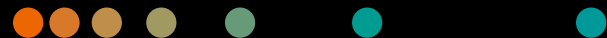


ACUSON Juniper 2.5

When more is essential



ACUSON Juniper 2.5

When more is essential

Performance and
portability without
compromise



Powerful
imaging for
reliable results

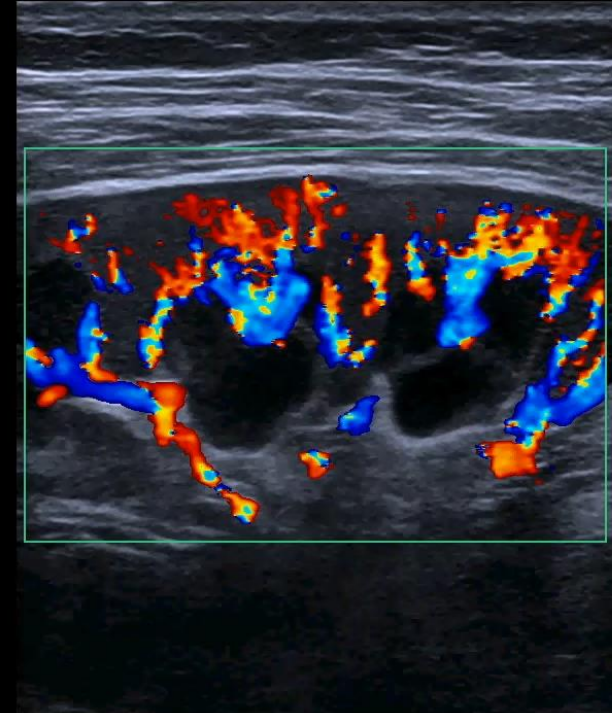
New level of
clinical
versatility

Where form
and function
meet

Powerful imaging for reliable results

- Powerful imaging architecture
- eSiImage optimization
- Auto Flash Color Artifact Suppression
- Enhanced needle visualization
- Full Screen mode

12L3
ABD 12
Tx Power 100%
MI 1.06
TIS 0.6
TIB 0.6
6.7 MHz
781 Hz
Flow Low
1 dB
11 fps



6 cm

Powerful imaging for reliable results

Powerful front-end engine

Efficient signal processor

Advanced back-end engine



Transmit and Receive Signal

Higher system sensitivity and specificity for tissue differentiation

Beamformer

Faster image acquisition with reduced motion artifacts

Image Formation

Higher transducer plunkability enables easier imaging

Powerful imaging for reliable results

Optimize the image with no user interaction

eSielImage optimization

Improve image quality and workflows by automatically optimizing imaging parameters while scanning

Adaptive gain processing eliminates frequent adjustments by user

7C2
Abd
Tx Power 100%
MI 1.06
TIS 1.2
TIB 1.2
ASC 2
DTCE High
Dyn R 68 dB
THI 5.7 MHz
-5 dB
28 fps



Optimize the image with no user interaction

eSielImage optimization



Powerful imaging for reliable results

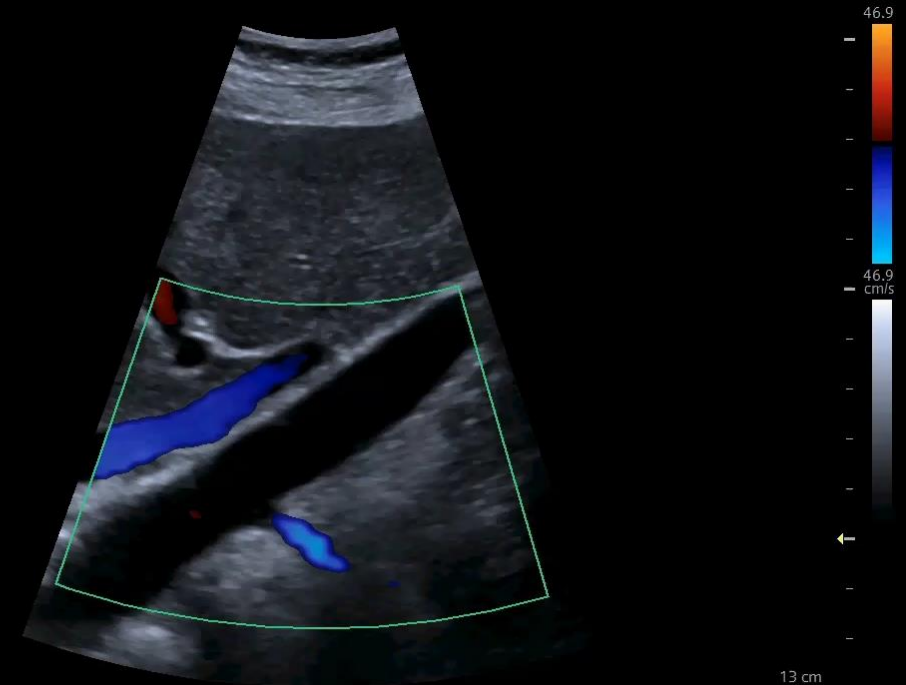
Optimize the image with no user interaction

Auto Flash Color Artifact Suppression

Proprietary technology to detect and prevent motion artifacts, reduce noise and enhance color sensitivity with no user interaction

