



Resona A20 Ultrasound System



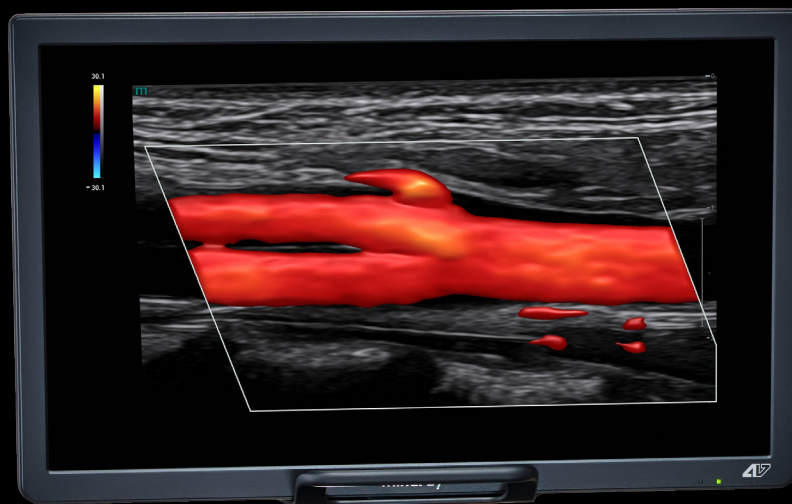
THE POWER TO SEE

THE CLARITY TO ACT

THE NEW STANDARD

THE ULTRA SOLUTION THAT WORKS LIKE YOU DO

Diagnostic excellence doesn't require complexity or compromise. The Resona A20 redefines what's possible in premium ultrasound, simply and powerfully.



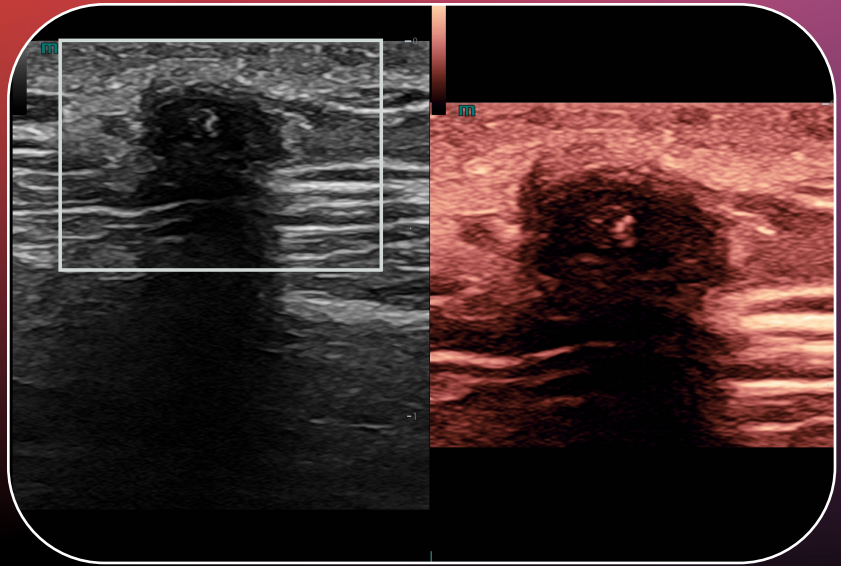
"Mindray continues to raise the bar, delivering innovation you can see."

MaryBeth G., BS RVT
Technical coordinator & clinical instructor
at a leading university medical center



ULTRA PRECISE

Make diagnostic decisions
with confidence, powerfully.



