



PHILIPS

Ultrasound

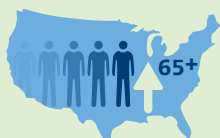
Affiniti Elevate

Designed for your everyday

Philips Affiniti 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 a 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

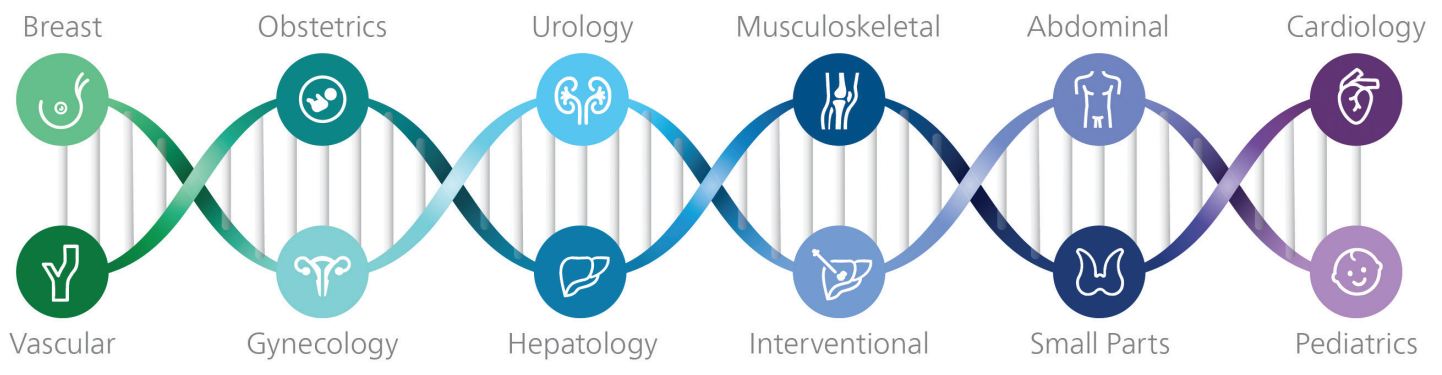


Unnecessary, suboptimal and repeat imaging cost as much as \$12B+ annually⁴

A universal ultrasound platform

Affiniti 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 • Connectability • Cost of ownership

Designed for your everyday

Affiniti Elevate offers a combination of robust performance and value to take you into the future of ultrasound.

Intuitive experience

Confident imaging

Advanced insights

Trusted partner

Intuitive experience



SmartExam

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



Next Gen Auto Scan

Now featured across 44 tissue-specific presets (TSPs), **improves image uniformity, reducing button pushes by up to 54%** with pixel-by-pixel real-time optimization and decreasing the need for user adjustment while also improving transducer plunkability*



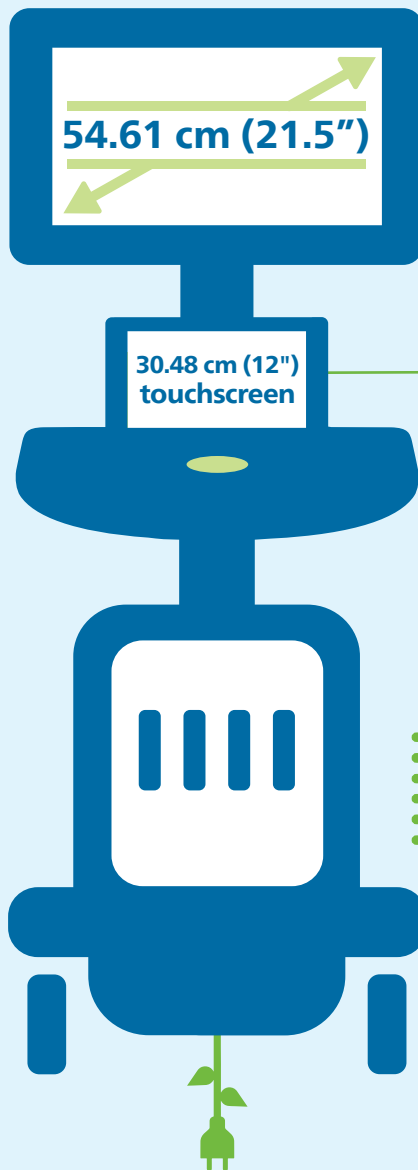
Superb ergonomics

Multiple degrees of articulation for both control panel and monitor offer **720° of freedom for scanning comfort** (important because more than 80% of sonographers experience work-related pain, and more than 20% suffer a career-ending injury⁵)



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.



