

PHILIPS

Ultrasound

EPIQ Elite Elevate

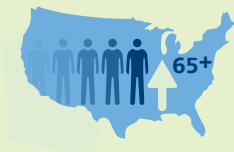


Go beyond
diagnosis.
Accelerate care.

Philips EPIQ Elite Elevate

Ultrasound that's built for the challenges you face

Because the challenges aren't getting easier, Philips ultrasound continues to evolve.



From 2019 to 2034, U.S. population is projected to grow by 10.6%, **with 42.4% increase in ages 65+**¹



Patient populations that are **technically difficult to scan** and cases that are more complex



Imaging staff think **23% of their work is inefficient** and would be better if automated²



Budget constraints



Time shortage for clinicians



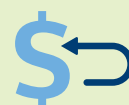
Long wait times for patients



Need for telehealth and remote access to care for increased patient accessibility of exams



Growing **global shortage of radiologists** and other clinicians, and an aging population³

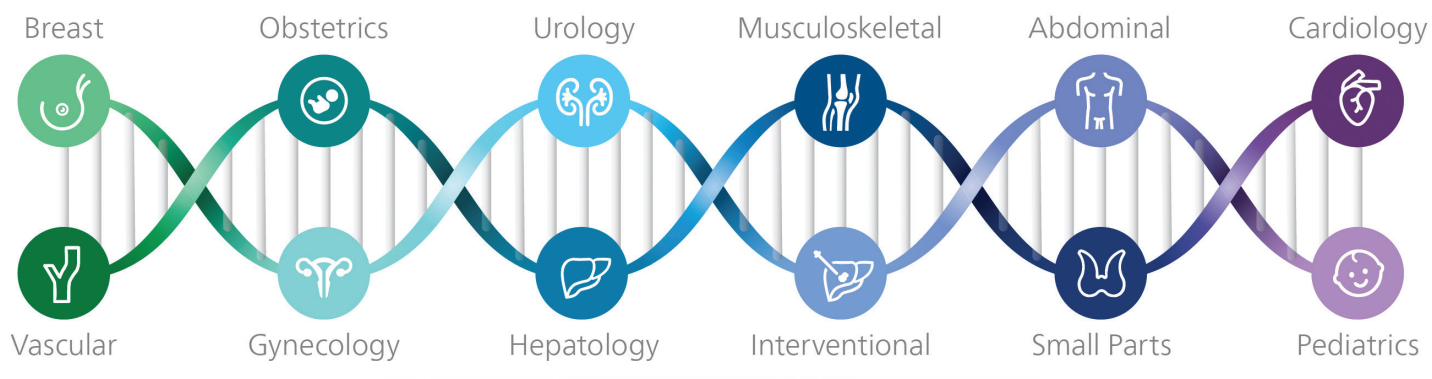


Unnecessary, suboptimal and repeat imaging cost as much as \$12B+ annually⁴

A universal ultrasound platform

EPIQ Elite Elevate offers exceptional performance across all clinical segments. Access advanced tools and capabilities for confident imaging with advanced insights.

This innovative platform with shared Philips DNA and shared transducers allows you to work across clinical settings



Realize exceptional value with shared DNA across applications and products

Image quality • Versatility • Ease of use • Connectivity • Cost of ownership

The right answers at the right time

EPIQ Elite Elevate offers our unique combination of high-quality images and clinical information to help you quickly provide the right answers – at the point they're needed – to more people around the world.

Confident imaging

Advanced insights

Intuitive experience

Trusted partner

Innovation that never stops

Faster exam time with quick launch presets

Higher diagnostic confidence with innovative transducers

Auto Scan and Flow Viewer now featured across more presets

Enhanced CEUS image quality

Improved workflow, including body marker imports

FlexVue with Orthogonal View with quantification

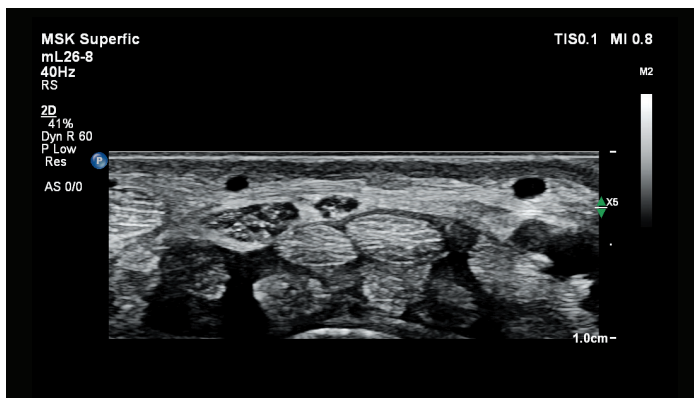
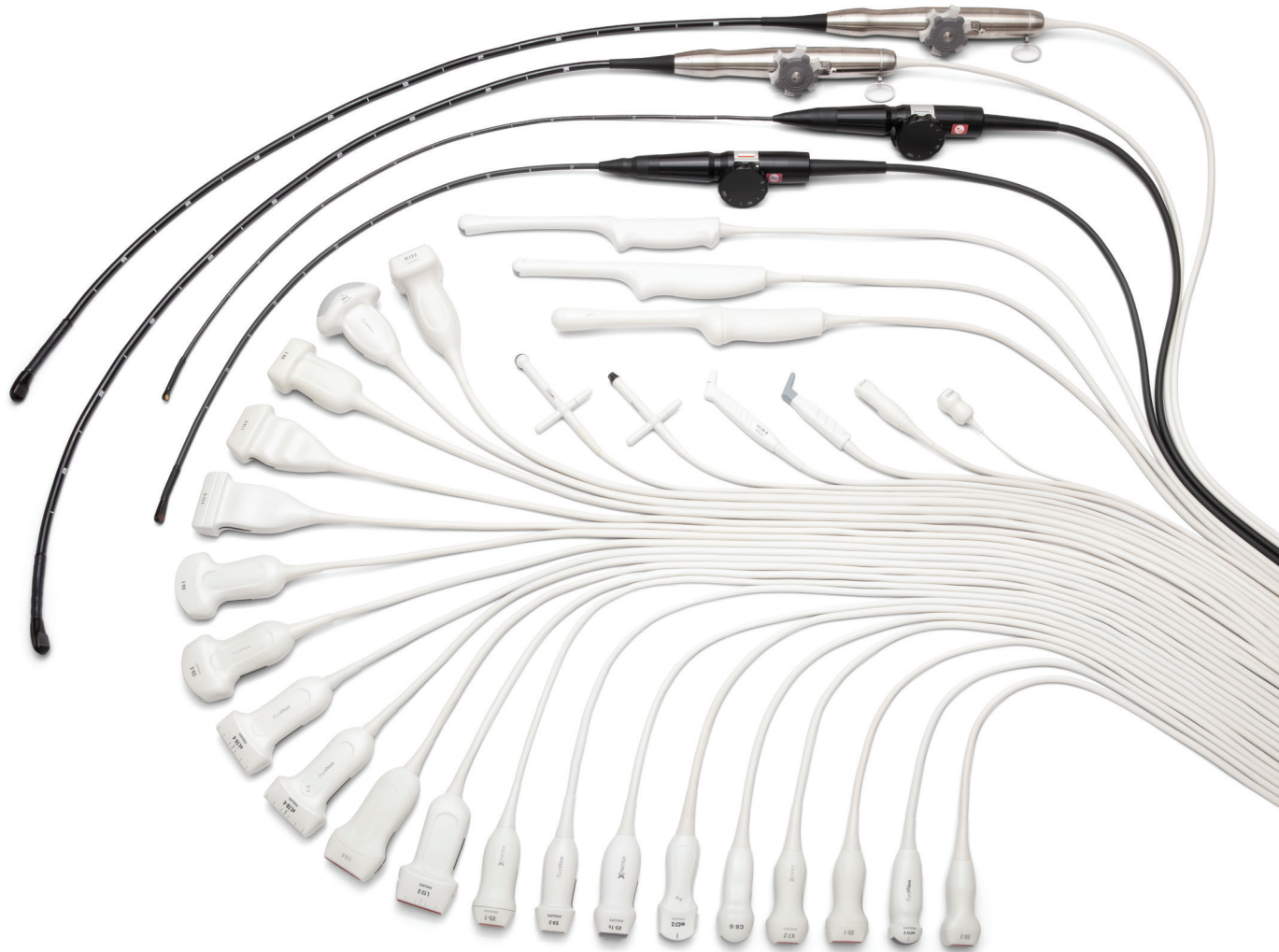