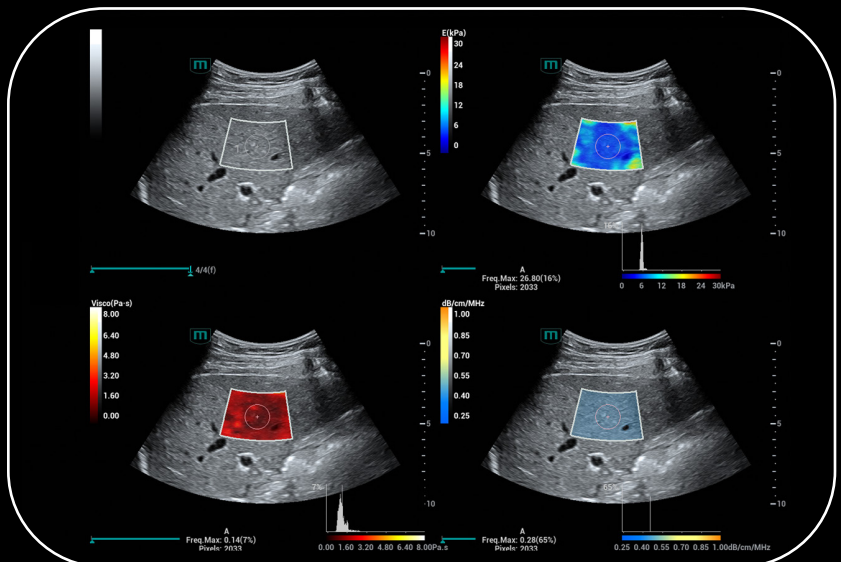
ULTRA EASY

Reduce your workload and
eliminate burnout.



ULTRA SMART

Simplify your day-to-day
workflow and stay ahead of
the curve.



DESIGNED FOR YOU

YOUR WORKFLOW. ENHANCED BY INNOVATION.

Built on Acoustic Intelligence Technology (AIT)[™] platform and engineered with your comfort in mind, the Resona A20 is as powerful as it is practical. Our user-centric technology improves the way you work and diagnose to deliver:

HIGH-QUALITY,
CONSISTENT IMAGING

FASTER, MORE
INTUITIVE EXAMS

DEEPER DIAGNOSTIC
INSIGHTS

QUALITY CARE FOR
EVERY PATIENT

What is Acoustic Intelligence Technology?

Acoustic Intelligence Technology is Mindray's proprietary platform that combines advanced imaging and computing power to optimize every scan.

Powered by AIT, the Resona A20 intelligently analyzes acoustic data to deliver consistently sharp, diagnostic-quality images, effortlessly.





ADOPTION

GET UP AND RUNNING SEAMLESSLY

Streamlined onboarding and workflows support consistent scans, engaged teams, and efficient day-to-day operations.

SCAN CONFIDENTLY

Smarter onboarding, tools, and workflows simplify and standardize scanning, even on the most challenging patients.

AUTOMATE THE DAY-TO-DAY

Personalized, AI-powered settings simplify workflows and decision-making, and reduce cognitive load.

KEEP UP WITH DEMAND

The Resona A20 redefines what a premium ultrasound should be: fast, comfortable, and built to support over-worked clinical teams.

SPEND LESS TIME TRAINING

The Resona A20's modular interface was built for today's busy sonographer teams.

BUILD TRUST AND SATISFACTION

Peer-led education and training increase confidence across care teams and create built-in support systems.

ERGONOMICS

MEET THE PHYSICAL DEMANDS OF YOUR TEAM

The Resona A20 is built to support the way you work, minimizing both physical strain and cognitive load. It meets or exceeds 97% of industry-specific standards* for ergonomic design, usability, and performance, so you can work comfortably and efficiently.

*Sound Ergonomics: System Evaluation Report



27" LCD MONITOR

Designed to move with you, the adjustable monitor minimizes glare and collapses for easy transport.



CUSTOMIZABLE INTERFACE

Personalize your display and workflows with custom, AI-powered profiles and move faster with fewer keystrokes.

