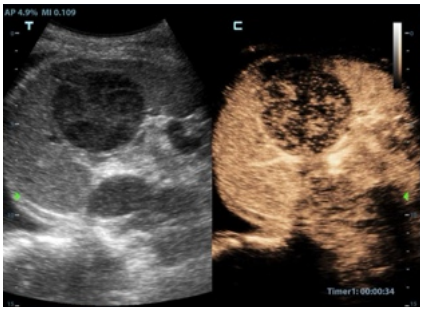


Radiology

UWN+ Contrast Imaging (Ultra-Wideband Non-linear Plus)

M9's biggest advantage lies in its ability to be able to support Mindray's patented technology to enhance contrast imaging capability. UWN+ contrast imaging enables M9 to detect and utilize both 2nd harmonic and non-linear fundamental signals, generating images with significant enhancements.

- More sensitive minor signal
- Longer agent duration with lower MI

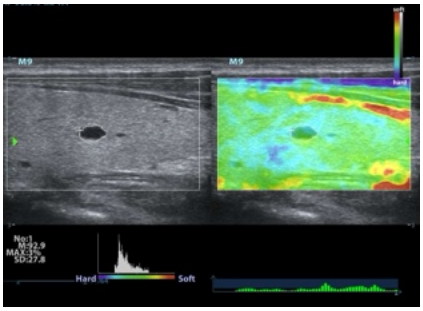


Spleen Lymphoma Contrast Imaging

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.

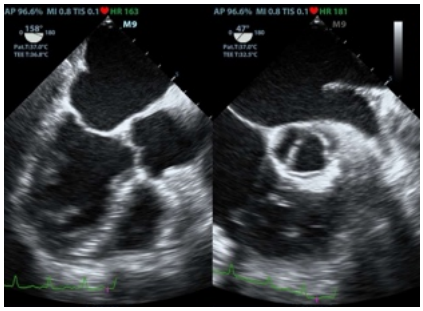
- Higher stiffness sensitivity
- Good stability and reproducibility



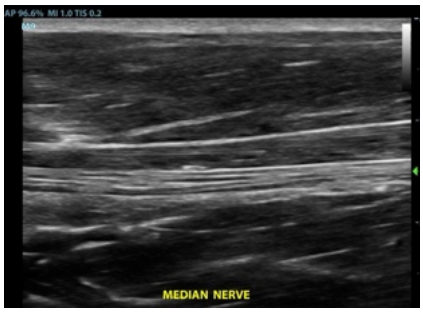
Elastography Histogram



Critical Care | Emergency | Anaesthesia



TEE



Median Nerve

Critical Care

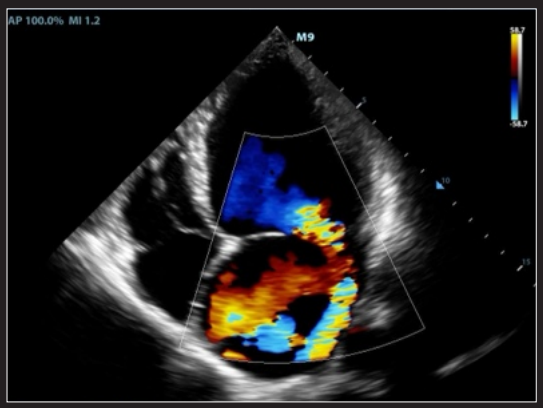
M9's premium, rapid and precise detection capabilities make it an excellent choice for critical patient examinations in the ICU. TEE probe compatibility and complete biopsy solution satisfy the most demanding requirements within Critical Care.

Emergency

With premium performance, fast and accurate measurements, M9 can be well trusted and depended upon for immediate patient care decisions. High portability, long battery-operated scanning, and special emergency package such as FAST, make M9 an ideal partner during emergent situations.

Anaesthesia

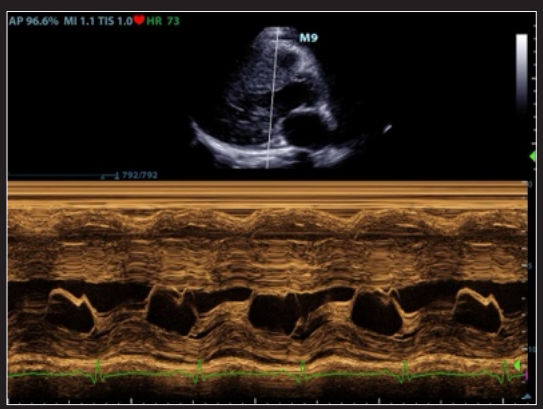
With its compact size and advanced features including iZoom^{TM} ,TEE probe, and dedicated nerve exam presets, M9 is an ideal system for nerve block and intraoperative monitoring. M9's intuitive workflow makes its operation easy for anaesthesiologists.