Confident imaging

Transducers that keep you ahead

Innovative and lightweight transducers provide advanced capabilities and excellent superficial resolution and penetration for exceptional image quality, even for technically difficult patients.⁵

Re-optimized imaging for small parts, abdomen, vascular, pediatrics and OB/GYN across a variety of transducers and tissue-specific presets (TSPs) on EPIQ Elite Elevate.



mL26-8 transducer

Our award-winning transducer* features our highest frequency, offering

36% improved spatial resolution
and 64% improved penetration

in superficial applications.**†



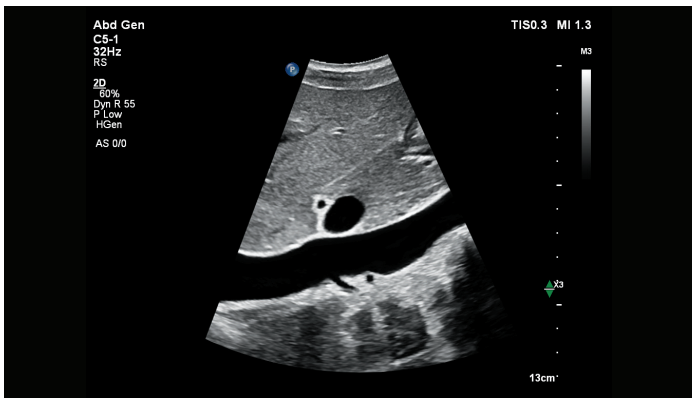
Wrist imaging with the mL26-8 transducer.

*Awarded "Best Innovation Award" in General Imaging by Journées Francophones de Radiologie (2023)

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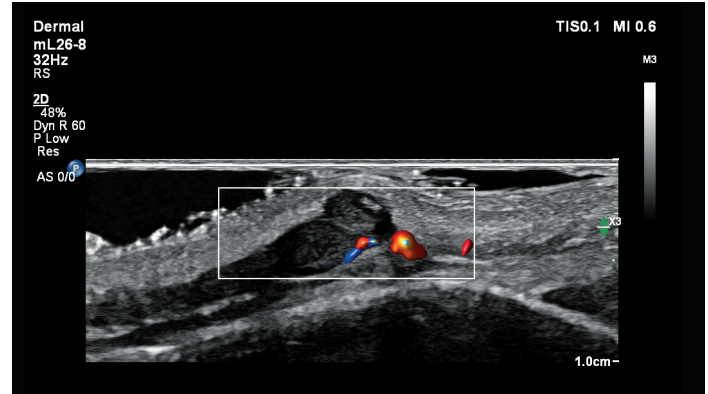
†Compared to the predecessor transducer L15-7io.

Enhance clinical confidence for virtually all patients



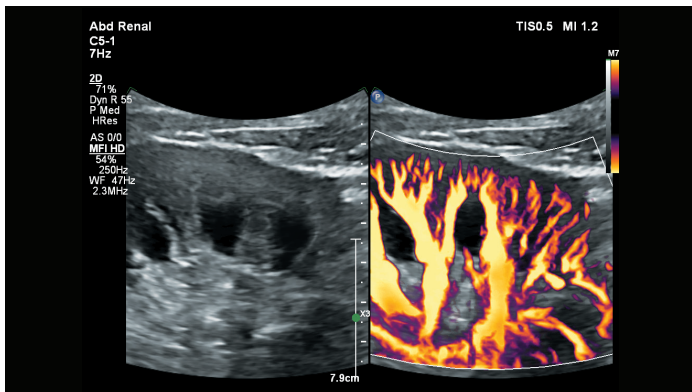
Next Gen Auto Scan

Improves image uniformity, adaptively adjusting image brightness at every pixel, reducing rib shadowing and the need for user adjustment while also improving transducer plunkability. Reduces button pushes by up to 54% with pixel-by-pixel real-time optimization.* Now featured on 10 transducers and 54 TSPs.



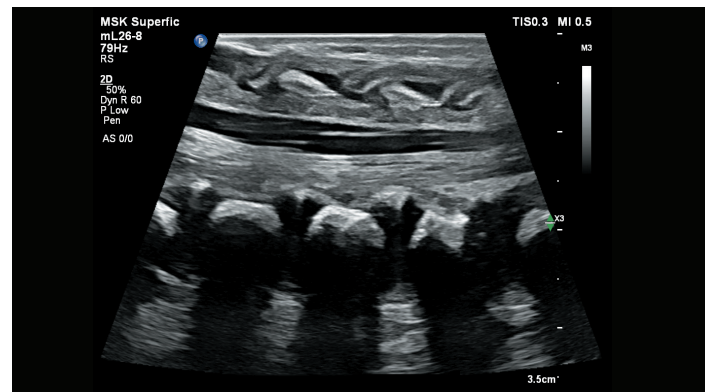
Flow Viewer

Defines vasculature with a 3D-like appearance using both the velocity and power of the Doppler signal to accurately represent vascular flow topography. Now featured on 10 transducers and 111 TSPs.