Designed to improve image quality and workflow by reducing manual optimization

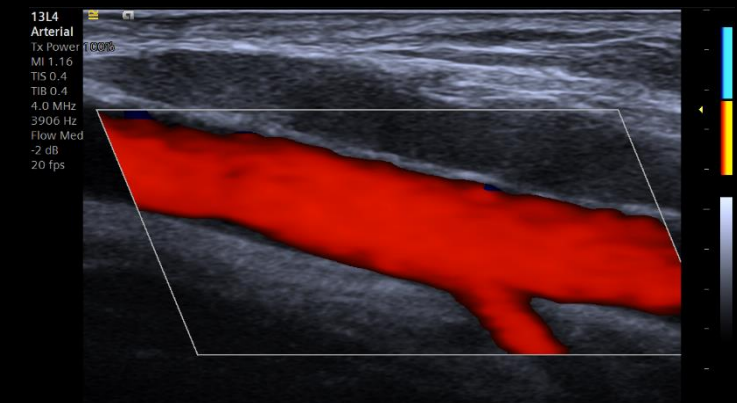
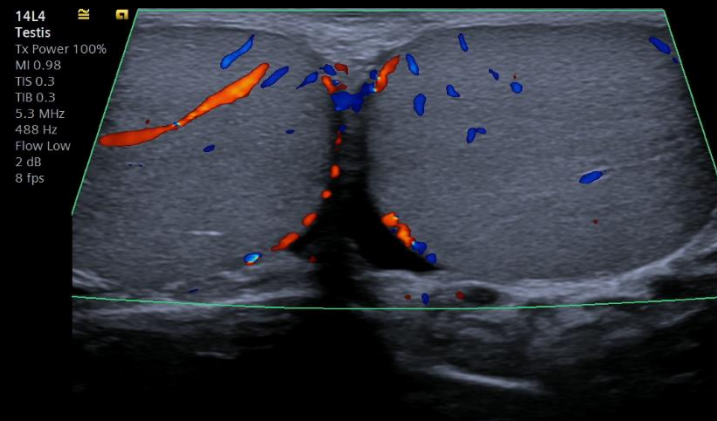
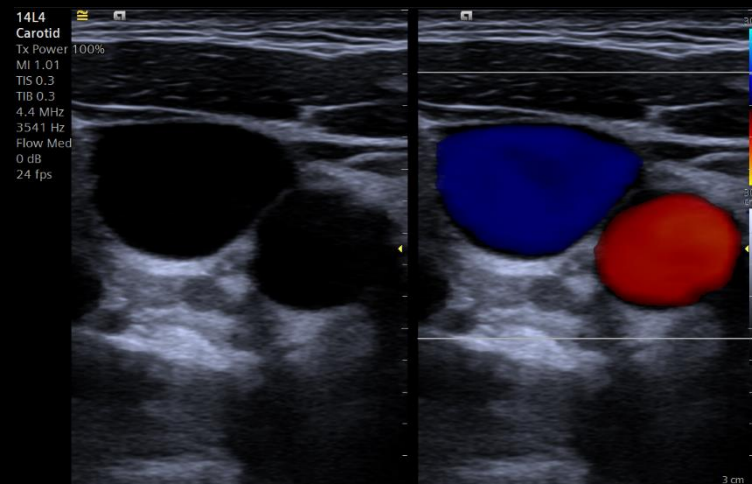
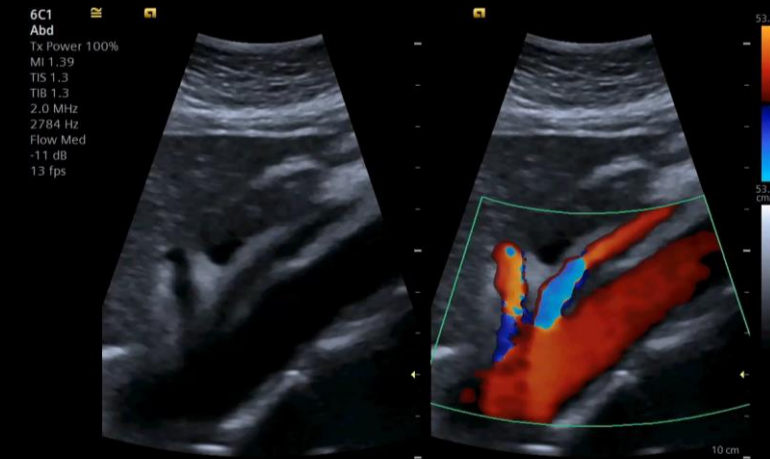
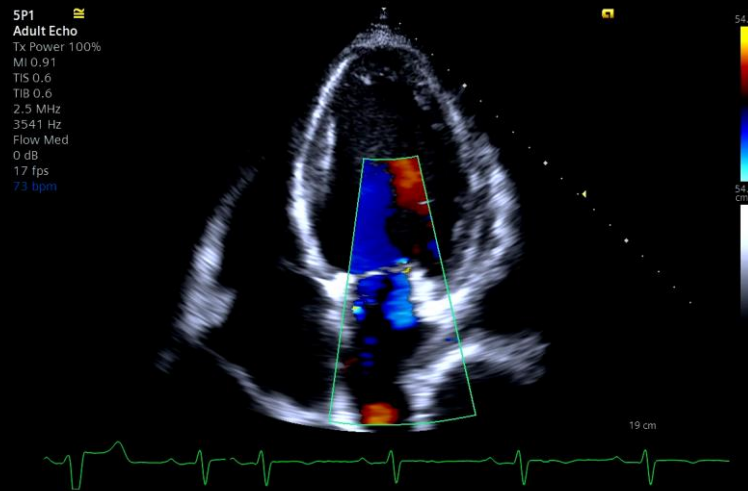
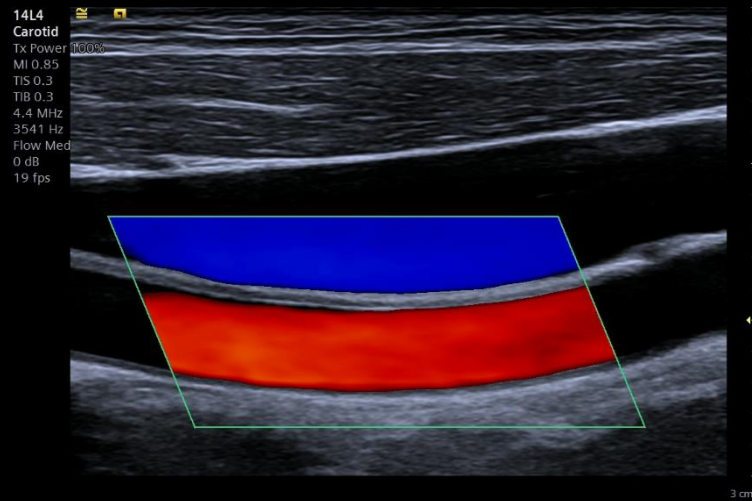
6C1
Abd
Tx Power 100%
MI 1.33
TIS 1.3
TIB 1.3
2.0 MHz
2437 Hz
Flow Med
-7 dB
11 fps



Left Renal Artery Color

Optimize the image with no user interaction

Auto Flash Color Artifact Suppression



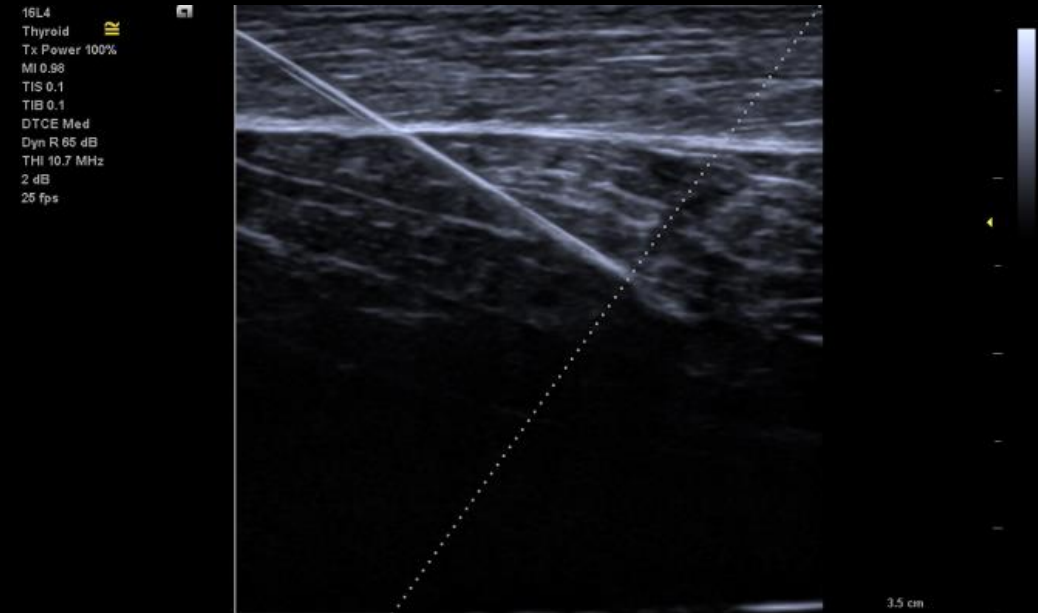
Powerful imaging for reliable results

Improve confidence during procedural guidance

Enhanced needle visualization

Proprietary algorithm to improve the display of the needle during procedural guidance