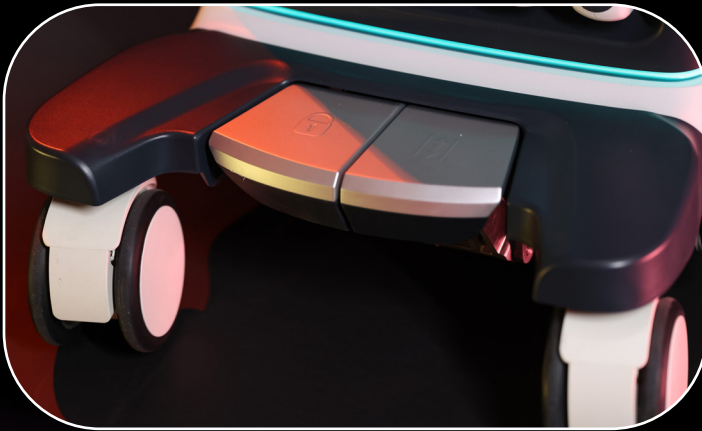
97%

The Resona A20 meets or exceeds 34/35 industry ergonomic and usability standards.



TRANSDUCER

Support your wrist's natural position with lightweight, slip resistant transducers.



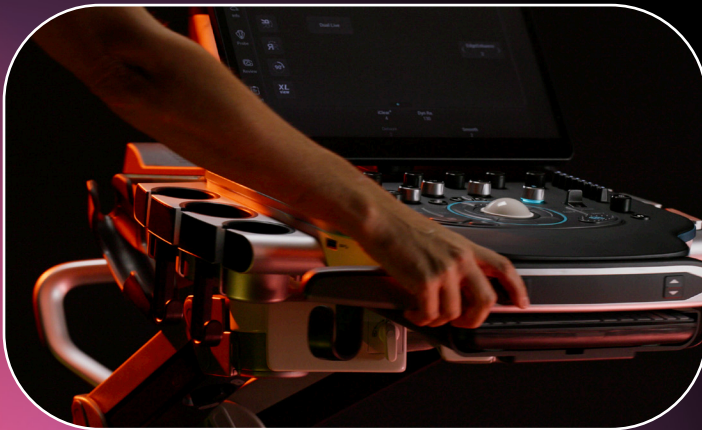
MOBILITY

Low-profile, 2- and 4-wheel mobility helps steer, position, and brake the cart with ease.



CABLE MANAGEMENT

Strategically placed cord holders reduce pulling and keep your workspace unobstructed.



CONTROL PANEL

From sitting to standing, the adjustable control panel moves with you.



USER INTERFACE

By combining rotary knobs with a customizable touch bar, navigating the system is seamless and efficient.

THE POWER TO SEE, IN YOUR HANDS

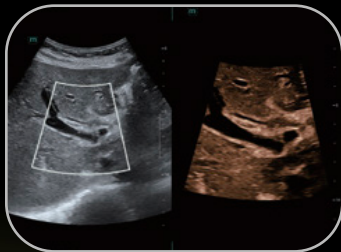
The Resona A20 transducer lineup is designed to deliver high-performance imaging, comfort, and versatility. Optimized to work with our proprietary ALT, each transducer automatically analyzes and enhances acoustic signals for consistently clear images.

PRECISE CLINICAL IMAGING, EVERY TIME

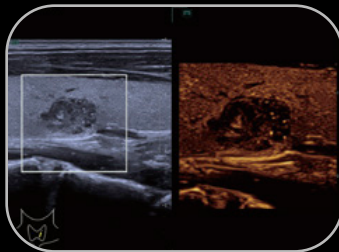
Mindray's next-generation Acoustic Free Matrix (AFM) transducers incorporate advanced technologies to enhance energy conversion efficiency, provide ultra-wideband coverage, and improve acoustic focusing capabilities.

HD SCOPE+

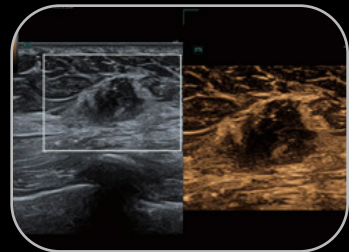
Powered by FreeBeam beamforming technology, the Resona A20's HD Scope+ captures richer, more precise echo data.