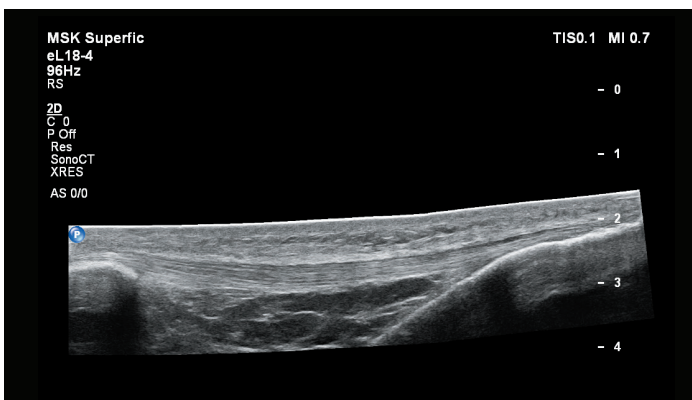
MicroFlow Imaging HD (MFI HD)

Offers 2x the sensitivity and resolution of MFI in assessing blood flow.**



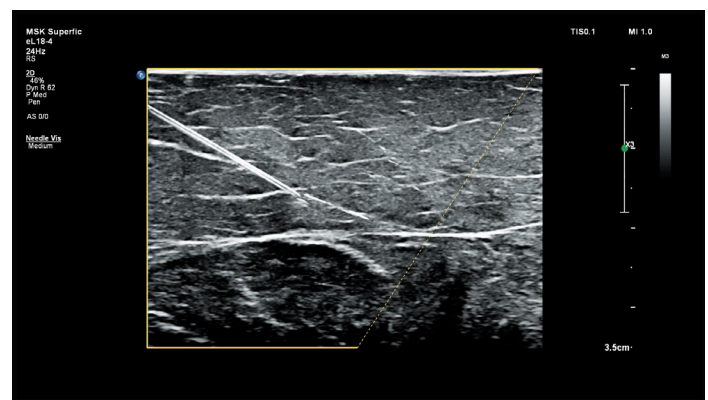
Trapezoid Imaging

75% larger field of view than previous generation with trapezoid imaging provides earlier visibility to the needle for faster procedures.†



Panoramic view

Provides the entire landscape in a single view for a global representation of anatomical structures.



Needle visualization

Enhances needle visualization for interventional procedures.

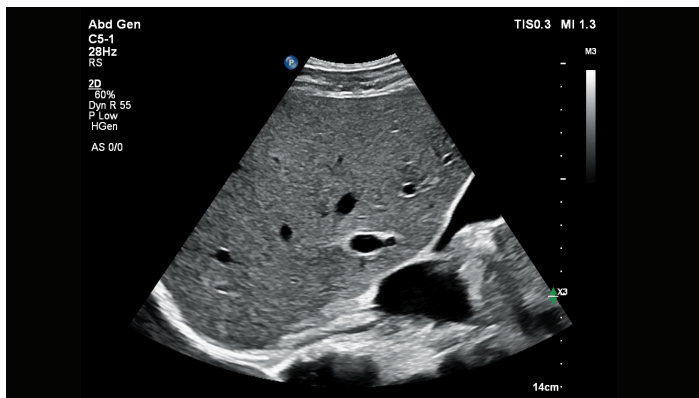
*When comparing Release 10 performance to Release 7 performance.

**Internal measured comparison on standard MFI to MFI HD using clinical targets and standard measurement methodology

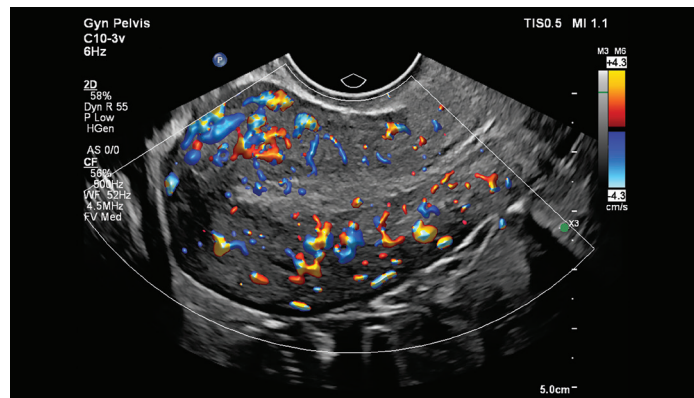
6 †Comparing the mL26-8 to the predecessor transducer L15-7io for all depths greater than 1.6 cm.

Exceptional image quality

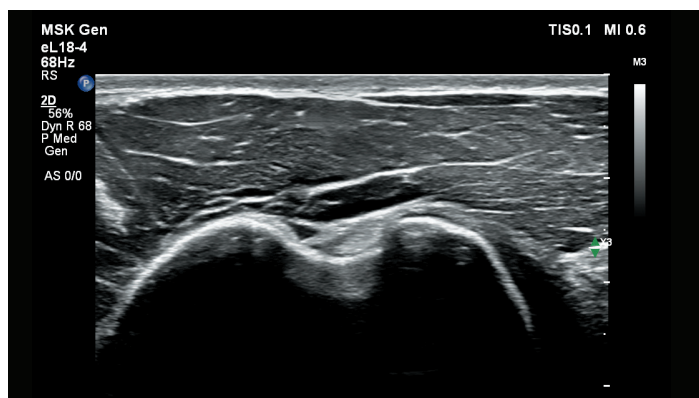
Our comprehensive range of transducers includes those with the power of PureWave crystal transducer technology for outstanding image quality even in technically difficult patients (TDP).⁵



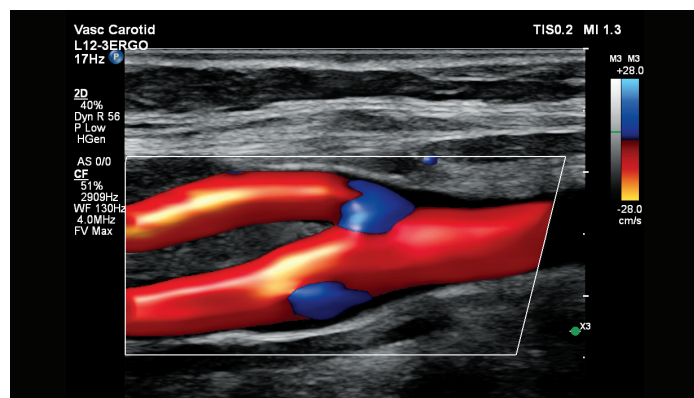
Liver imaging with the C5-1 transducer



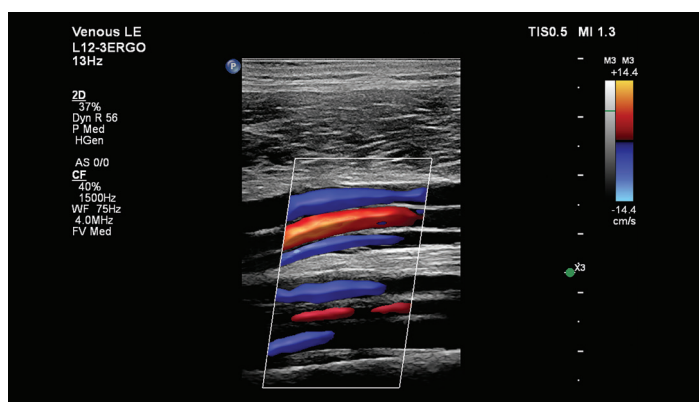
Uterine imaging with the C10-3v transducer