Delivers optimal needle visualization while maintaining image quality



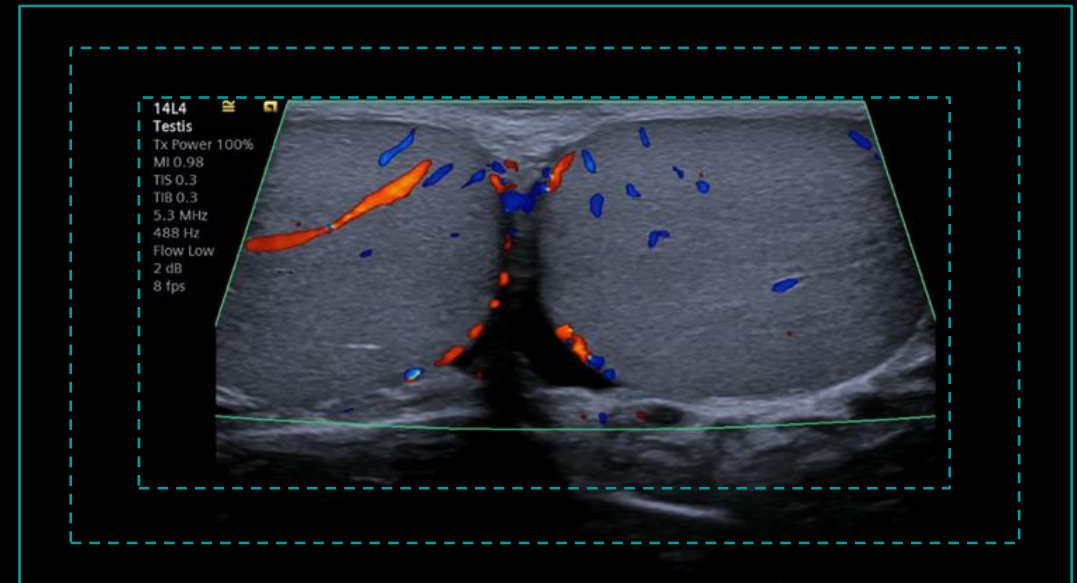
Designed to enhance multiple needle interrogation angles for maximum confidence

More convenient examinations Get the maximum user experience

Full Screen Mode

More convenient examinations with an increased clinical image size.

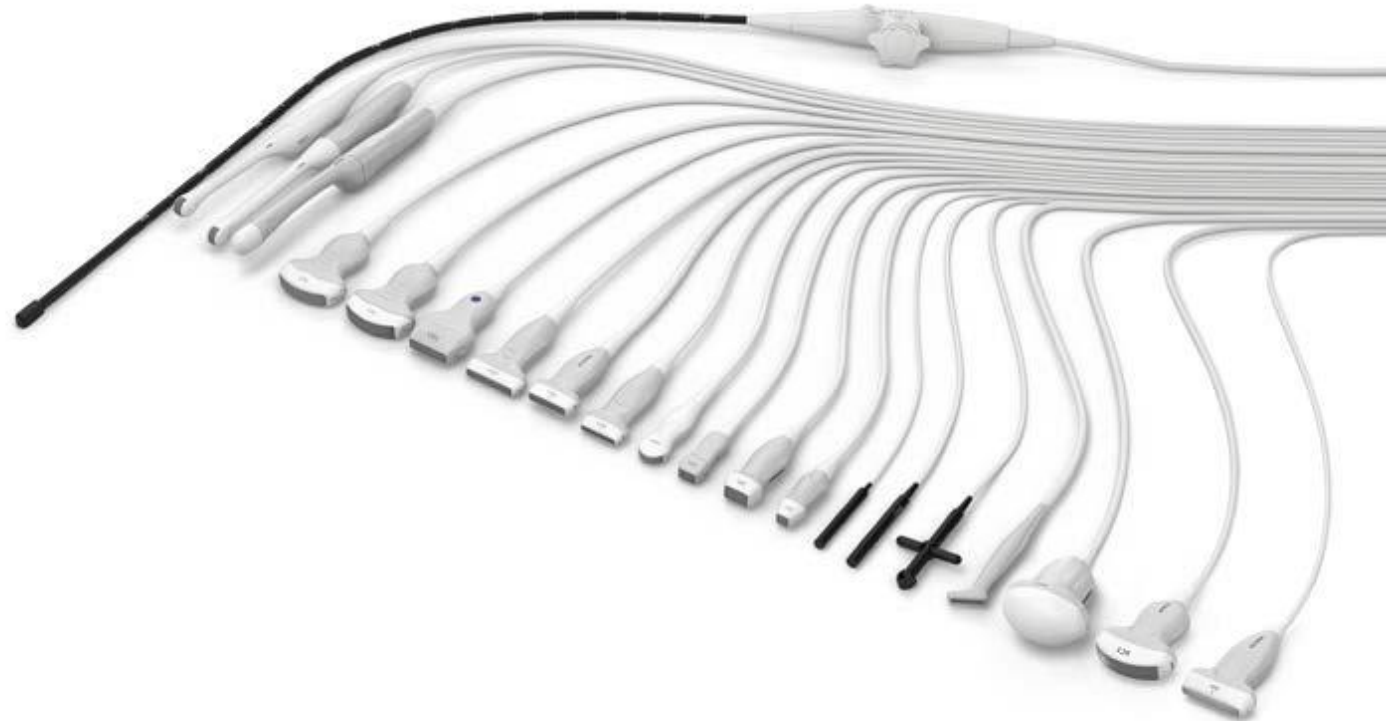
Increase clinical image from normal up to 31% in extensive mode and up to 56% in full screen mode.



Full Screen Mode increases clinical image up to 56 % to get the maximum user experience

New level of clinical versatility

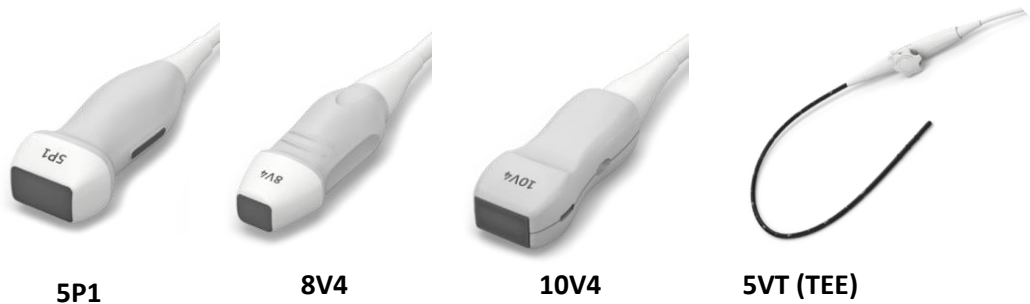
- 21 transducers
- AI-powered measurement tools
- Clinically specific innovations