Uses **37% less power**[†]



54.61 cm (21.5") monitor with 180° movement enhances scanning comfort whether standing or sitting

MaxVue

More viewing area with MaxVue full-screen imaging

Quick launch presets, body marker imports and color-coded annotations

Quick launch presets streamline ultrasound exams, with a **60% decrease in button pushes**** during an obstetric exam. Quickly switch presets during exams without losing time to re-optimize the image and without having to go to the main TSP touchscreen.



Post-processing controls

Reduces the need for repeat scans.

84% of users reported that rescanning the patient due to unsatisfactory image quality resulting from inappropriate image settings could be avoided.[†]

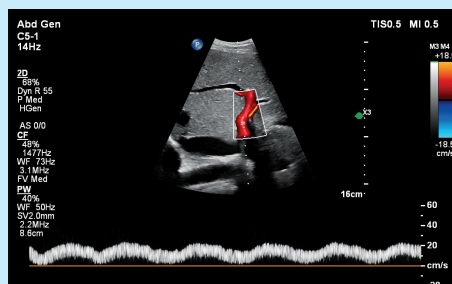


Battery backup

Enables near-instantaneous boot up through battery backup. Optimize your ultrasound carbon footprint: One of the greenest systems we've ever designed, Affiniti eco consumes 37% less power than its predecessor.[‡]

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%.**⁶



Abdominal imaging with the C5-1 transducer



Reduce number of button pushes by

68%⁶

*When comparing release 10 performance to release 7 performance.

**D001833994, Marketing Claim Evidence for VM12.0 Workflow Efficiency Quick Launch Preset.

†Based on a sample size of n=37 users.

‡Compared to predecessor HD11 XE. Affiniti EcoPassport.

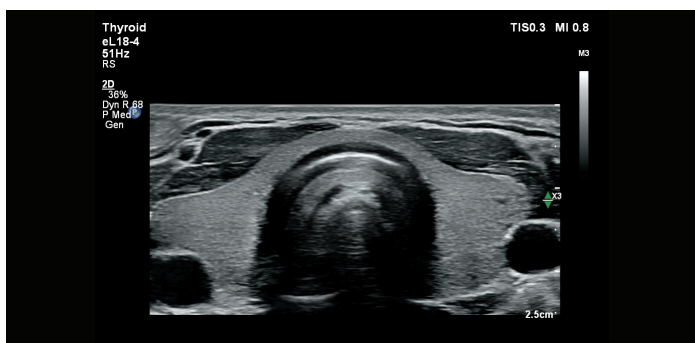
Confident imaging

Imaging performance you can rely on

PureWave crystals have enhanced uniformity for greater bandwidth, resulting in excellent detail resolution and improved Doppler sensitivity.⁷ Affiniti Elevate combines PureWave crystal transducer technology with precision beamforming to deliver exceptional image quality quickly, with little or no additional image optimization required.

Precision beamforming

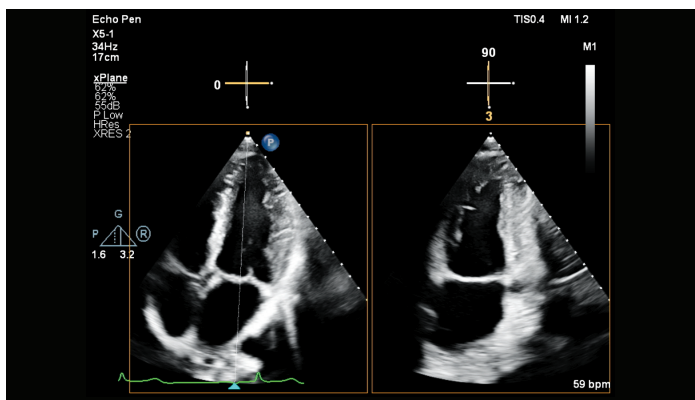
Wide dynamic range and superb spatial and contrast resolution offer outstanding tissue uniformity.