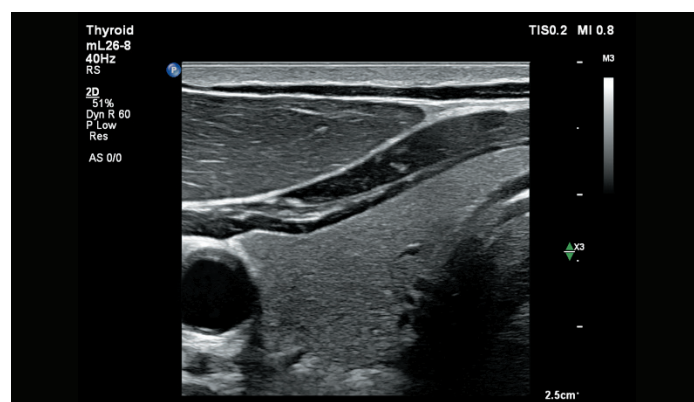
Bicep tendon with eL18-4 transducer



Carotid imaging with the L12-3 transducer

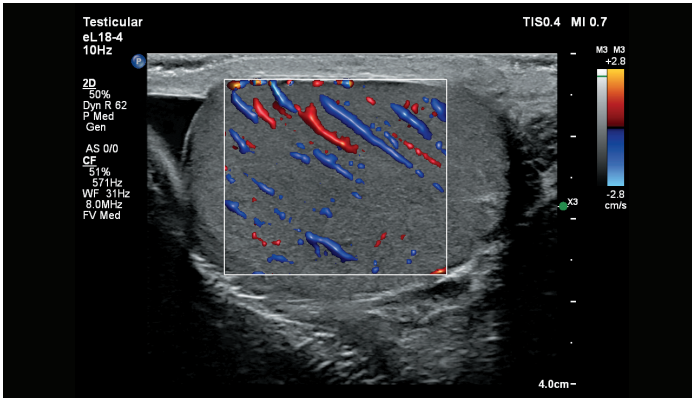


Calf vein imaging with the L12-3 transducer

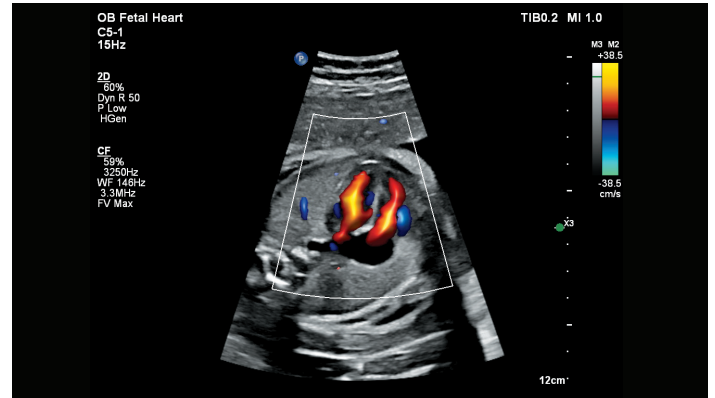


Thyroid imaging with mL26-8 transducer

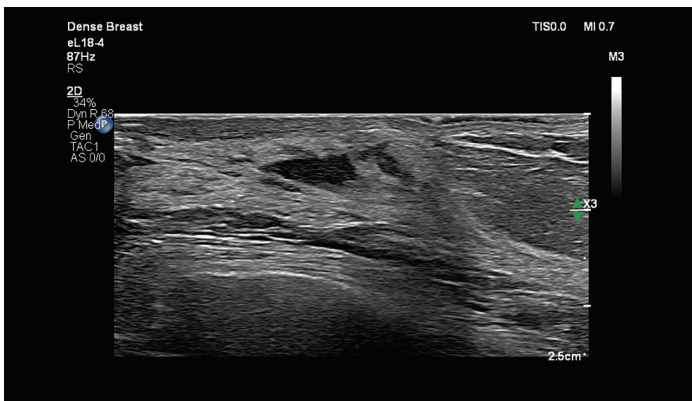
All clinical segments



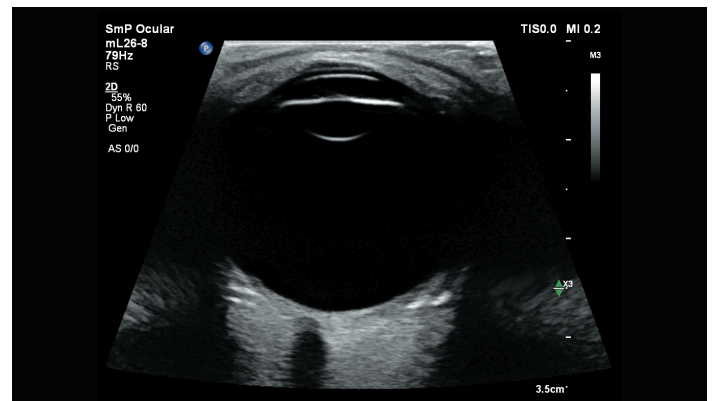
Testicular imaging with the eL18-4 transducer



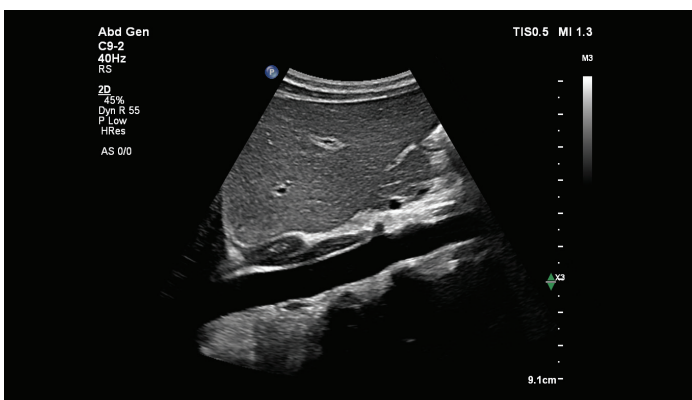
Fetal echo with the C5-1 transducer



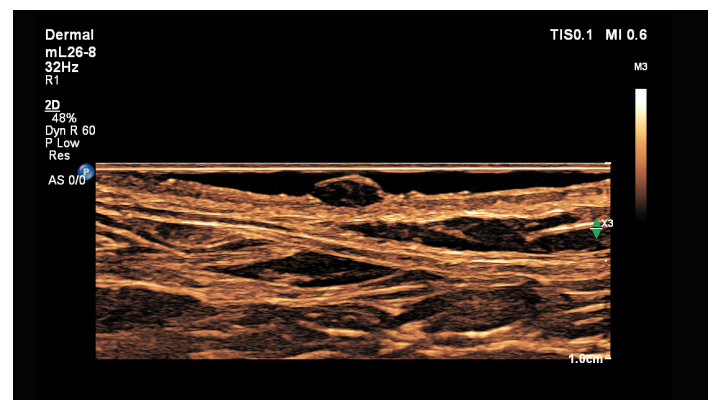
Breast imaging with the eL18-4 transducer



