

TE9

Diagnostic Ultrasound System

Expanded vision, unlimited possibilities



www.mindray.com

P/N: ENG-TE9-210285X8P-20210625

©2021 Shenzhen Mindray Bio-Medical Electronics Co.,Ltd. All rights reserved.

mindray

healthcare within reach

The TE9 Ultrasound System is designed to help facilitate better patient care and expand the imaging capabilities for anesthesia, emergency, and critical care applications.

With advanced features, a large touchscreen, and superior imaging technology, the TE9 is ideally suited to help improve clinical efficiency and diagnostic confidence. The comprehensive disinfection capabilities enable a quick turnaround time between exams to make every second count. Additionally, smart automation tools provide clinicians with rapid, reproducible measurements for confident exams and procedures, even in fast-paced environments.

Quick and Clear Diagnoses

Superior imaging and transducer technology enable quick and precise diagnoses in various clinical scenarios. With a 21.5" high-definition screen, clinicians have a clear and confident view from anywhere in the exam room.

Smart and Efficient Workflow

Smart automation tools such as Smart IVC (Inferior Vena Cava), Smart VTI (Velocity Time Integration), Smart B-Line, Auto GA (Gastric Antrum), and Smart FHR OB1 (Fetal Heart Rate in the first trimester), can help boost exam efficiency and reproducibility.

Innovative Design

The system is designed with an innovative ergonomic design, a comprehensive disinfection solution to provide ideal clinical utility.

Seamless Connectivity

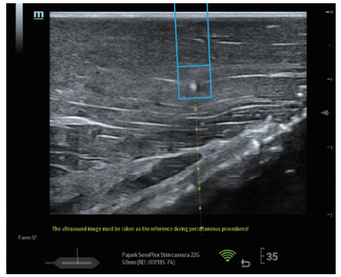
The eGateway seamlessly connects the TE9 to the hospital's network, enabling clinicians to easily and securely access patient information and send exam's information, images, and reports to the EMR system.

Anesthesia and Perioperative Solutions

The TE9 incorporates advanced technologies and features to improve patient safety and treatment efficiency throughout the perioperative period. These solutions include the Safe Puncture Solution for needle trajectory and visualization, the Gastric Volume Evaluation Solution to evaluate the risk of regurgitation and aspiration, and the Comprehensive Disinfection Solution for enhanced patient safety. These features all help reduce risks for patients and save time during the perioperative period.

eSpacial Navi

eSpacial Navi offers 4D magnetic needle navigation technology that delivers enhanced needle visualization and location during in-plane or out-of-plane procedures. During interventional procedures, the needle tip and trajectory are visualized, allowing for improved clinicians confidence and patient safety.



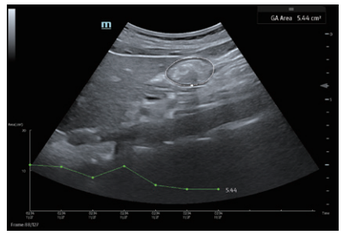
eSpacial Navi for out-of-plane procedure

iNeedle

Advanced needle visualization technology enables increased needle visibility, even during steep-angled procedures, while maintaining superior image quality. It allows users to have improved confirmation of needle location in tissue to minimize harm to surrounding tissue.

Auto GA

Auto GA automatically identifies the edge of the gastric antrum and calculates the area with a single tap on the screen, which is helpful to the evaluation of gastric content.



Auto GA with trending graph

Comprehensive Disinfection Capabilities

The TE9 offers a complete and high-level disinfection solution that adheres to strict international standards.

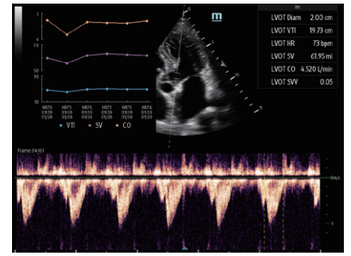
- The seamless and non-porous touchscreen design prevents residue buildup from cleaning and disinfection and stops disinfectants from leaking into the machine.
- The high-quality, durable materials in the TE9 make it compatible with a wide range of disinfectants.
- Screen auto-lock disables function for 10 seconds during screen cleaning and disinfection.
- Z-tracking transducer tracking technology allows users to attach each transducer used during an exam to the patient's medical record to trace the contact and disinfection/sterilization record.

Emergency and Critical Care Solutions

The TE9 boasts a wide range of comprehensive tools that help clinicians quickly and accurately evaluate patients' conditions at the bedside, in an OR, or on the move. With a comprehensive suite of Smart Tools, such as Smart VTI, Smart IVC, and Smart B-Line, clinicians can quickly evaluate a patient's key vitals. In addition, the TE9 is equipped with OB Smart Tools like Smart FHR OB1, for expecting mothers. These advanced tools enable clinicians more freedom to treat patients in critical condition.