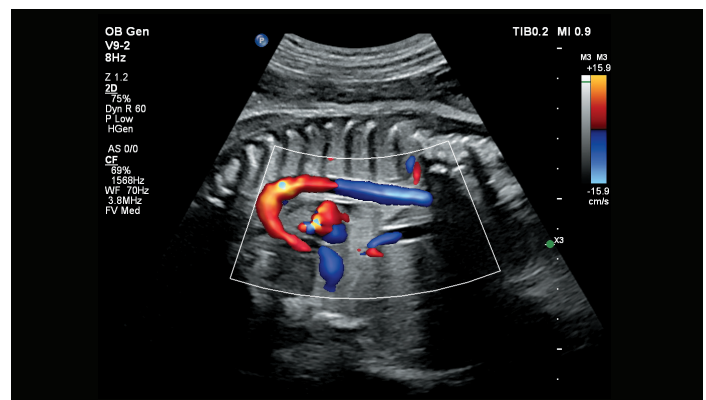
Transverse view of thyroid using the eL18-4 transducer

Thin-slice imaging

The multi-row array configuration provides full electronic focusing of the elevation plane, working in conjunction with azimuthal focusing for excellent thin-slice imaging.



Cardiac imaging with the X5-1 transducer



Fetal aortic arch with Flow Viewer

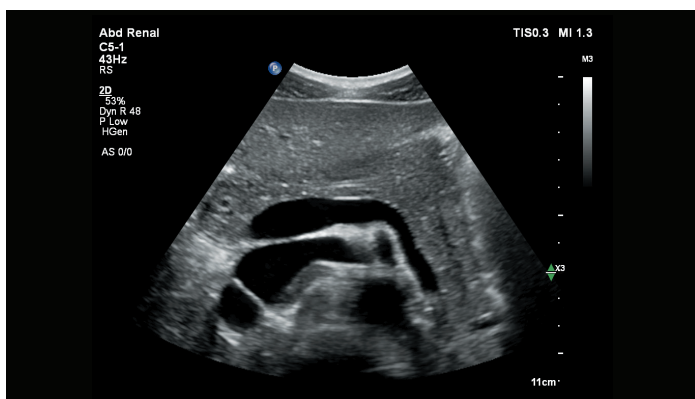
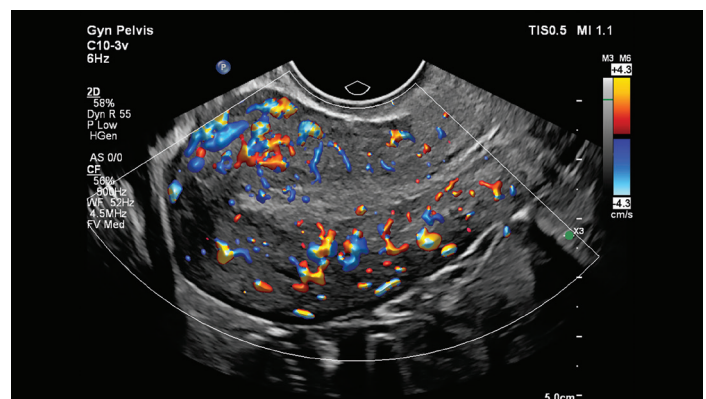


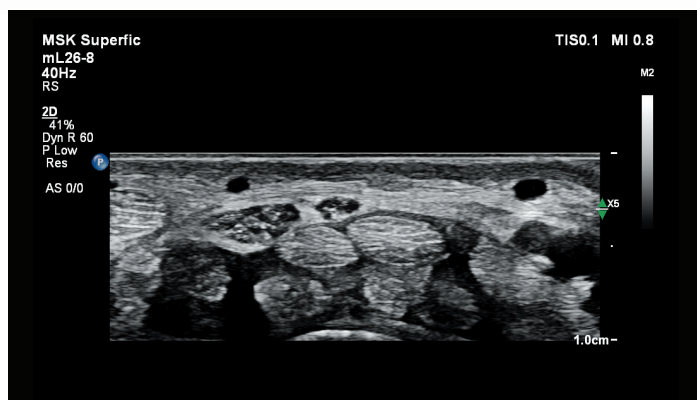
Image of the pancreas with the C5-1 transducer



Uterine imaging with MicroFlow Imaging (MFI)

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.⁷



mL26-8 transducer

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

55% improved axial resolution and 53% improved penetration

in superficial applications.** †



Wrist imaging with the mL26-8 transducer.