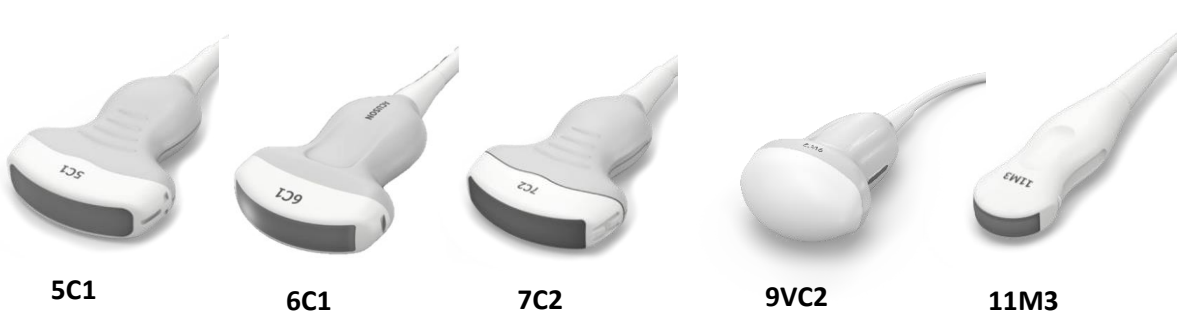
Cover a wide range of needs

21 transducers to expand clinical offerings

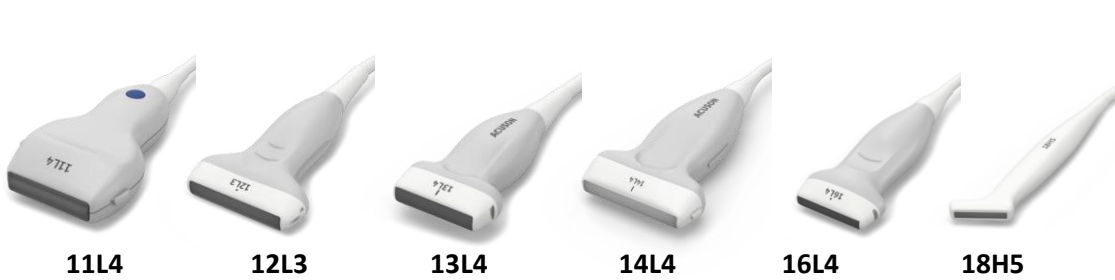
Phased Array transducers



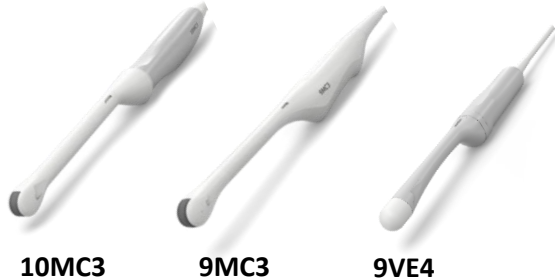
Convex transducers



Linear transducers



Endocavity transducers



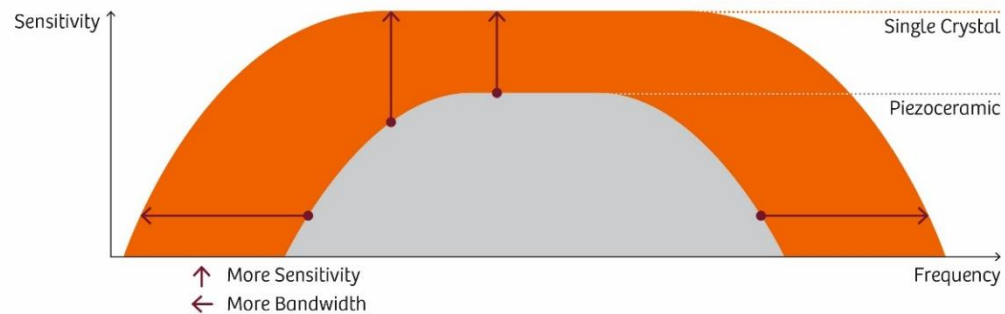
CW transducers



*ACUSON Juniper 2.5 510(k) is pending. Not available for sale in the USA at the time of this publication.

Single crystal transducer technology

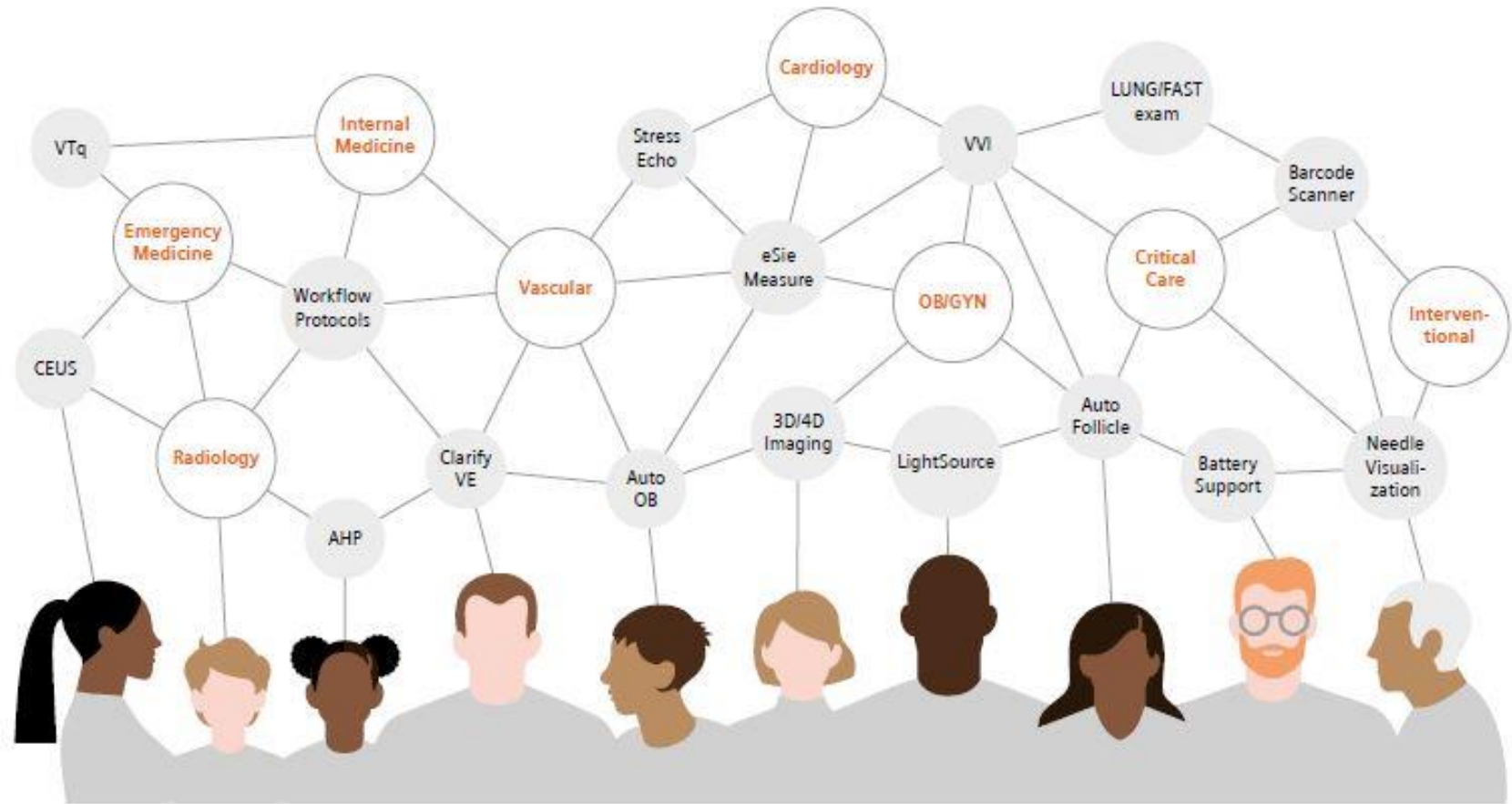
- Latest generation single crystal for general imaging and cardiac
- Wider bandwidths for:
 - Better harmonic imaging and axial resolution
 - Greater sensitivity for deeper penetration*



Help deliver clinical excellence across clinical areas

Over 25 advanced tools and options

From AI-powered measurements* that improve scanning workflows, to clinically specific innovations which improve diagnostic accuracy