Optic nerve imaging with the mL26-8 transducer



Pediatric liver imaging with the C9-2 transducer

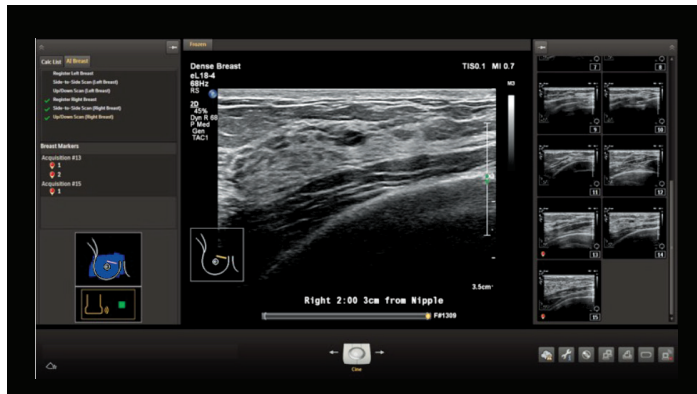


Dermal imaging with the mL26-8 transducer

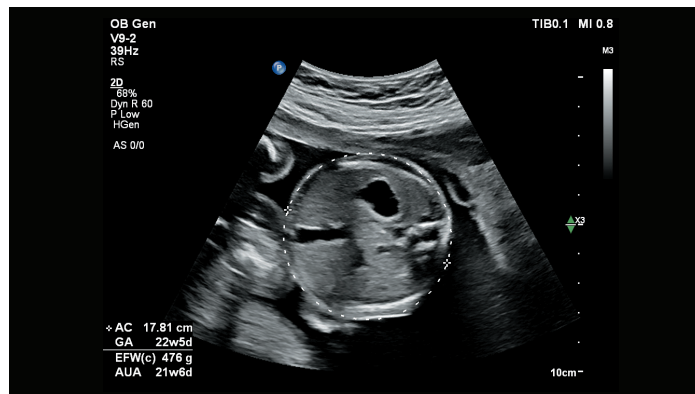
Advanced insights

Gain fast, more reproducible analysis

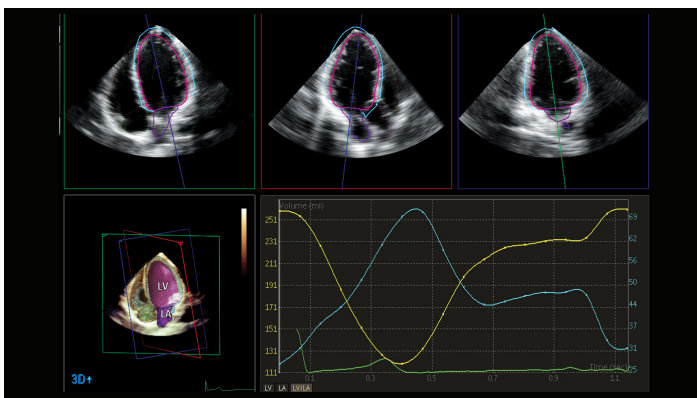
See exceptional levels of clinical information, range of capabilities and advanced quantification.



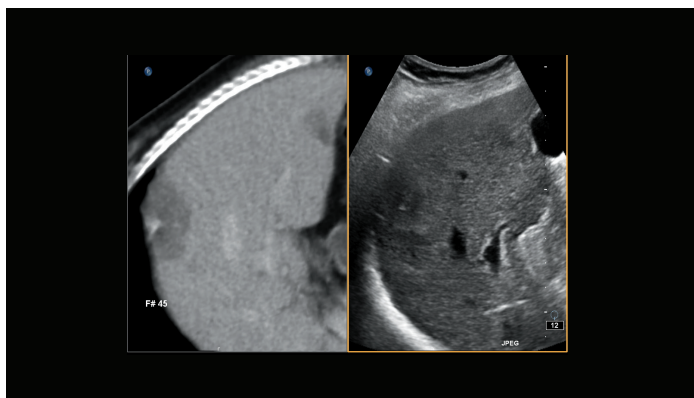
AI Breast



Biometry Assist



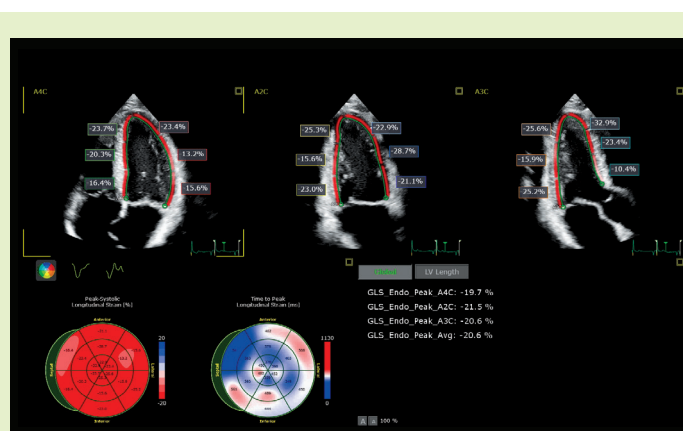
Dynamic HeartModel



Auto Registration for CT and MR



3D Auto Edit

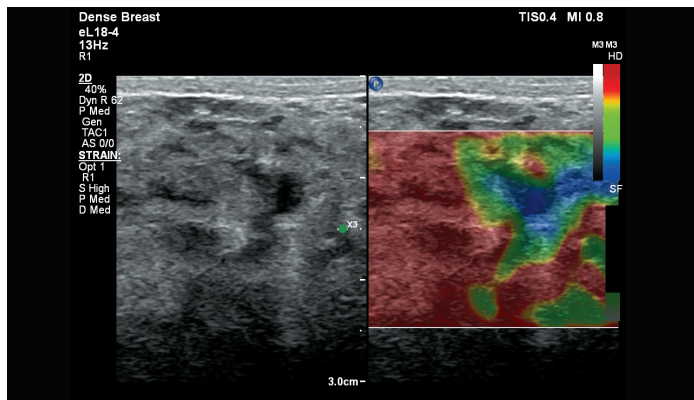


AI for everyday echo with increased efficiency and clinical confidence

AI-enabled Auto Strain and Auto Measure offer fast, reproducible results for easy comparison of functional data. Auto Strain LV shows left ventricle global longitudinal strain (LV GLS) with a single click.