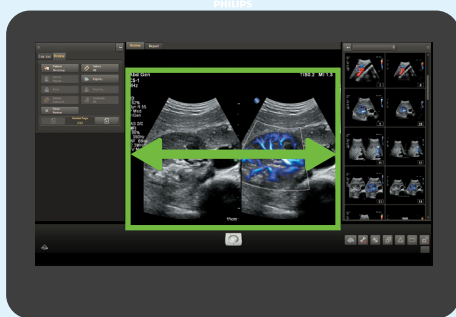
*Awarded "Best Innovation Award" in General Imaging by Journées Francophones de Radiologie (2023)

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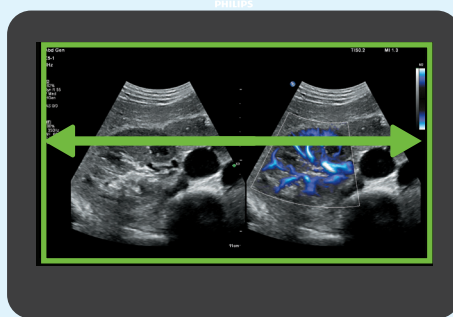
†Compared to the predecessor transducer L15-7io.

A broader view of what ultrasound can do

Affiniti is an easy-to-use system with advanced imaging capabilities for the range of patients you see.



Usual 4:3 display
Image area: 1024 x 768



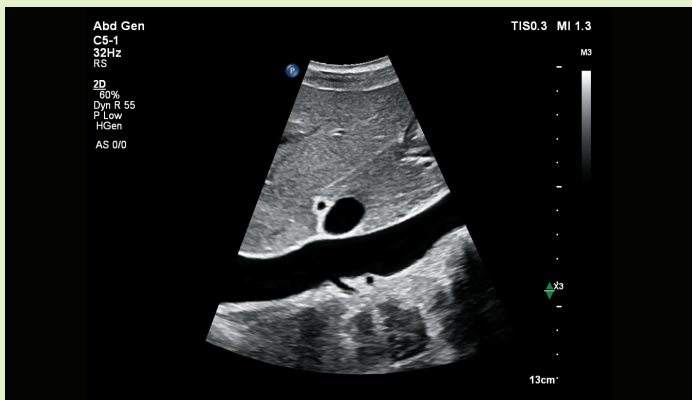
MaxVue full high-definition display
Image area: 1920 x 1080

MaxVue full-screen imaging

Enhances ultrasound viewing during interventional procedures and enhances display of dual, side-by-side, biplane and scrolling imaging modes.

Next Gen Auto Scan

Improves image uniformity, adaptively adjusting image brightness at every pixel, reducing rib shadowing.



Panoramic image of the patellar tendon

Flow Viewer

Now across 74 TSPs, **defines vasculature with a 3D-like appearance** using both the velocity and power of the Doppler signal to accurately represent vascular flow topography.

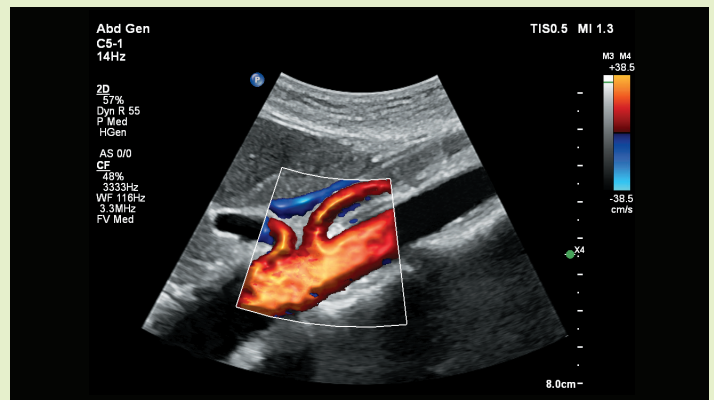
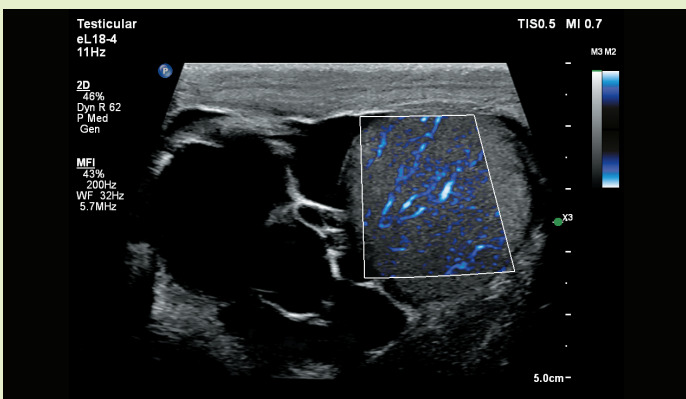