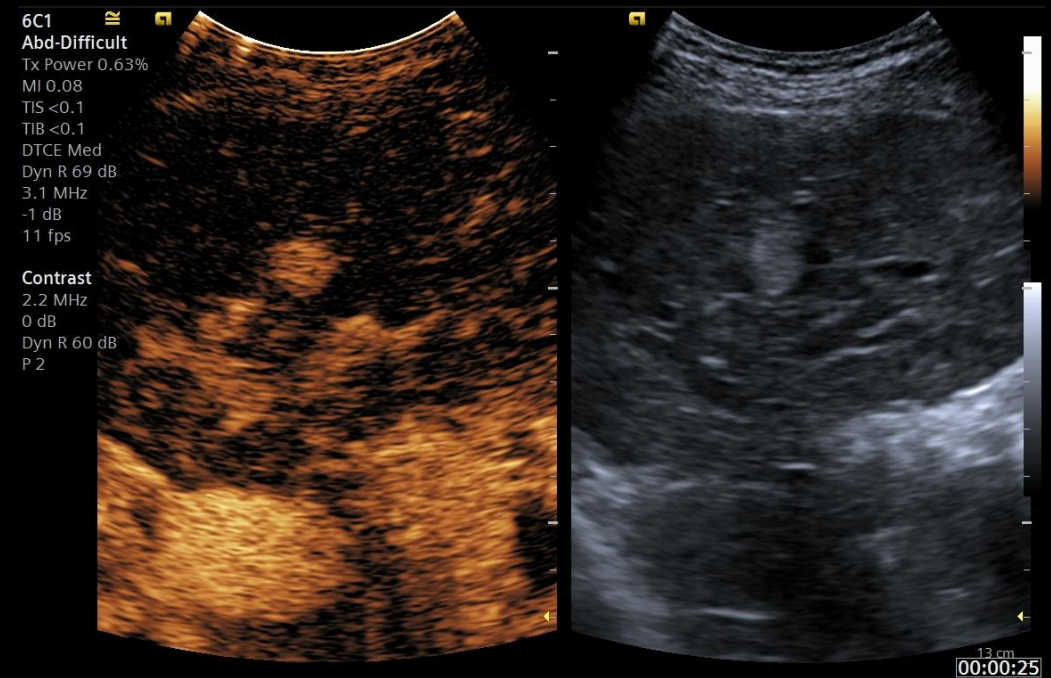
New level of clinical versatility

Improve focal liver lesion characterization with CEUS

Contrast Enhanced Ultrasound (CEUS)

Ultrasound contrast agents have shown to be a safe and effective tool to improve diagnostic accuracy

- Low MI technique to assess contrast agent perfusion
- Shown to have high sensitivity and specificity in assessing focal liver lesions



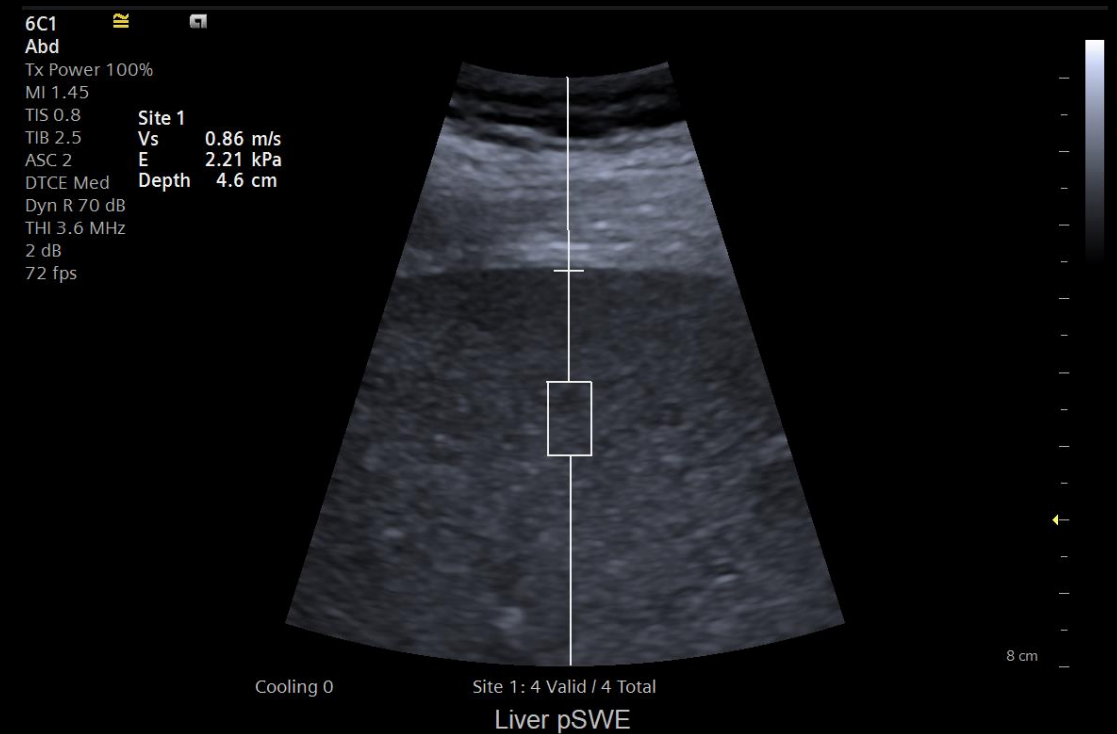
New level of clinical versatility

Non-invasively assess liver tissue stiffness

Liver Elastography (pSWE)

Point shear wave elastography provides a fast and reproducible technique to quantify liver stiffness

- May help physicians reduce unnecessary biopsies and associated costs
- Monitor disease progression and response to treatment
- Can be used in conjunction with a standard ultrasound exam



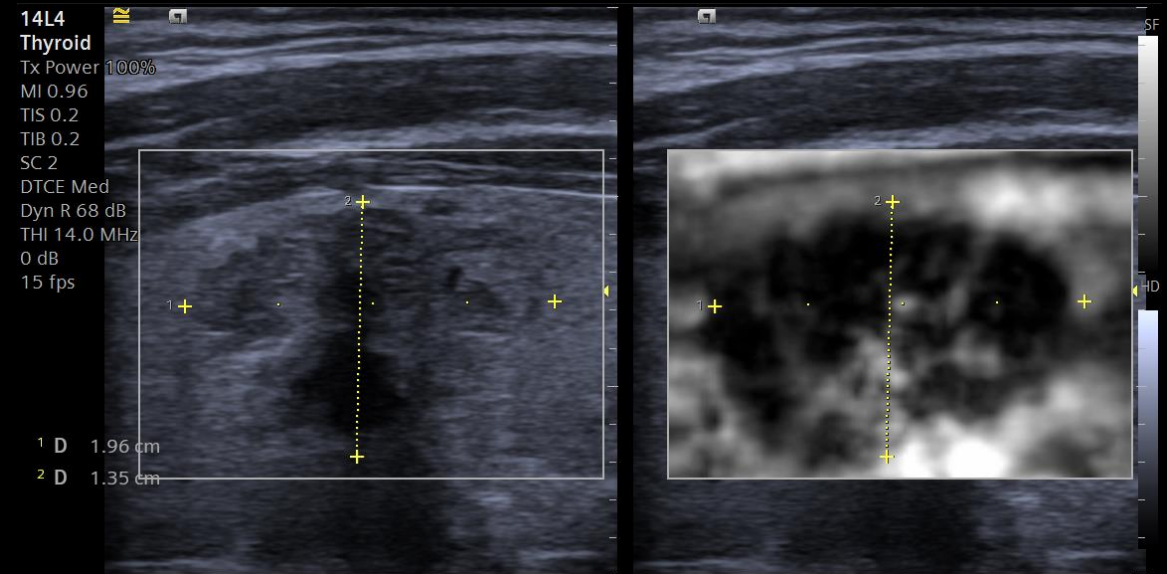
New level of clinical versatility

Qualitatively assess lesion stiffness to improve lesion characterization

Strain Elastography (eSieTouch)

Strain elastography provides a simple and qualitative measure of lesion stiffness relative to the surrounding tissues

- Manual compression elastography
- Determines relative tissue stiffness
- Real-time qualitative assessment