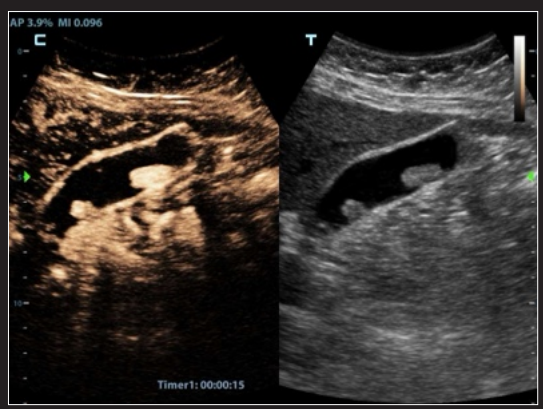
Four Chamber View of Regurgitation



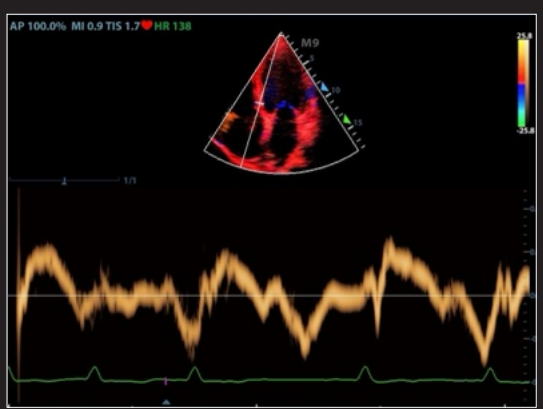
Hepatic Hemangioma



M Mode of Mitral Valve



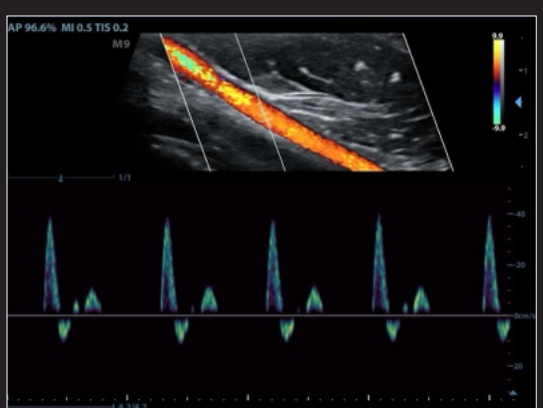
UWN+ Contrast Imaging



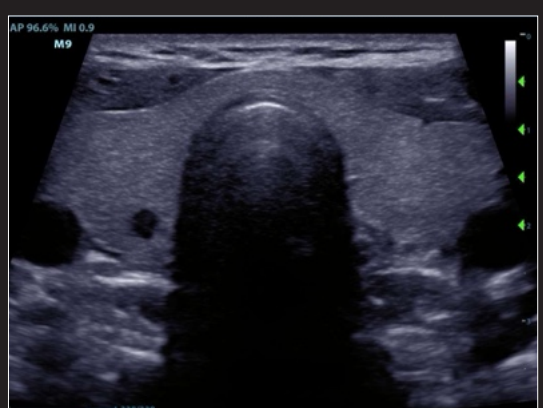
Tissue Doppler Imaging



Hydrocephalus



Radial Artery Flow



Thyroid

Easy Mobility

M9's highly mobile, slim and smart design permits easy transportation and storage. Be it cart or table mounted, M9 can be used limitlessly across multiple clinical scenarios.



Innovative Crafted Unit

- Thin Magnesium-alloy body
- 15.6" LED HD monitor with slim design
- Built-in battery providing 90min scanning time
- High capacity SSD Hard drive make patient data more safe

Customised Special Design Trolley

- Inbuilt quick & easy locking system
- iPower: over 3.5 hours scanning with trolley mounted battery pack

Green All The Way

- Noiseless system
- Automatic brightness adjustment
- Reliable RoHS certified materials

Intelligent

Auto Measurements

Auto measurements providing intelligent workflow and improved uniformity (Auto LV, Auto IMT, Auto PW Trace)

iZoom™

One key for full sreen view

iTouch™

One key image optimisation



Efficient

User-Defined operation

Customised user-defined keys for quick measurements

Multi-function key

One key multitask setup functionality for quick system operation

iStation™

Efficient patient-data management system

Simple

iWorks

Standardised workflow reducing exam time by up to 50%
Flexible and powerful with user-define capability

Q-SAVE

Convenient to save customised image presets and parameters



Direct

MedSight

Direct data transfer between M9 and Apple powered smart device

DICOM/HL7

Full DICOM and HL7 compatibility



Portable | Premium | Precise

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