Image of the aorta with the C5-1 transducer

MicroFlow Imaging (MFI)

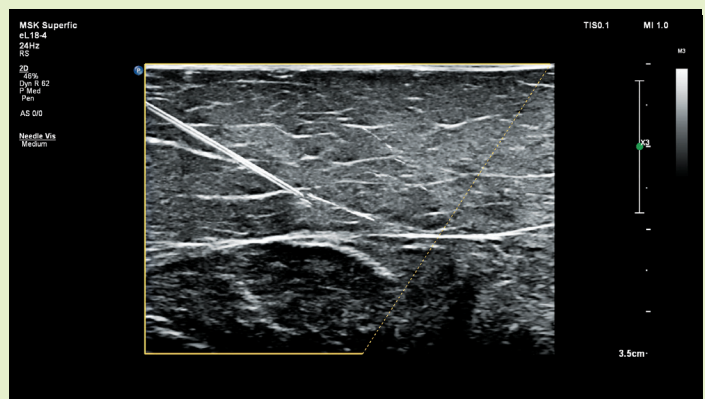
Offers remarkable sensitivity and detail in **assessing blood flow** using Affiniti Elevate 70.



Testicular imaging with the eL18-4 transducer

Needle visualization

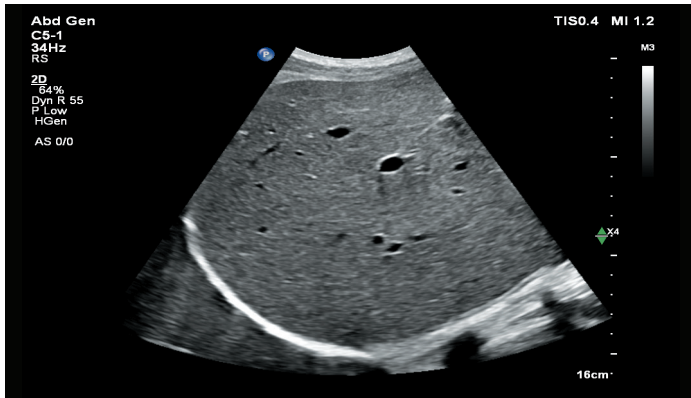
Enhances needle visualization for interventional procedures using Affiniti Elevate 70.



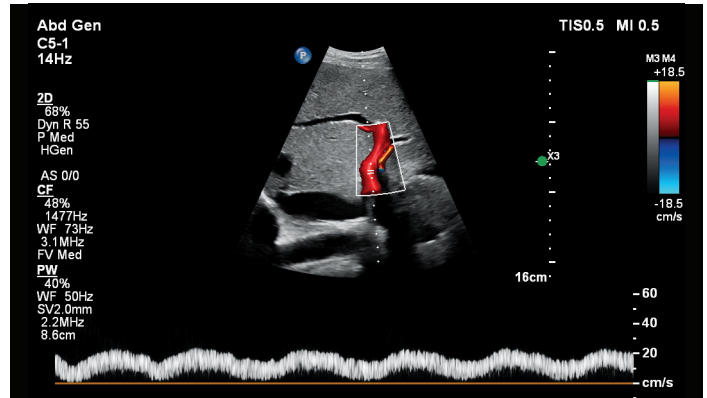
Interventional procedure using the eL18-4 transducer