Liver Cholangiocarcinoma



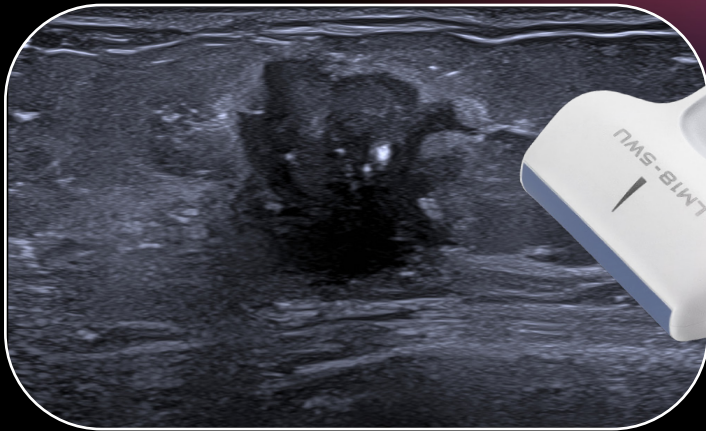
Thyroid Nodule



Breast Lesion

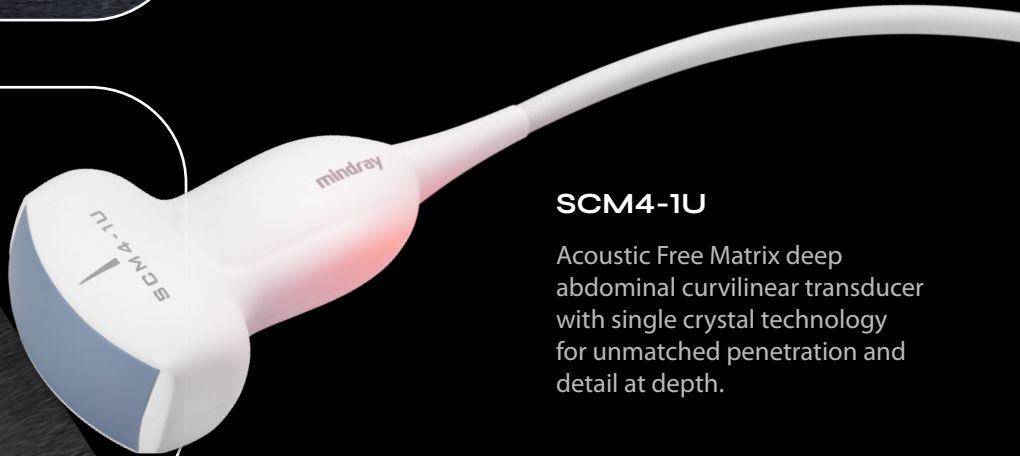
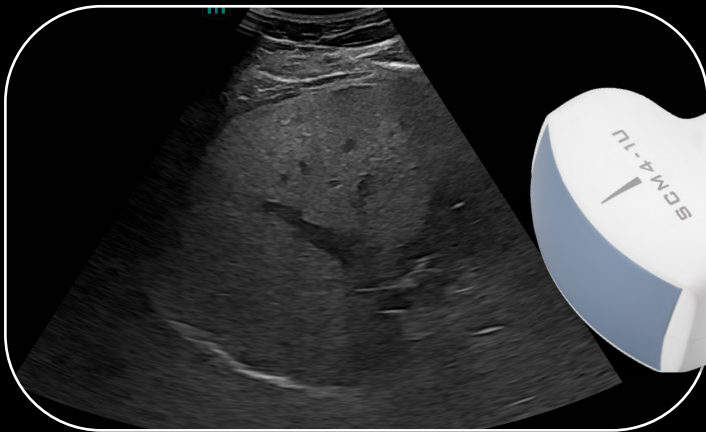
ULTRA
PRECISE

A CLOSER LOOK AT JUST A FEW OF OUR TRANSDUCERS:



