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TE7 ACE

Diagnostic Ultrasound System

Dedicated Solution for the Pioneer of Care



Simple | Smart | Focused



www.mindray.com

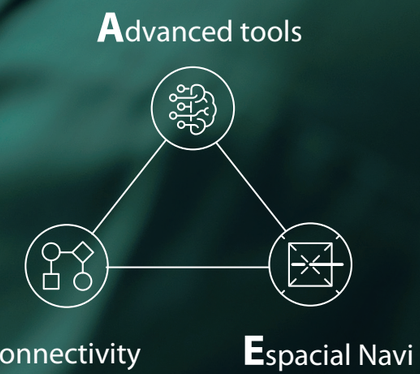
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healthcare within reach

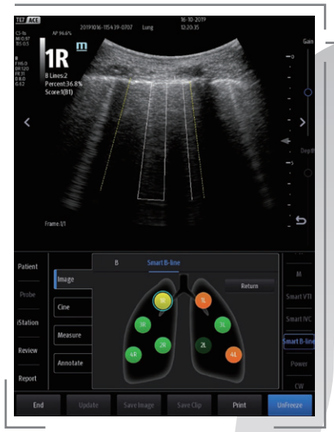
Striving for better patient care, and seeking out the best solution for rapid decision is essential for clinicians. With smart fluid management tools, safe needling toolkit, a complete disinfection solution, and superior quality imaging, the Mindray TE7 ACE is designed to cover the Anesthesia, Critical Care and Emergency applications. Ready for care anytime and easy to learn and use, it can help clinicians to face all challenges of high quality medical services with confidence. For the first time, TE7 ACE as an ultrasound can be connected seamlessly into your clinical network with other equipment together.



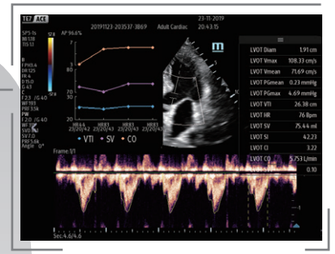
Smart Fluid Management

Precise fluid management is vital for most critical patients. Quick assessment can help to adjust fluid therapy plan and save lives. Ultrasound, as a real-time, fast, non-invasive tool, provides clinicians with important references for fluid management. TE7 ACE's advanced tools Smart IVC, Smart VTI and Smart B-line provide more diagnostic information for fluid management accurately and efficiently, ensuring clinicians with more confidence to focus on patient care.

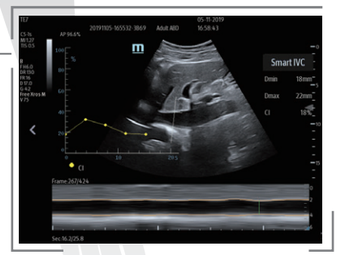
The **Smart B-line** automatically calculates B-lines number, percentage, and distance. It provides unique visual scoring map for intuitive overall lung water evaluation, guiding the fluid infusion and preventing pulmonary edema.



The **Smart VTI** automatically calculates the VTI (Velocity Time Integral), CO (Cardiac Output) and SVV (Stroke Volume Variation). The trending graph helps for efficient recording and guides for the fluid therapy.



The **Smart IVC** automatically traces the IVC diameter change, and calculates the CI (Collapsibility Index) or DI (Distensibility Index) and IVC Variation, helps for volume status and responsiveness assessment.



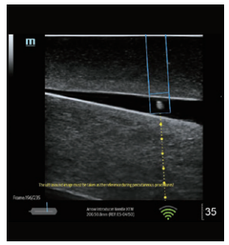


Safe Needling Toolkit

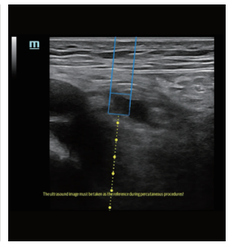
Using ultrasound guidance to visualize the needle during procedures is a smart choice for the Pioneer. The TE7 ACE delivers the optimal solutions for better identifying the needle track and needle tip, such as eSpacial Navi™ with programmable buttons and iNeedle⁺, to improve safety and efficiency.

eSpacial Navi™ : The best solution for Out-of-Plane procedures

With eSpacial Navi™, TE7 ACE guides you to better visualize the needle adaptively especially in Out-of-Plane procedures. The position of the tip and the alignment of the needle now are simply identified, allowing you to plan the needle trajectory before puncturing and guiding you to the target safer and easier.



Out-of-Plane puncture on phantom



Out-of-Plane puncture of Ventral Femoral Nerve

iNeedle⁺: Optimal needle visualization for In-Plane procedures

The advanced needle visualization of iNeedle⁺ is available for both linear and convex transducers. This technology can greatly improve the needle display during In-Plane approach. The intelligent algorithm can automatically track the needle angle and optimize the ultrasound beam accurately by degree for optimum image quality, compared with normal visualization technology.