Transverse Thyroid Mass - Strain - Shadow Measurement

New level of clinical versatility

Determine a patient's vascular age with AHP

syngo® Arterial Health Package (AHP)

Automated measurement tool for assessing the relative state of a patient's cardiovascular system

- Provides clinician with the capability to measure Carotid Intima-Media Thickness (CIMT)
- Option to reference normative tables that have been validated and published in peer-reviewed studies



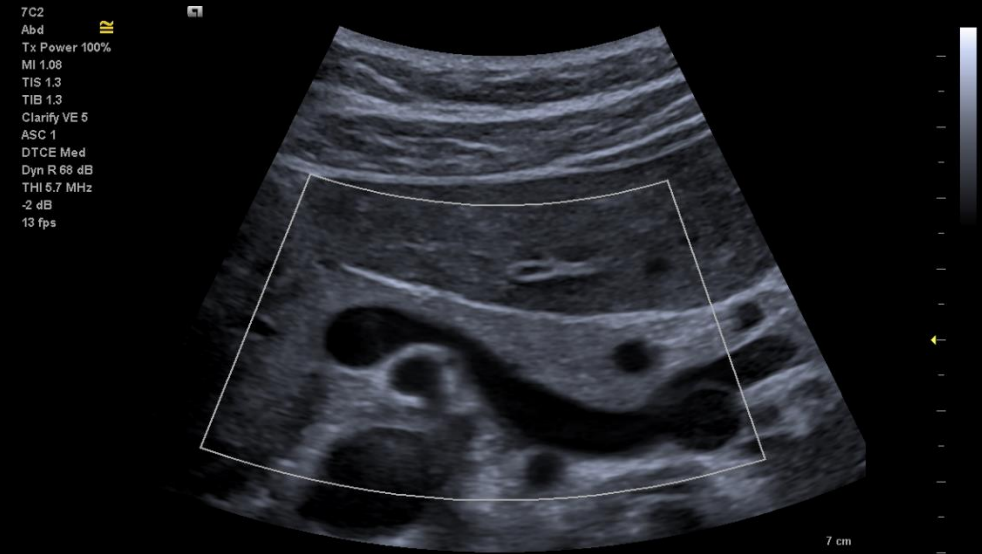
New level of clinical versatility

Remove noise and artifact in vessels to improve confidence

Clarify Vascular Enhancement (VE)

Patented, real-time technology to increase the contrast resolution and enhance border detection of vascular structures

- Available on all imaging transducers
- Up to 7 levels of sensitivity to accommodate different anatomical structures



Clarify VE in the portal splenic confluence to improve visualization of the pancreas

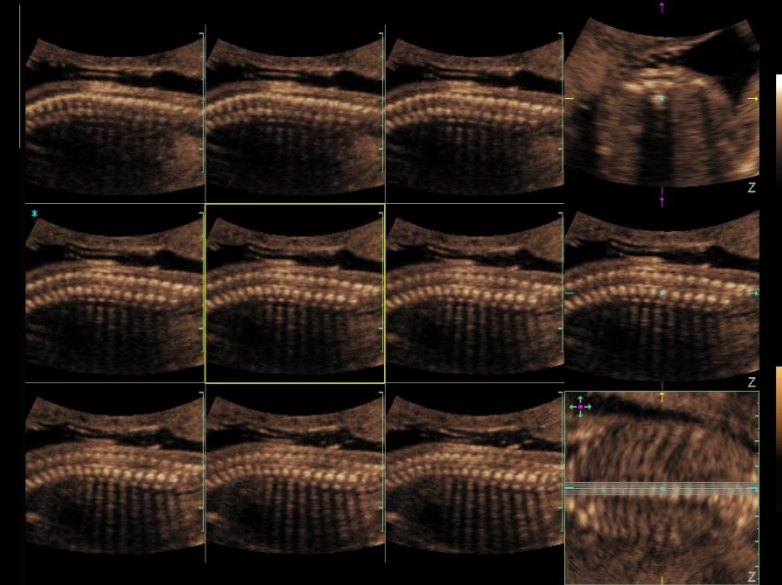
New level of clinical versatility

Early detection of fetal and uterine abnormalities with 3D/4D

9VC2
OB
Surface 1
LightSource
Op 60
Dyn R 50
Con 60
Br 52
S 90
LowTh 69
Map A
Tint 0



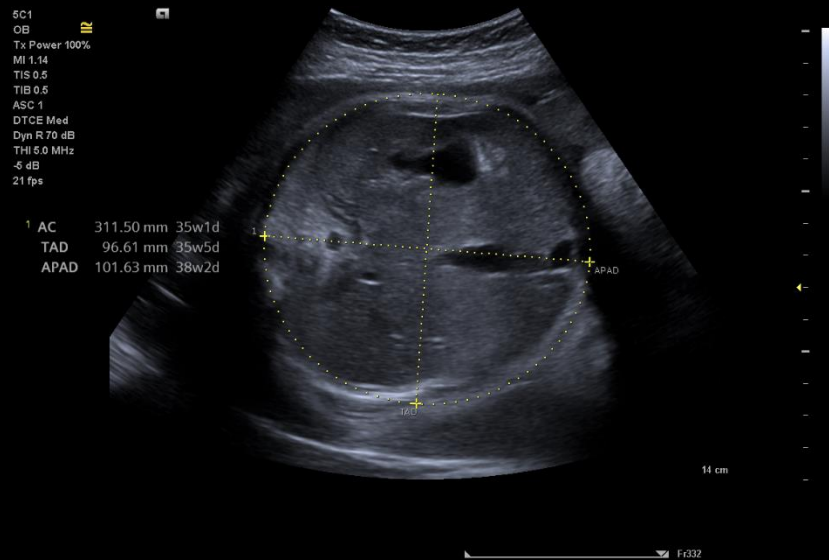
LightSource rendering enhances a more accurate representation of a fetus



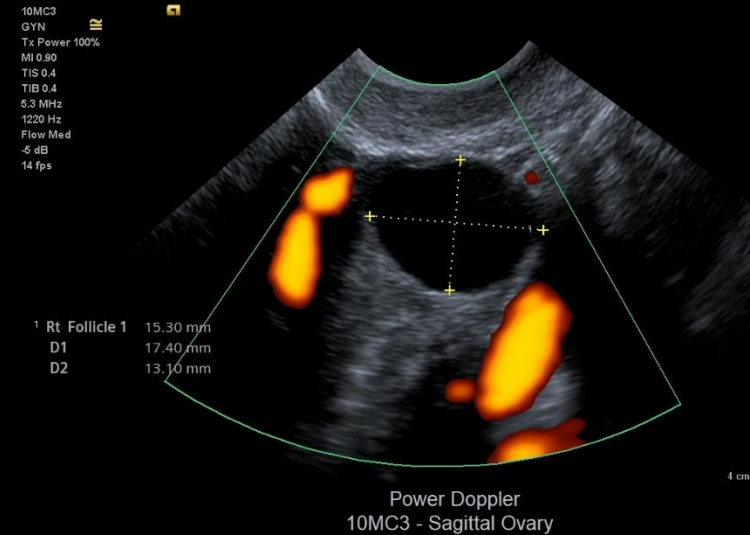
Advanced *fourSight* Technology offers additional acquisition and post processing functions such as Thick Slice Imaging and Curved MPR