Outstanding image quality

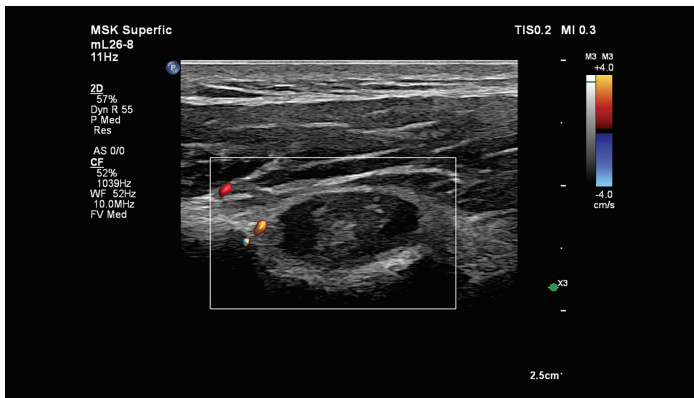
Our comprehensive range of transducers includes those with the power of PureWave for superb image quality even in technically difficult patients (TDP).⁷



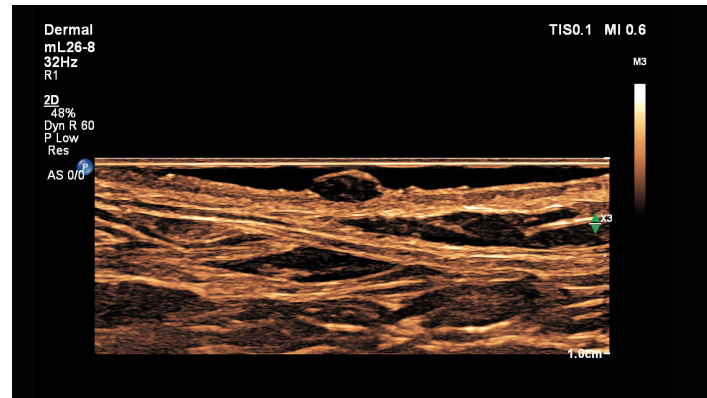
Liver imaging with the C5-1 transducer



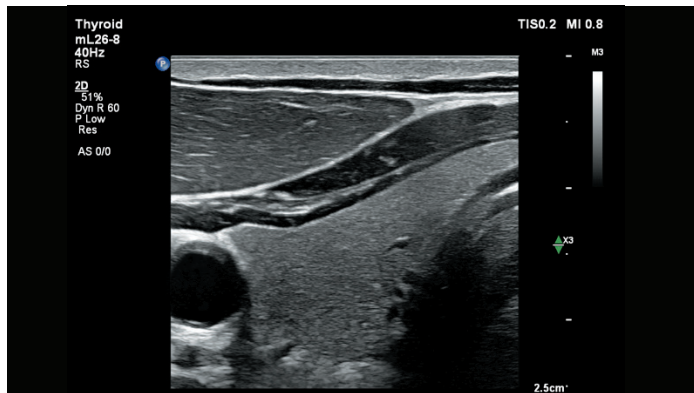
Liver with Flow Viewer and PW Doppler



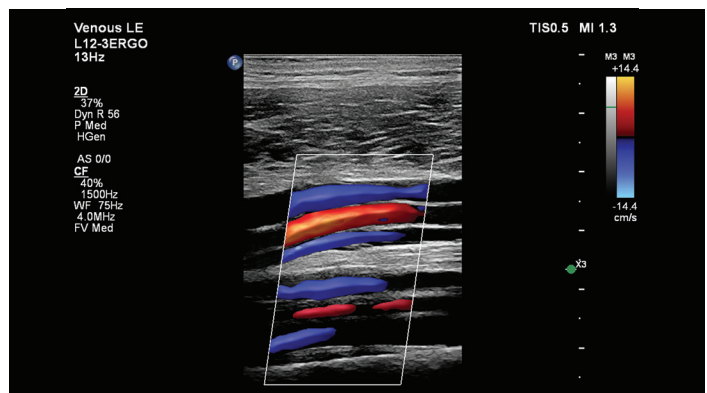
MSK imaging with the mL26-8 transducer