Smart VTI

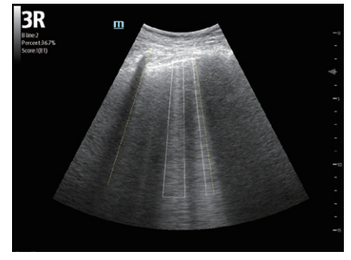
Automatic Velocity Time Integral and Cardiac Output (CO) measurements enable rapid cardiac function assessment. This software automatically locates Pulse Wave (PW) Doppler sample line in real-time. A graph of parameter trends for CO, Stroke Volume (SV), and VTI is displayed to demonstrate patients' condition intuitively.



Smart VTI with trending graph

Smart B-Line

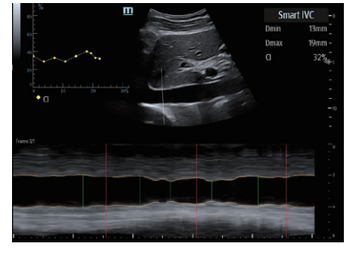
Enables rapid assessment of lung tissue by automatically counting the number of B-Lines and percentage of B-Lines. It also provides visual scoring map for intuitive overall lung water evaluation, guiding the fluid infusion.



Smart B-Line

Smart IVC

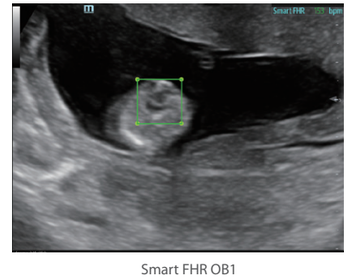
Automatic measurement of IVC helps assess volume status and guides fluid management. A trending graph records the change in collapsibility index (CI) and distensibility index (DI) to document fluid response over time.



Smart IVC with trending graph

Smart FHR OB1

With one tap, provide the real-time fetal heart rate in the first trimester. This B-mode imaging technology requires less energy and provides a safe and efficient evaluation for fetal heart conditions.



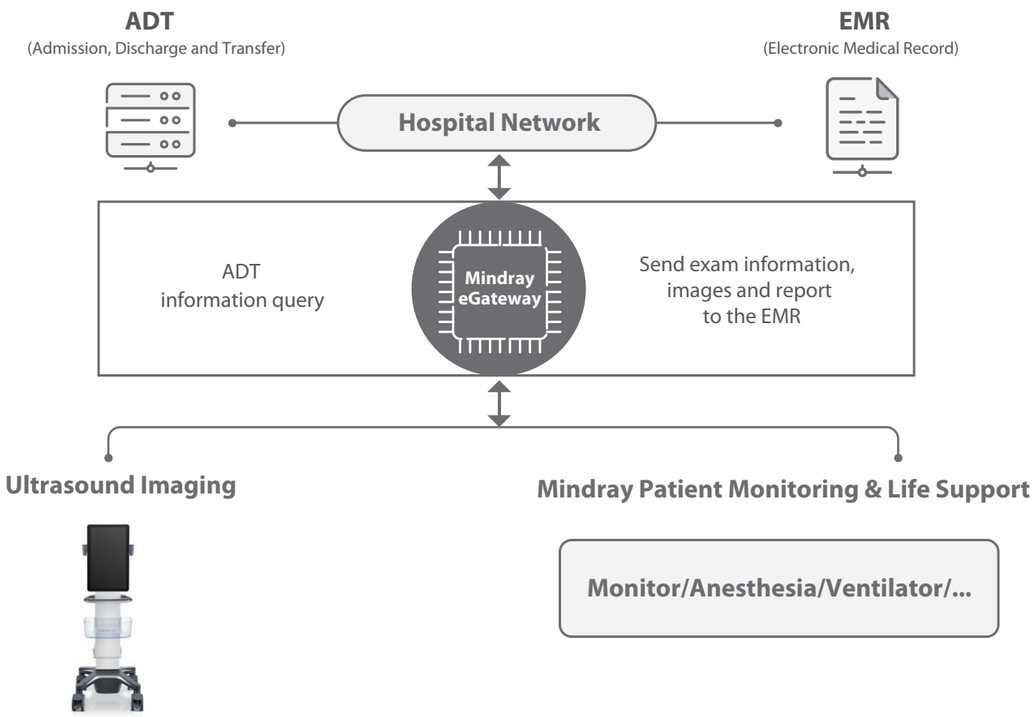
Smart FHR OB1

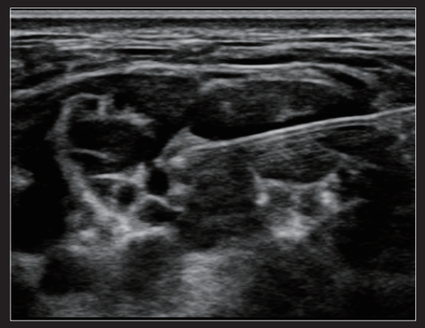
Exceptional Design for an Extraordinary Experience