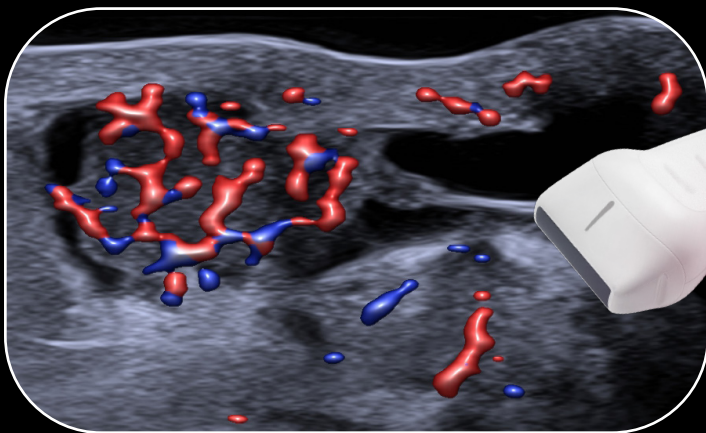
LM18-5WU

Acoustic Free Matrix linear transducer with exceptional tissue clarity and detail resolution and for small parts imaging.



SCM4-1U

Acoustic Free Matrix deep abdominal curvilinear transducer with single crystal technology for unmatched penetration and detail at depth.

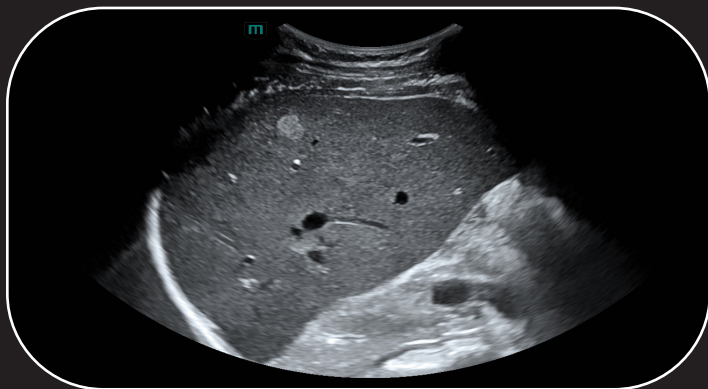


L33-8U

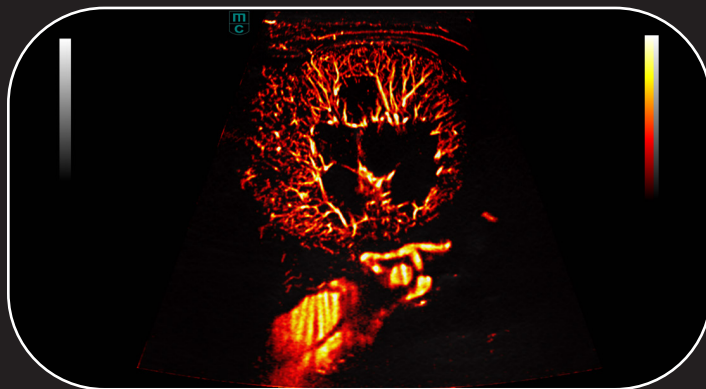
Super high-frequency 33MHz linear transducer for superficial, dermatology, and MSK imaging of shallow structures at less than 2cm in depth.