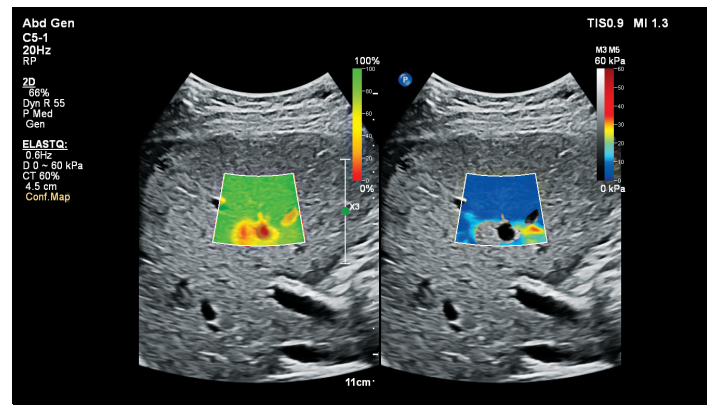
Reveal more definitive information

Our full solution for elastography supports both strain and shear wave methods. Highly sensitive strain imaging helps rapidly assess relative tissue stiffness values. Auto ElastQ is designed to simplify user workflow for providing quantitative shear wave measurements in real time.



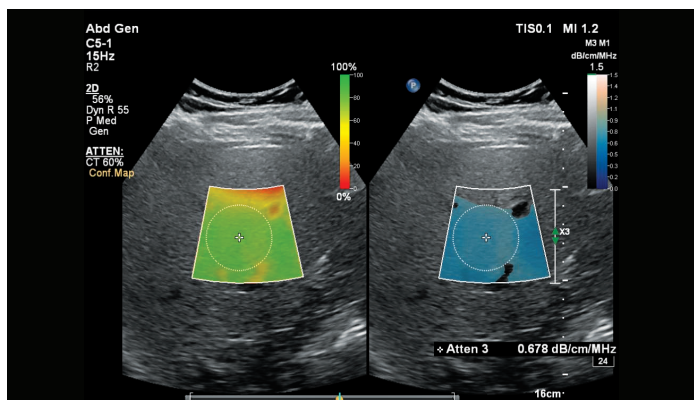
Strain elastography

This qualitative technique allows the user to see the relative stiffness of a questionable lesion compared to the surrounding tissue.



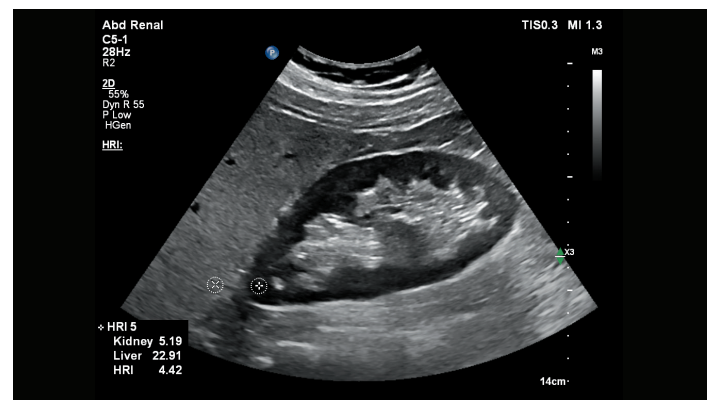
Auto ElastQ

Perform automated liver elastography with Auto ElastQ, and experience our next generation of liver health assessment, which is designed for simplified user workflow.



Liver Fat Quantification (LFQ)

EPIQ Elite Elevate offers an all-in-one ultrasound solution that is noninvasive and cost-effective,* to deliver liver fat quantification and liver stiffness assessment. This is liver health assessment made easy.



Hepatorenal index (HRI)

Quantitatively compares the echogenicity of the liver to that of a healthy kidney.

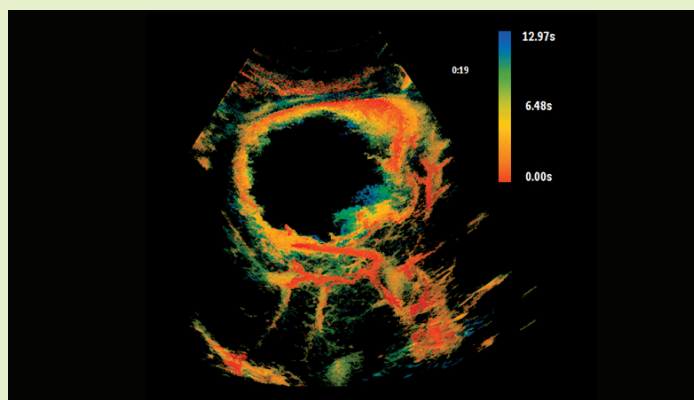


Expand the utility of ultrasound



Microvascular Imaging Super Resolution Contrast-enhanced Ultrasound (Super Resolution MVI)

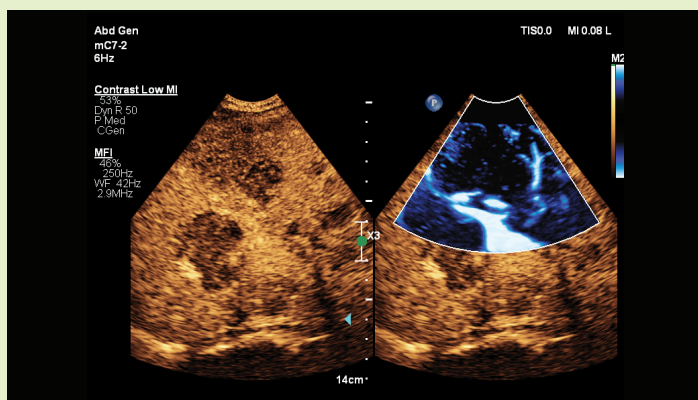
Improves resolution by more than 200% through advanced motion compensation for higher spatial resolution, reduced motion artifacts and increased wash-in filling pattern visibility.*



Time of Arrival

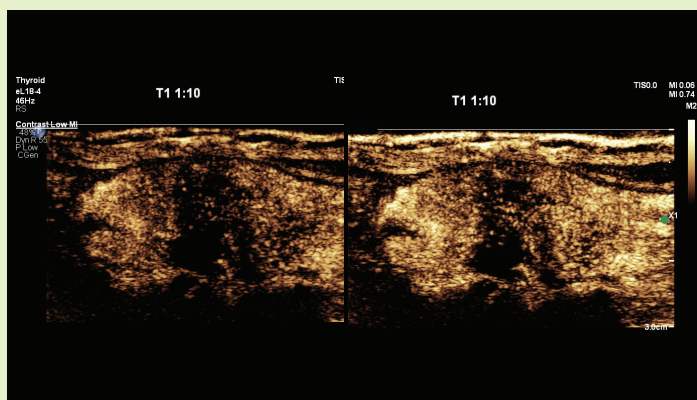
Provides concise visualization of the temporal patterns of perfusion while maintaining the superb spatial resolution offered by Super Resolution MVI.

Clinical images above are courtesy of Dr. Stephanie Wilson.



Contrast-enhanced ultrasound (CEUS)

CEUS can transform the role of ultrasound in the liver, allowing the study of the enhancement patterns of suspicious liver lesions in real time, as well as provide an alternative non-ionizing approach to the assessment of vesicoureteral reflux in pediatric patients.