Easy to Learn and Use

The TE7 ACE streamlines the scanning process with an intuitive gesture-enabled screen. No complicated keyboard or complex controls to learn, exam presets and relevant functions are easily accessible.

Touch Enabled Response

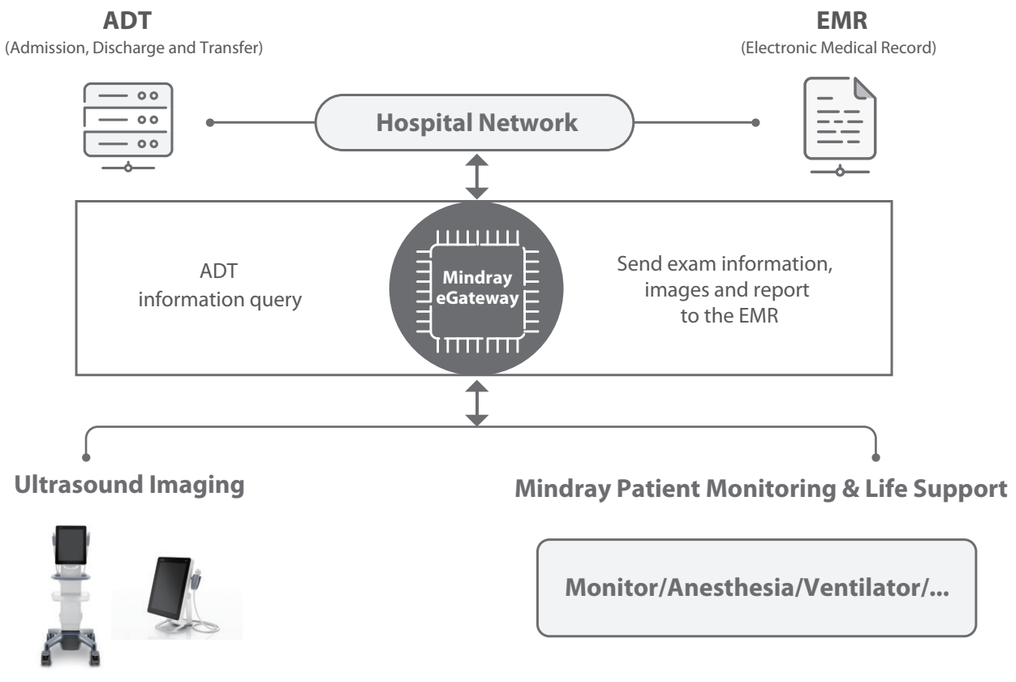
State-of-the-art fingertip operation: tap to start, drag to adjust parameters, pinch to zoom in or out, and swipe to expand the imaging area, even with your gloves on – providing intuitive control at the touch of a finger.

Customizable Layout

Most frequently used ultrasound functions are constantly displayed on the top half of the screen. Advanced functions and features can be easily defined by you, and just a 'touch away'.

Superior Data Connection

Mindray's connectivity solution eGateway enables TE7 ACE to seamlessly fit into your hospital's existed network, incorporating patient's clinical data collected from both ultrasound equipment and patient monitor for wiser clinical decision making. Patients are easily admitted and exam information, images and reports can be transferred to the EMR system. This efficient and paperless process improves productivity while reducing the risk of transcription errors.



Complete Disinfection Solution

Based on Mindray's consistent emphasis on rigorous testing, the TE7 ACE provides the highest standard disinfection solution with a special optimized design, high chemical resistance, and a wide range of disinfectants. The seamless and non-porous touch screen is easily disinfected, with a 10-second screen locking feature for cleaning even during exams. Both the main unit and transducers of the TE7 ACE can be thoroughly cleaned and disinfected to reach disinfection standards in various countries, including Europe and North America.

Ready for Care Anytime

With the most considerate design for the Pioneer of Care, the TE7 ACE manages to fit your clinical requirements from head to toe. It can be mounted on an ergonomic cart, as well as mounted on a desktop stand or a wall mount for a wide viewing angle. The slim profile makes transport and storage easy. With a unique retractable power cable and built-in battery, the TE7 ACE is always ready for the point-of-care ultrasound environment.

- 3 seconds boot up from standby with one touch
- 3 transducer connectors for various exam types
- More than 2 hours real-time scanning with built-in battery
- Built-in Wi-Fi with hotspot
- Unique cable management to avoid wheel rolling compaction
- Retractable power cable design
- iVocal innovative voice command



Superior Quality Imaging

Rapid and accurate ultrasound scanning is always a key element for point-of-care. Based on cutting-edge technology, the TE7 ACE provides superior quality imaging for focused applications in anesthesia, pain management, emergency medicine, critical care, and musculoskeletal examinations.