ULTRA CLEAR

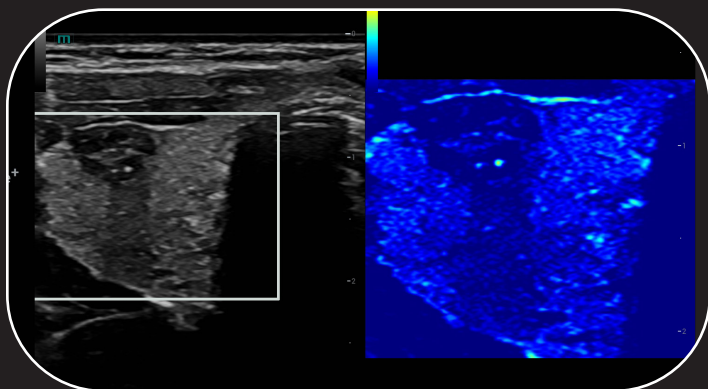
A NEW LEVEL OF IMAGE CLARITY



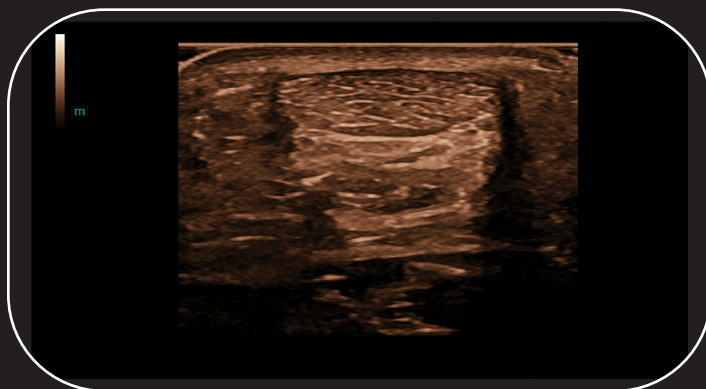
Liver Hemangioma



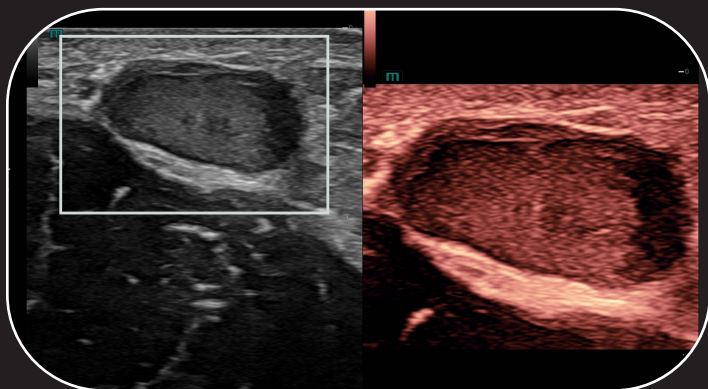
Super Resolution CEUS of Renal Perfusion