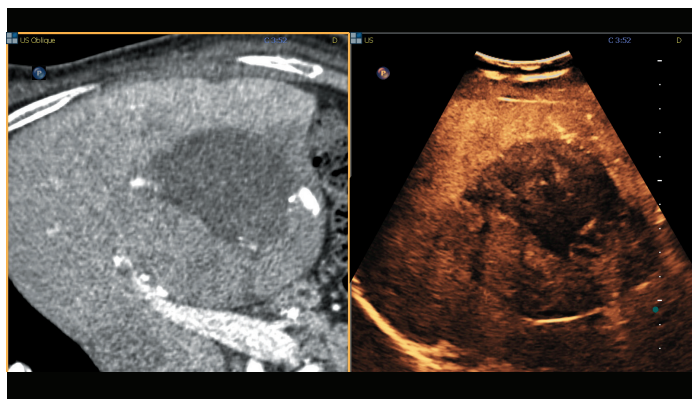
CEUS high frame rate linear and Auto Scan

See a 67%** increase in CEUS frame rate and a 76%** increase field of view with the eL18-4 transducer when thyroid scanning. CEUS Auto Scan improves image uniformity and sensitivity.

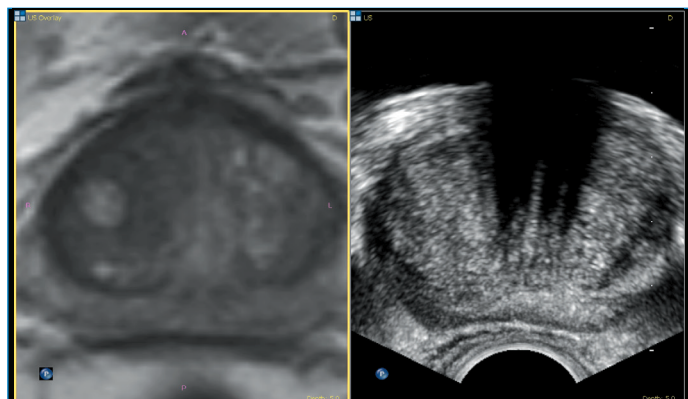
*Compared to previous capability.
**D001789392.

Streamline image fusion and navigation

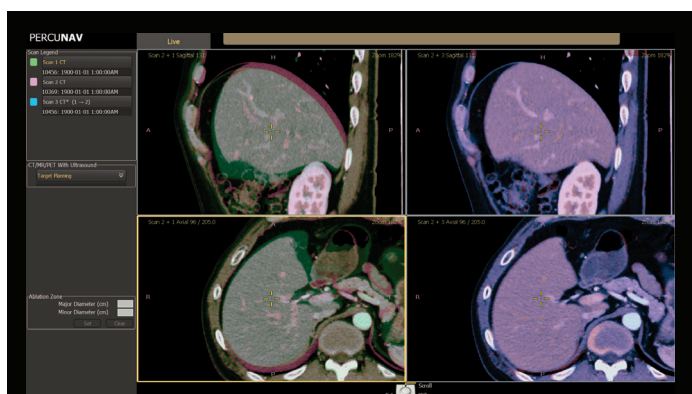
Streamlined workflows allow fast and effective fusion of CT, MR or PET with live ultrasound



CT and ultrasound fusion of liver mass with CEUS

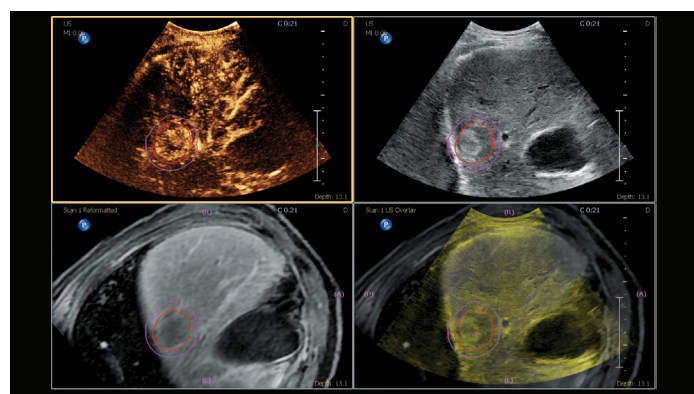


Prostate fusion imaging



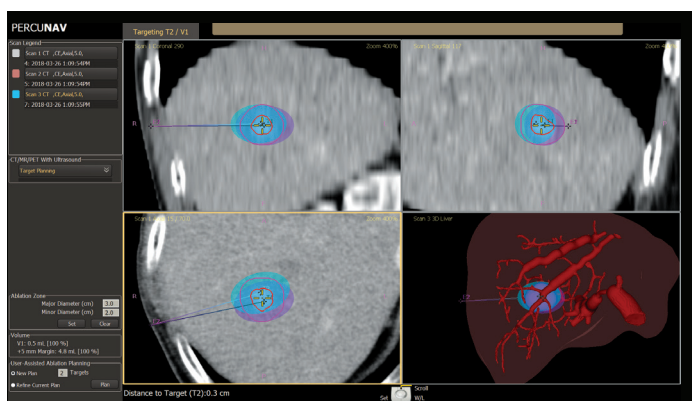
User-assisted co-registration

This is a one-button method for co-registering CT images to ultrasound.



Tumor contour

Visualize your target with a semiautomated tool that helps outline a 3D contour around a structure of interest, rendering the lesion in 3D or 2D via a complementary modality.



User-assisted ablation planning

Generate an optimal treatment plan based on a segmented tumor, designed to develop a quick initial ablation plan, which the user can then adjust.

Continuous patient tracking

Needle location in relation to CT is tracked and updated in real time for procedure visualization so that once the registration step is complete, the patient or field generator can move without losing anatomical landmarks or diminishing accuracy.

Provide additional insights

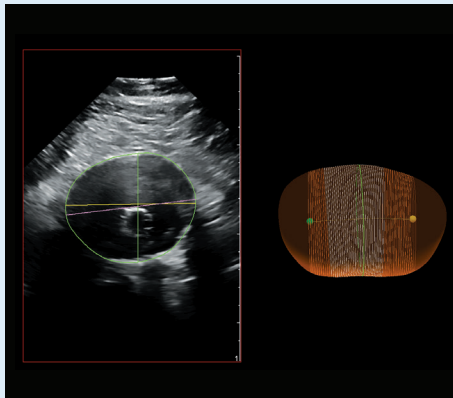


Simplify 3D/4D

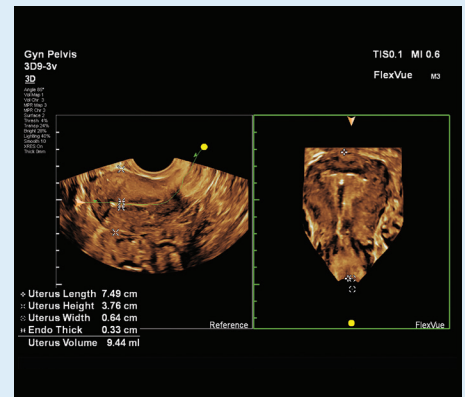
What used to take 10 steps with conventional interface now takes just one step. TouchVue finger manipulation of 3D and 4D information simplifies the examination with icon-driven workflow and allows all users to experience a new dimension in vascular imaging.