Complete Transducer Solution

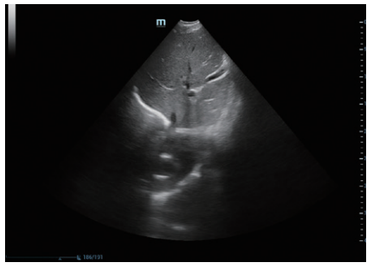
Equipped with Mindray's exclusive 3T (Triple-matching layers, Total-cut design, Thermal control) and ComboWave transducer technology, the TE7 ACE offers a full suite of transducers, including convex, linear, phased array, endocavity, intraoperative, and TEE for a wide variety of applications.

Premium Performance for Superficial

The TE7 ACE allows you to experience outstanding performance with excellent image resolution and uniformity of both the nerve structure and the needle. With transducer frequency up to 20MHz, the TE7 ACE ensures crystal-clear imaging of superficial structures.

One-transducer Solution for FAST Scanning

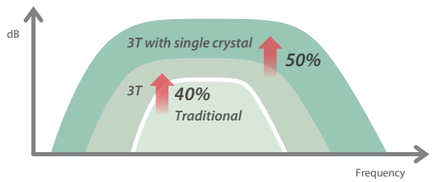
The combination of high penetration, small footprint, curved shape, and excellent image quality, makes the C4-1s the optimum solution for FAST scanning in the market. It also supports multiple imaging modes, including CW, for both abdominal and cardiac exams.

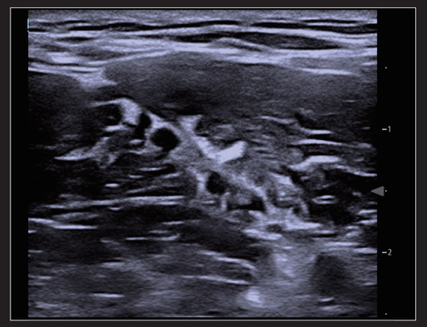


High penetration with 40cm by C4-1s

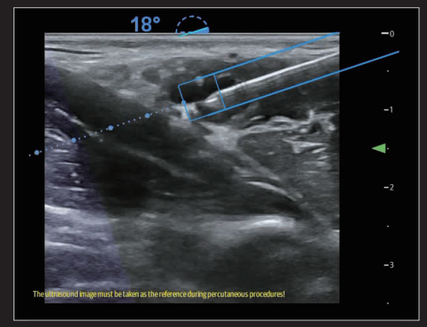
Excellent Cardiac Imaging with Single Crystal

Based on single crystal with 3T technology, the SP5-1s provides a wider bandwidth to simultaneously offer better penetration and higher resolution, resulting in an optimal scanning solution for technically difficult patients.