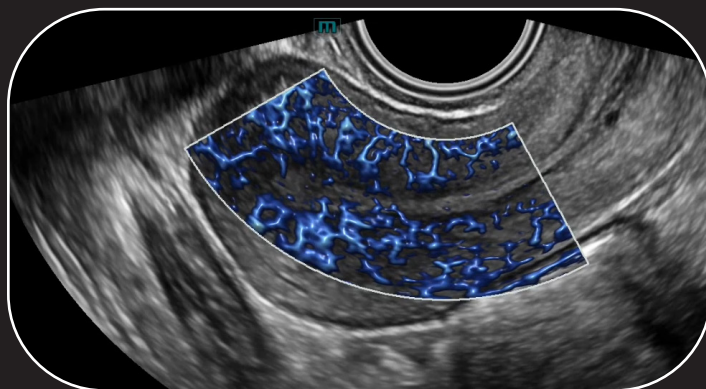
Thyroid Lesion with HD Scope+



Achilles Tendon

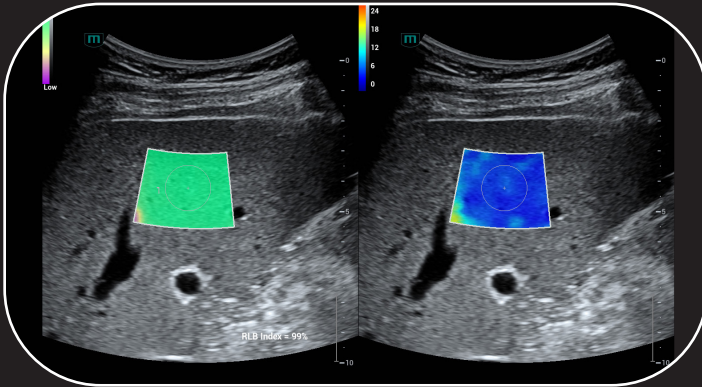


Ganglion Cyst with HD Scope+

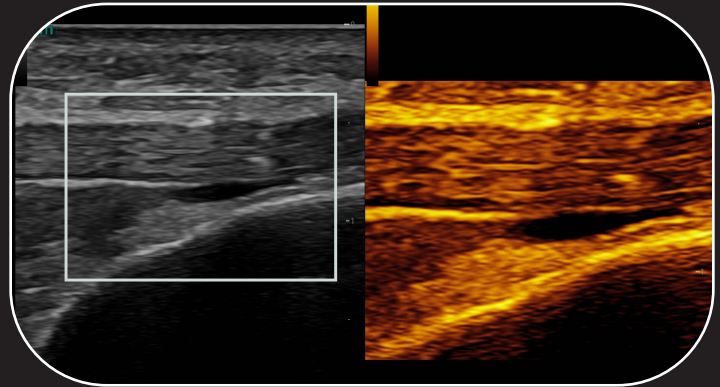


Uterine Perfusion with Ultra Micro-Angiography

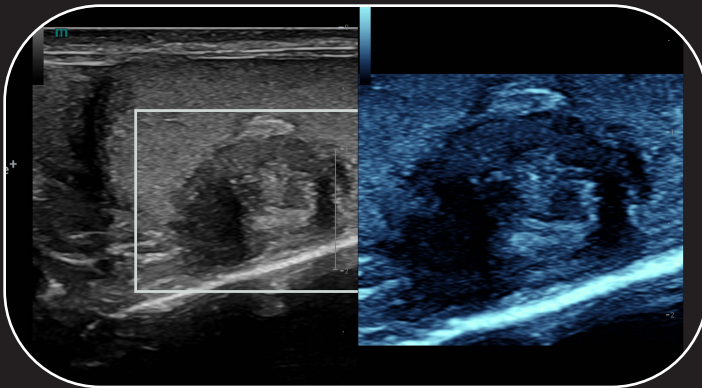
ULTRA CLEAR



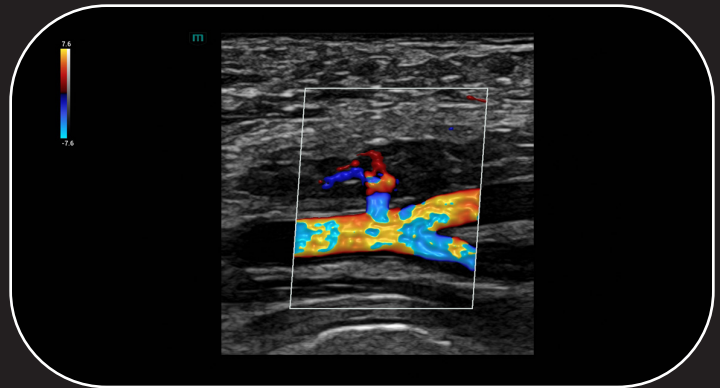
Sound Touch Elastography of Liver



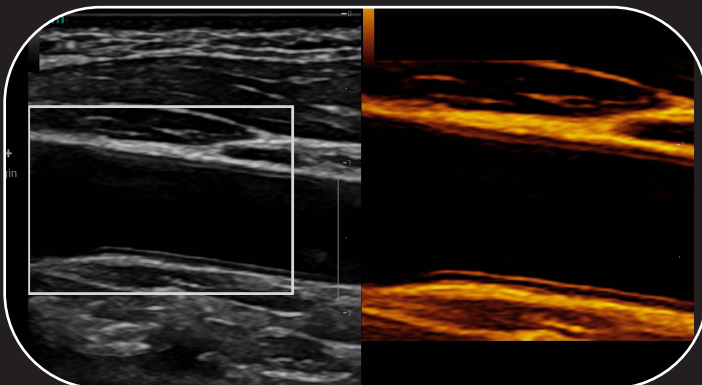
Patellar Tendon Effusion with HD Scope+



Testicular Lesion with HD Scope+



Femoral Pseudoaneurysm with Ultra Micro-Angiography



Carotid Intima with HD Scope+



Aorta and Renal Arteries with Glazing Flow

MINIMIZE RISK AND DISRUPTIONS

Safety and security is our priority. That's why we implement a Secure Product Development Framework (SPDF), incorporating third-party penetration to ensure the Resona A20 — and every Mindray product — meets or exceeds industry-standard security measures.

INTEGRATE, SEAMLESSLY

Seamlessly connect and protect your systems with LDAP and DICOM integration, delivering enhanced security and streamlined workflows tailored to your environment.

MEET COMPLIANCE STANDARDS

The Resona A20 was developed in accordance with the FDA's "Content of Premarket Submissions for Management of Cybersecurity in Medical Devices" guidance, in addition to complying with ISO27001 and HIPAA standards.

DEFENSE IN DEPTH

Mindray's multi-layered security strategy keeps your data protected at every level across application, operating system, and network domains, reducing risk and preventing unauthorized access.

APPLICATION LAYER

Vulnerability testing, including code analysis, fuzz testing, and penetration testing

Secure access with local authentication or LDAP integration

Role-based user privileges to control and manage access

Encryption at Rest: Advanced Encryption Standard (AES-256) ensures PHI and PII remain protected against unauthorized access

Documented SBOM (Software Bill of Materials)

KEEPING YOUR DATA SECURE, FROM EVERY ANGLE

OPERATING SYSTEM (OS)

Hardened operating system - unused services or ports are disabled

Application whitelisting to prevent unauthorized process from running