TrueVue with 3D flexible virtual light source delivers photorealistic fetal images.



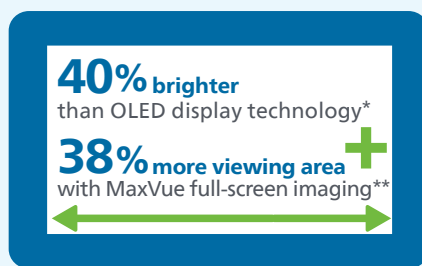
Abdominal Aortic Aneurysm (AAA) Model segments and quantifies 3D ultrasound data for surveillance of native and post-EVAR AAAs with interoperator reproducibility superior to that of 2D ultrasound.



FlexVue measurements help easy visualization of technically difficult anatomical views from 3D volumes.

Intuitive experience

HD MAX display



Next Gen Auto Scan

Improves image uniformity, adaptively adjusting image brightness at every pixel and reducing the need for user adjustment while also improving transducer plunkability. **Reduces button pushes by up to 54% with pixel-by-pixel real-time optimization.**†



Superb ergonomics

More than 80% of sonographers experience work-related pain, and more than 20% of these suffer a career-ending injury.⁶ **Multiple degrees of articulation for both control panel and monitor offer 720° of freedom for scanning comfort.**



Remote Software Delivery (RSDi)

to keep your capabilities and security current.



SmartExam

Enhances user workflow with **system-guided protocols** that can be easily customized to suit your needs.

Quick launch presets, body marker imports and color-coded annotations enhance user workflow. Quick launch presets offer a 55% decrease in button pushes during an abdominal exam.[‡]

Intuitive tablet-like user interface

A user -friendly design that simplifies navigation and reduces exam time. Dramatically reduces reach and button pushes, with **40% to 80% less reach and 15% fewer steps.**[§]

Post-processing controls

Reduces the need for repeat scans. 84% of users reported that rescanning the patient could be avoided due to unsatisfactory image quality resulting from inappropriate image settings.[¶]



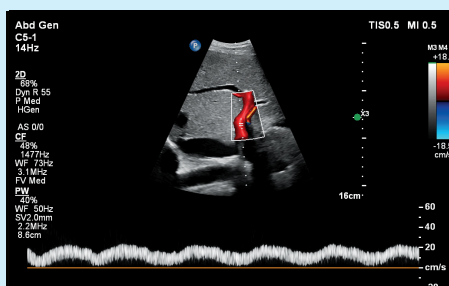
Battery backup

Enables near-instantaneous boot up through a battery life of 45 minutes. One of the greenest systems we've ever designed, EPIQ Elite Elevate reduces energy usage by 29%.[#]

Uses **29% less power**[#]

Auto Doppler

Adjusts optimal flow sensitivity and resolution, **reducing 10 steps to 3 steps** and also reducing the number of repetitive button pushes by an average of **68%.**⁷



Abdominal imaging with the C5-1 transducer



Reduce number of button pushes by

68%



*Internal specification comparison of OLED on EPIQ CVx versus EPIQ HD MAX.

**Compared to our previous monitor without MaxVue.

†When comparing release 10 performance to release 7 performance.

‡D001833994, Marketing Claim Evidence for Release 12.0 Workflow Efficiency Quick Launch Preset.

§2013 engineering study comparing Philips iU22 ultrasound system with EPIQ.

¶This is based on a sample size of n=37 users.

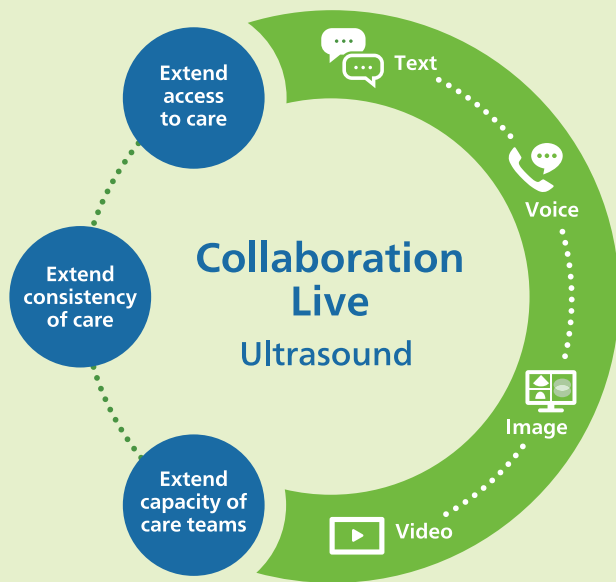
#Philips EPIQ Elite US EcoPassport.

Trusted partner

Ultrasound Collaboration Live with multi-party*

Extend your team without expanding it
Remote access to help elevate diagnostic confidence, now with simultaneous multi-party communication

Up to six users can quickly and securely talk, text, screen share and video stream directly from the ultrasound system for access to multiple clinical resources at a distance, allowing for fast time to diagnosis.



Flexible financing

Innovative solutions tailored to you, with the financial flexibility to manage capital budgets and return on investment, supporting your continued growth.

Defense-in-depth security

Philips ultrasound is developed for security as well as clinical capability.⁸

Comprehensive clinical education

To improve operational efficiency and support patient care.

Remote Software Delivery (RSDi)

Receive diagnostics and software remotely, schedule updates on your own time without system downtime and receive sustaining updates to keep your capabilities and security current.

A world leader in sustainability

Philips is committed to lifecycle circularity for its systems.**

*Contract required. Requires release 7.0.5 or higher. Diagnostic use and remote access via mobile device or browser requires release 9.0 or higher. Multi-party and system-to-system connect require release 10.0 or higher.

**<https://www.philips.com/a-w/about/environmental-social-governance/environmental.html>



1. IHS Markit Ltd. The complexities of physician supply and demand: projections from 2019 to 2034. Washington, DC: AAMC; 2021.
2. Radiology staff in focus: A radiology services impact and satisfaction survey of technologists and imaging directors. A research study conducted for Philips by The MarkeTech Group, 2019.
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4. Enrollment snapshot of radiography, radiation therapy and nuclear medicine technology programs-2017. American Society of Radiologic Technologists. https://www.asrt.org/docs/default-source/research/enrollment-snapshot/enrollment_snapshot_2017.pdf?sfvrsn=45b959d0_4.pdf
5. Chen J, Panda R, Savord B. Realizing dramatic improvements in the efficiency, sensitivity and bandwidth of ultrasound transducers: Philips PureWave crystal technology. Koninklijke Philips N.V. Aug 2006.
6. Society of Diagnostic Medical Sonography, Industry Standards for the Prevention of Musculoskeletal Disorders in Sonography, May 2003.
7. Philips Auto Doppler Clinical Study, Dec. 2011.
8. EPIQ and Affiniti Security white paper, document number 452299180531, April 2023.

Find out more at www.philips.com/GI



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