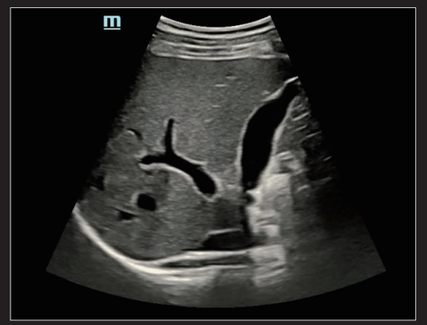




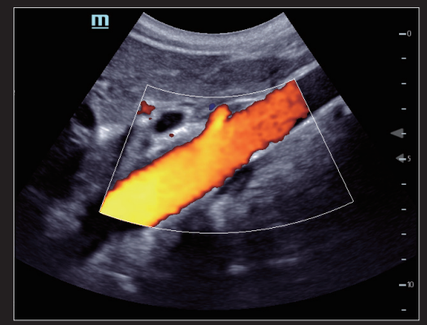
Brachial Plexus



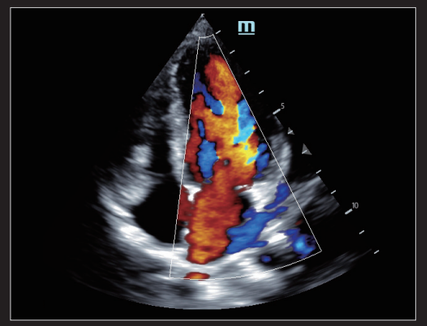
Brachial Plexus Puncture



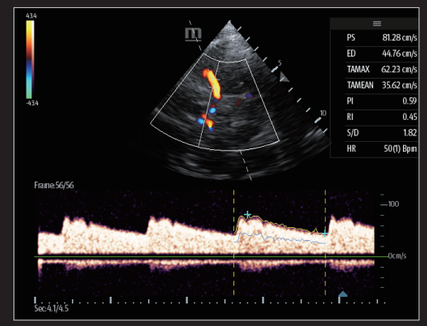
Portal Vein



Abdominal Aorta



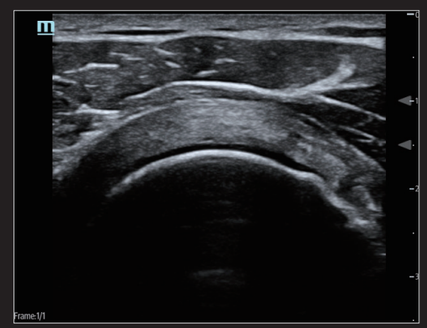
Cardiac CFM



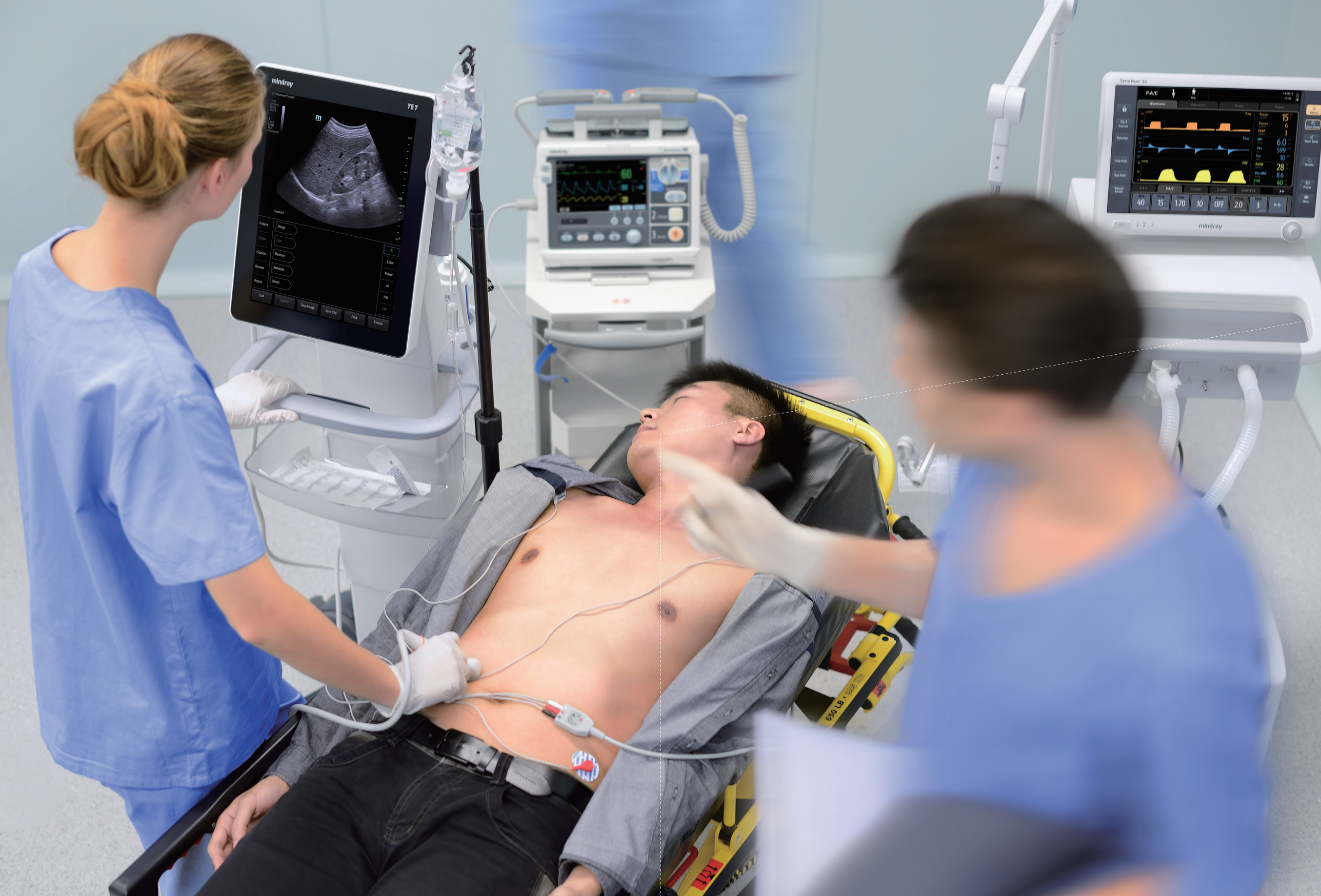
TCD



Humerus Capitulum & Radial Head



Supraspinatus Tendon


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TE7
Patient
Image
Probe
Color
iStation
Measure
Review
Annotate
Report
Vocal
End
Update
Save Image
Save Clip
Print
Freeze
B
Color
Power
M
PW
CW
SynoVent E5
P-A/C
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