Anti-virus with up-to-date definitions

Security patching updates

NETWORK ENVIRONMENT LAYER

Firewall to block unnecessary ports

Encryption in motion: Secure data communication via DICOM TLS 1.2

Secured wireless protocols protecting PHI and PII from unauthorized access or interception

LIVING TECHNOLOGY

A SYSTEM THAT EVOLVES WITH YOU

Invest once, scan endlessly. The Resona A20 is a modular platform designed to minimize replacements, maximize uptime, and protect your investment.

What is Mindray's Living Technology?

Living Technology™ is our proprietary approach to easily upgradeable ultrasound enhancements and security updates. These upgrades secure product investment protection, ensuring your Mindray systems remain at the leading-edge of imaging performance excellence.

NO STRINGS

No annual licensing fees and fewer tiers and upgrades mean straightforward contracts with more predictable value.

PEACE OF MIND

Mindray offers a five-year warranty on every ultrasound system, which includes our Living Technology promise.

5

Industry-leading
five-year warranty



THE SUPPORT YOU NEED, WHEN YOU NEED IT

Safety and security is our priority. That's why we use third-party and internal audit programs to ensure the Resona A20 — and every Mindray product — meets or exceeds industry-standard security measures.



97%

Mindray CARE Team service
satisfaction rate

80%

Average healthcare service
satisfaction rate

Supporting healthcare
professionals starts with our
state-of-the-art technology, but
that's not where we stop.

BUILD CONFIDENT TEAMS

Keep your team ahead of the curve with flexible, customizable trainings and educational programs.

MAINTAIN UPTIME

From troubleshooting to critical check-ins, our support teams are accessible 24/7.

STAY CONNECTED

Our on-demand team is based in the U.S., simplifying communication and procurement.

A PROVEN COMMITMENT TO INNOVATION

QUALITY THAT EXCEEDS EXPECTATIONS

A SUPPLY CHAIN THAT WORKS FOR YOU

ROCK-SOLID SECURITY MEASURES

BEST-IN-CLASS SERVICE

REQUEST A DEMO

Scan to book yours



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healthcare within reach

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