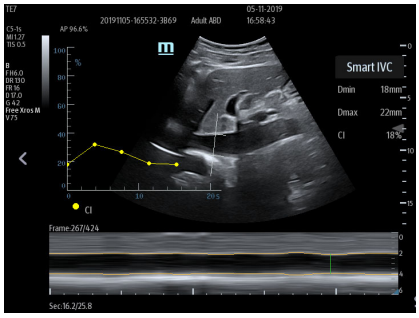
TE7
Ultrasound System
Emergency Medicine

Crystal Series 2.0

Intelligent Design to Elevate Outcomes

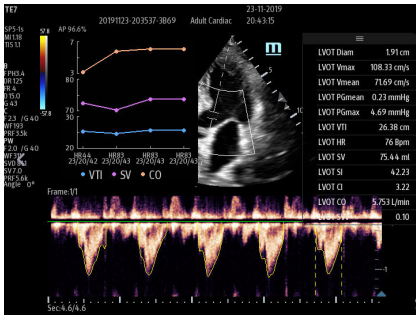
The emergency medicine environment presents many challenges for clinicians who are often delivering patient care under extreme conditions. To combat these challenges, innovation must take center stage to help improve patient throughput and elevate outcomes. The TE7 Ultrasound System Crystal Series 2.0, equipped with artificial intelligence (AI) powered smart tools, a sealed user interface and advanced cardiac capabilities like transesophageal echocardiography (TEE) provides clinicians with the tools they need to assess patients quickly and reliably at the bedside.

Smart Tools Powered by AI



Smart IVC

Automated measurement of Inferior Vena Cava (IVC), helps assess volume status and guides the fluid management. A trending graph documents the change in collapsibility (CI) and distensibility (DI) to document fluid response over time and guide therapy.



Smart VTI

Automated measurement of the Velocity Time Integral (VTI) and Cardiac Output (CO), enables rapid assessment of cardiac function. This software automatically locates color box and Pulse Wave Doppler (PW) sample line in real time. A graph of parameter trends for CO, Stroke Volume (SV) and VTI is produced to guide decision-making.

mindray

Clinical Certainty Within Reach

eSpacial Navi™

eSpacial Navigation™

4D magnetic needle navigation technology delivers enhanced needle visualization and location during in-plane or out-of-plane procedures for improved physician confidence and patient safety during interventional procedures.

TEE Imaging

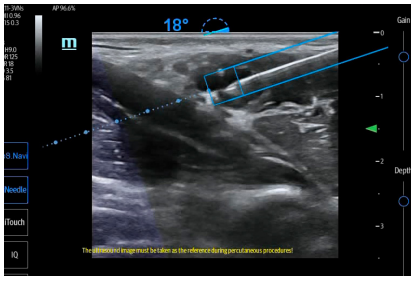
Transesophageal Echocardiography

With the increased demand for advanced imaging capabilities in the point-of-care setting, the TE7 System delivers a complete mobile solution for TEE at the bedside.

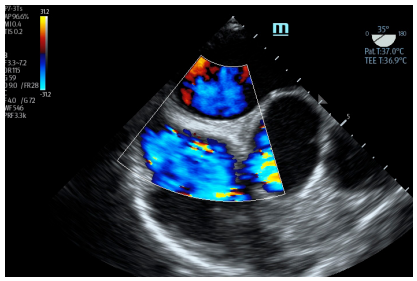
UWN+ CEUS

Ultra-Wideband Non-Linear CEUS

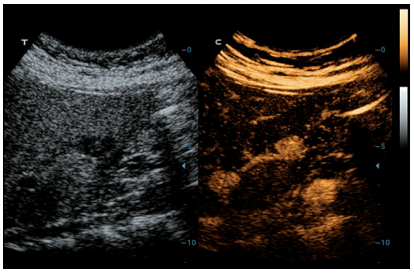
Mindray's second generation Ultra-Wideband Non-Linear (UWN+) contrast enhanced ultrasound (CEUS) imaging uses both harmonic and fundamental signals to improve contrast and temporal resolution during CEUS studies.



Brachial Plexus



Atrial Septum

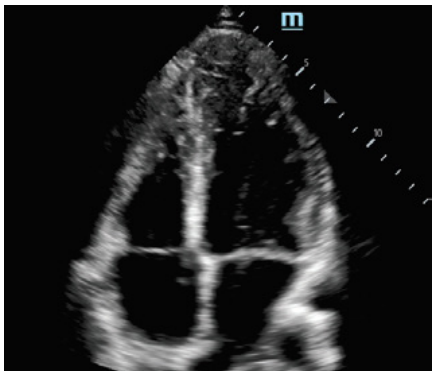


Liver

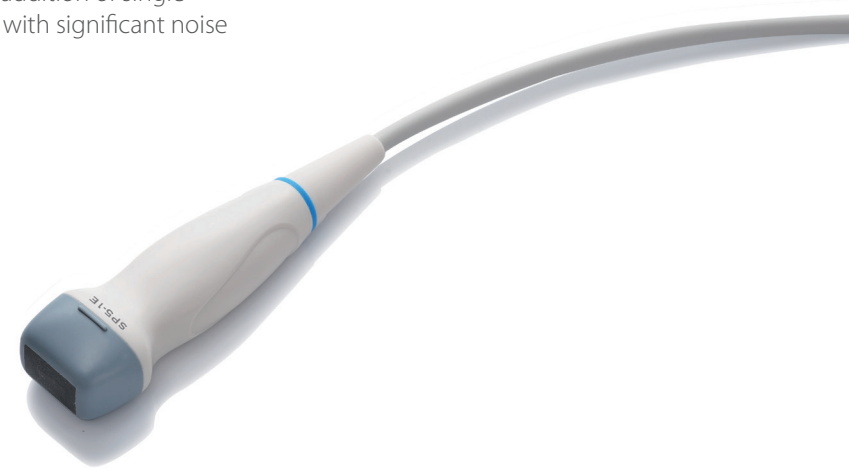
Single Crystal Transducer

Single Crystal Transducer

Single Crystal Transducer with 3T™ Technology enables better penetration, higher resolution, and increased image uniformity. Enhanced with the addition of single crystal technology, this transducer offers improved penetration with significant noise reduction, especially for technically difficult exams.



4 Chamber Apical Scanned with Single Crystal



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