Dermal imaging with the mL26-8 transducer



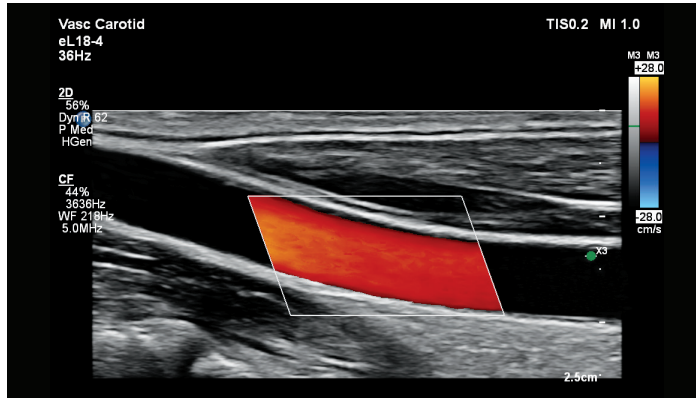
Thyroid imaging with the mL26-8 transducer



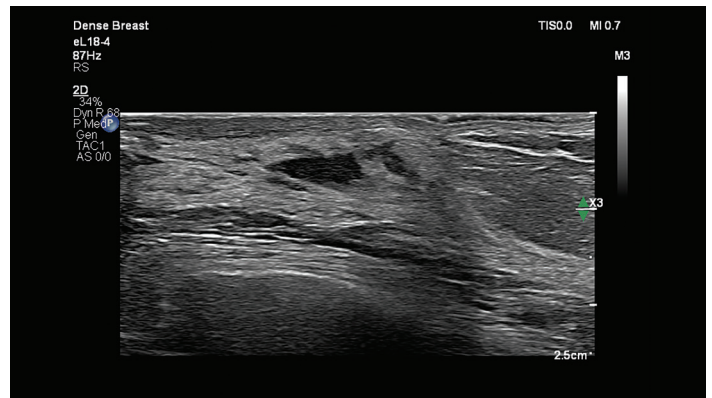
Calf vein imaging with the L12-3ERGO transducer

Imaging across all major clinical segments

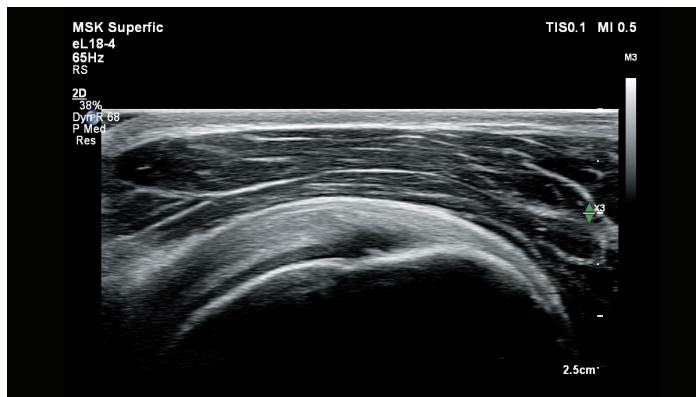
Enhance care across the variety of patients you see every day.



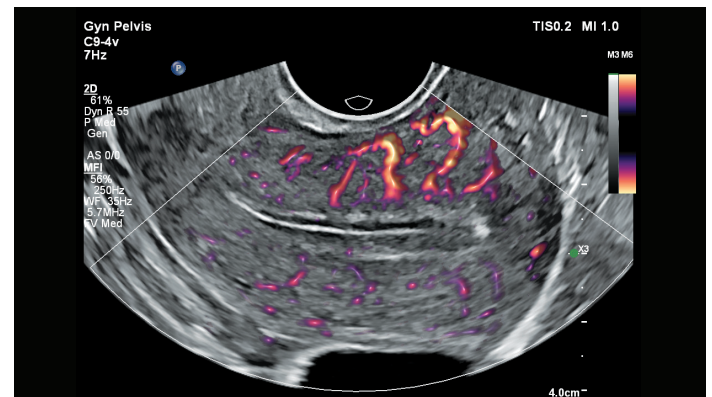
Color Doppler image of the carotid with the eL18-4 transducer