- Three transducer connectors for various exam types
- Built-in battery allows for up to two hours of continuous scan time
- Wifi-enabled
- Dedicated cable management to avoid transducer damage
- Retractable cord to reduce tripping hazards and contamination
- iVocal innovative voice command

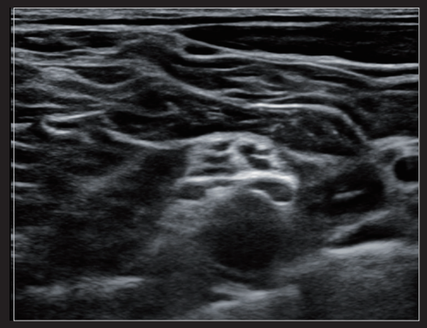
Seamless Connectivity

Mindray's eGateway connectivity solution enables the TE9 to seamlessly connect to your hospital's network to integrate patient's clinical data collected from the ultrasound system and patient monitor for streamlined clinical decision making. Patients can be admitted with ease, and clinicians can transfer their information, diagnostic images, and reports to the EMR system. This paperless process improves efficiency, productivity, and workflow while reducing the risk of transcription errors.

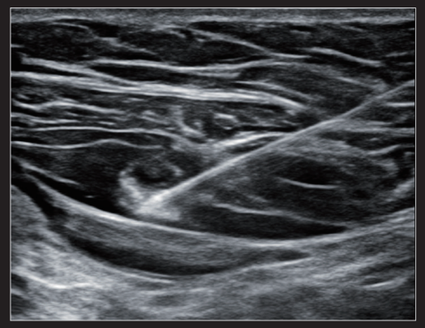




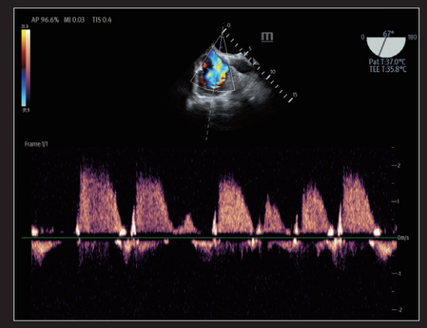
Brachial Plexus (interscalene) Block



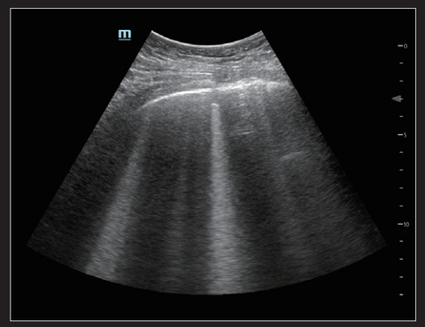
Brachial Plexus (supraclavicular)



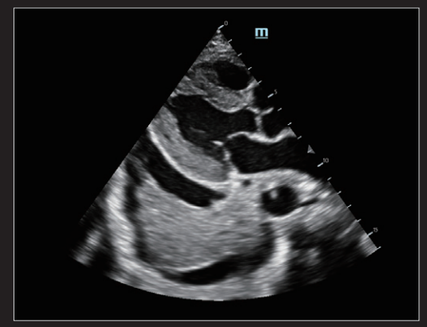
Serratus Anterior Block



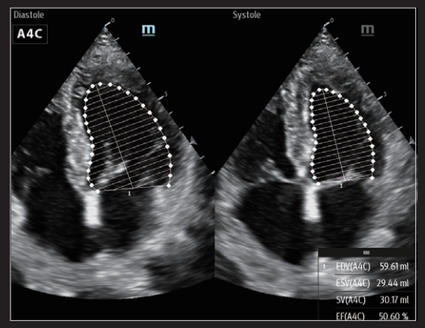
Mitral Regurgitation (TEE)



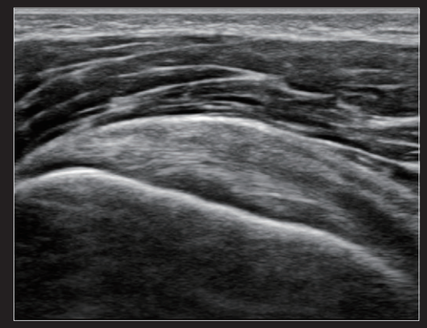
B-lines



Pleural Effusion



AutoEF



Supraspinatus Tendon


Smart IVC
UnFreeze
Save Image
Save Clip