New level of clinical versatility

AI-powered* tools to reduce scan time and keystrokes in OB/GYN



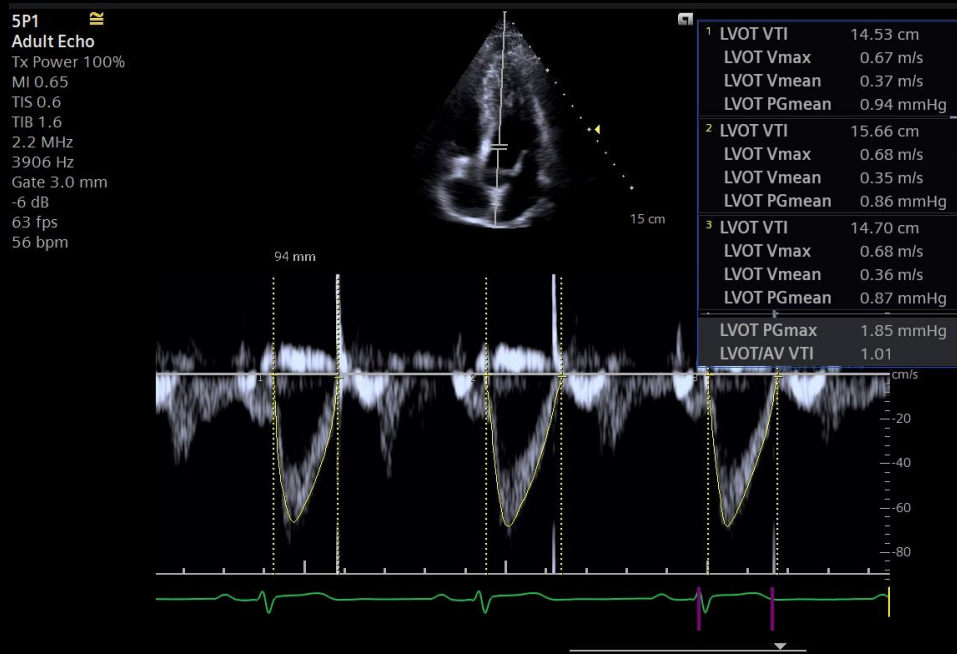
Auto OB provides automated biometric measurements for obstetric scanning; improving workflows and consistency



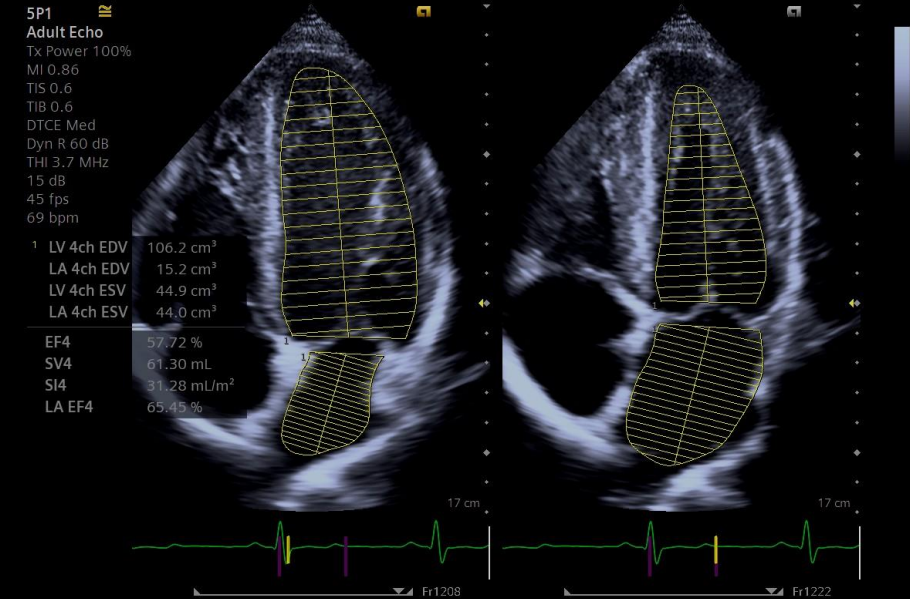
Auto Follicle automates measurements for fast and accurate assessment of follicle measurements, improving workflows and consistency

New level of clinical versatility

AI-powered tools to reduce scan time and keystrokes in Cardiology



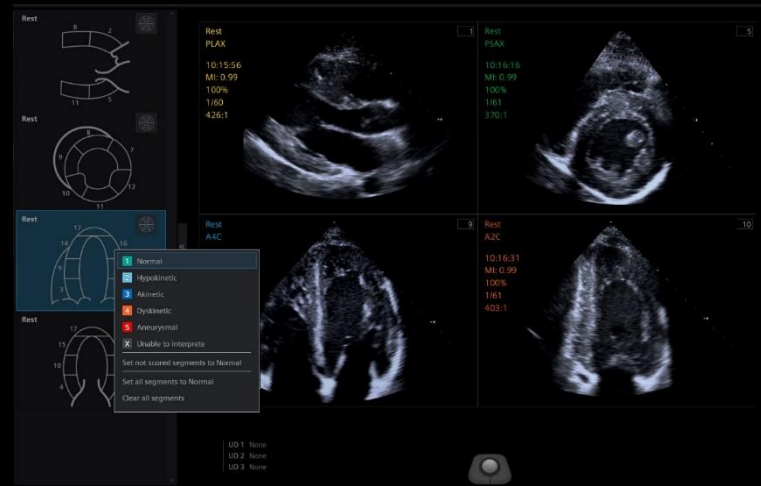
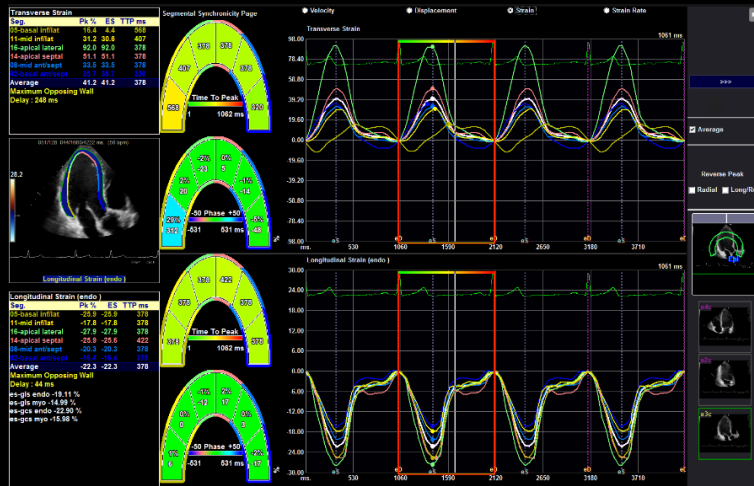
AI-powered **eSie Measure workflow package** enables 1-click cardiac measurements for 2D, M-mode, and Doppler



AI-powered **eSie Left Heart** identifies and automatically contours the left ventricle and left atrium

New level of clinical versatility

Advanced echocardiography tools for maximum productivity



syngo® Velocity Vector Imaging (VVI)

Speckle-tracking echocardiography to non-invasively assess myocardial motion and mechanics

Stress Echo

Comprehensive and flexible package includes configurable protocols and wall-motion scoring features

Left Ventricular Opacification (LVO)

Support LVO for better endocardial definition. LVO technology consists of a variation of system output, or mechanical index (MI)

Where form and function meet

- Smallest footprint in its class
- Lightweight maneuverability
- Battery Support



Where form and function meet

Lightweight with a small footprint design

Up to **36% smaller** and **weighing an average of 27% less** than other systems in its class, ACUSON Juniper fits into virtually any clinical environment without sacrificing on imaging performance



90° right and left rotation of the control panel

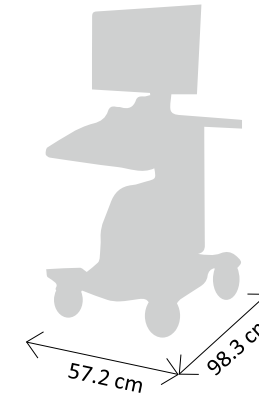
ACUSON
Juniper



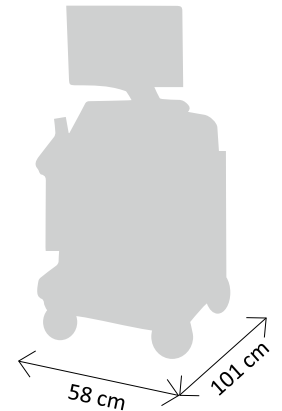
Vendor A
+14% larger



Vendor B
+31% larger



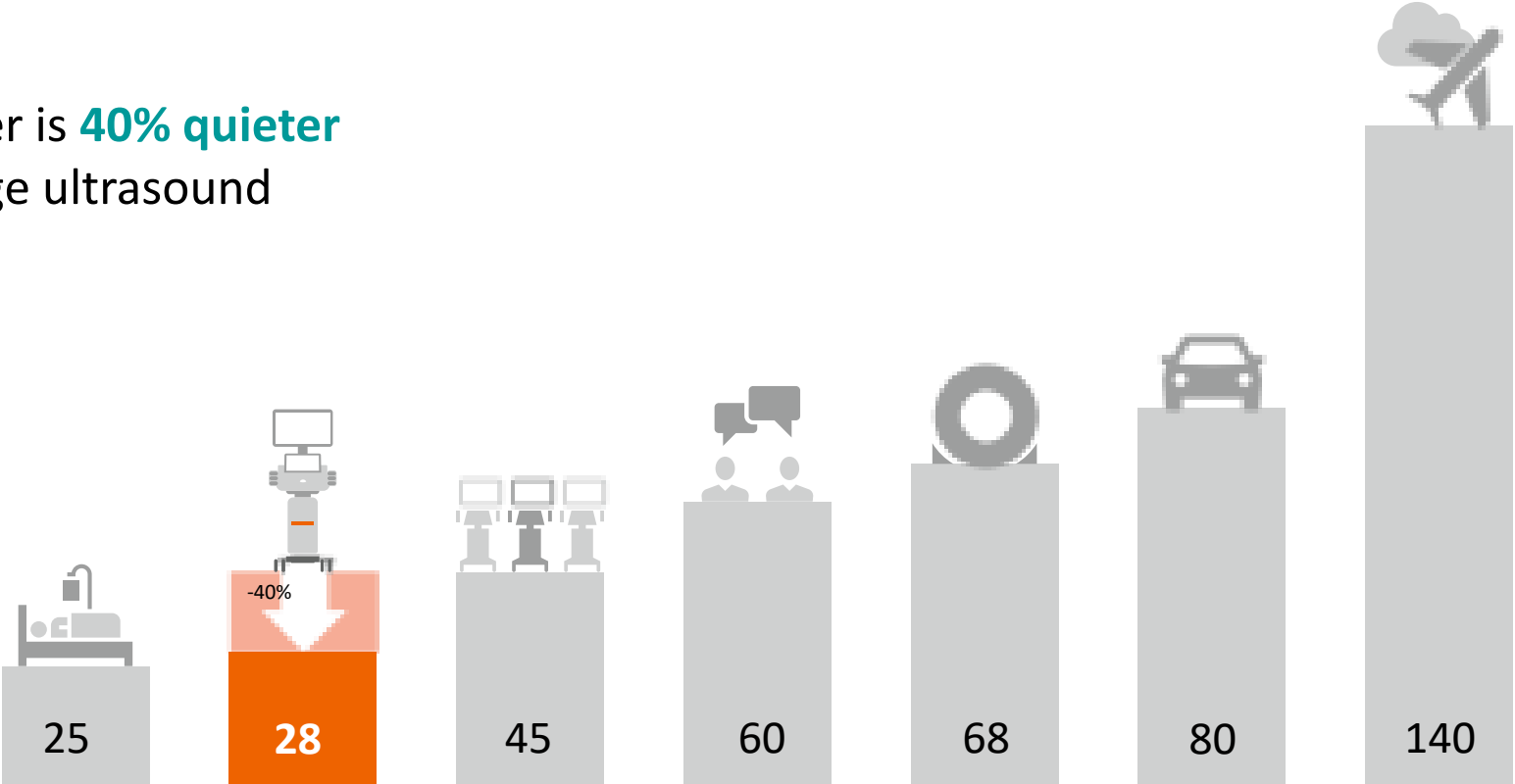
Vendor C
+36% larger



Where form and function meet

Offering a comfortable environment for the patient

ACUSON Juniper is **40% quieter**
than the average ultrasound
system



Sound pressure in decibels (dB).

Where form and function meet

Bringing mobile workflow to the next level



Where form and function meet

Bringing mobile workflow to the next level



Battery Support

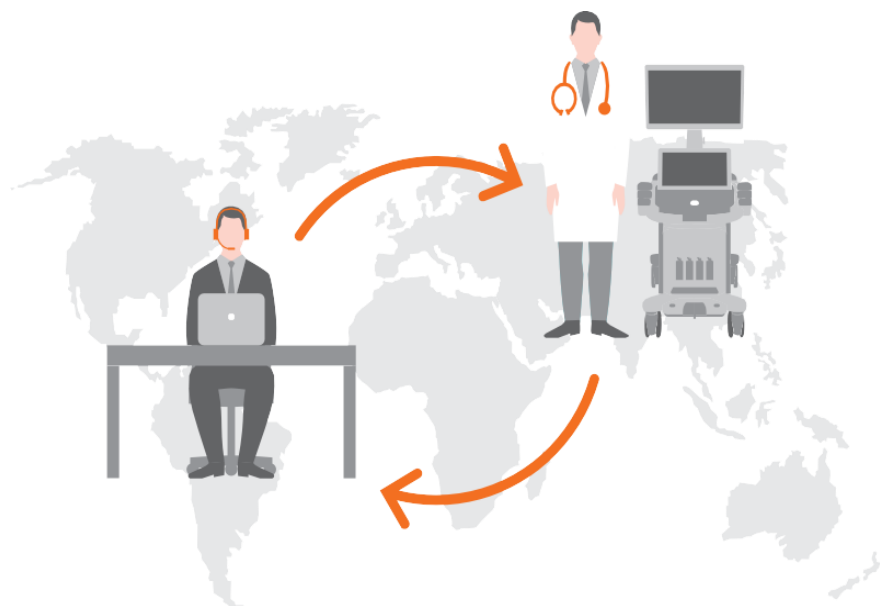
Up to 75 minutes of
scanning unplugged

Rapid assessment and improved efficiency at the bedside with integrated Battery Support.



Connect platforms

Stay connected with confidence to deliver optimal care



Smart Remote Services (SRS) is a rapid and secure connection to remote technical and clinical support.



PEPConnect* is a smarter connection to knowledge – providing online education designed to increase staff competency, efficiency, and productivity. Available 24/7

At Siemens Healthineers, we enable customers to achieve better outcomes by ensuring their needs are our own, especially when it comes to system reliability and uptime. Stay connected with confidence to receive optimal support with a robust set of remote platforms and services.

ACUSON Juniper 2.5

When more is essential

Powerful imaging for reliable results

Experience advanced imaging techniques to enable confident and consistent ultrasound images, without the effort

New level of clinical versatility

Access a vast selection of transducers and advanced features to delivers clinical excellence across clinical areas

Where form and function meet

Fit into virtually any clinical environment without sacrificing on imaging performance and portability

Thank you for your enthusiasm!

Siemens Healthineers

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