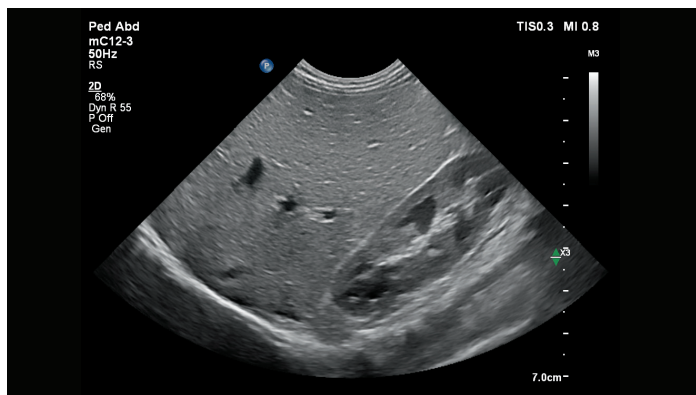
Breast imaging with the eL18-4 transducer



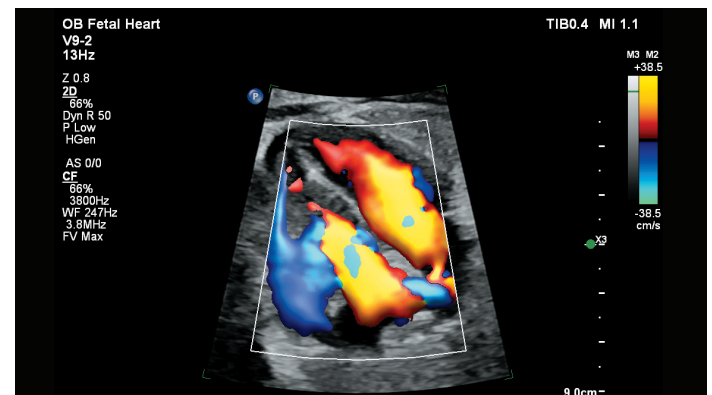
Shoulder imaging with the eL18-4 transducer



Pelvic imaging with FlowViewer using the V9-2 transducer



Pediatric liver imaging with the mC12-3 transducer

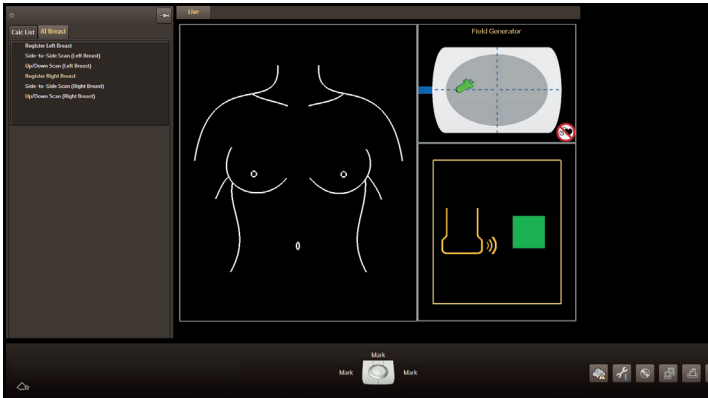


Fetal heart with Flow Viewer using the V9-2 transducer

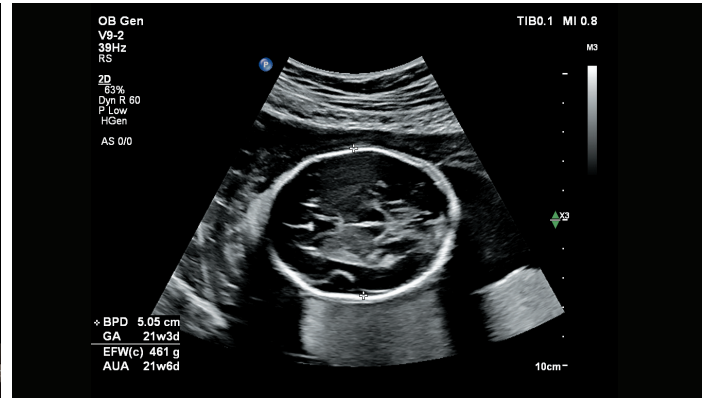
Advanced insights

Enhanced clinical tools

Affiniti Elevate is designed to elevate the ultrasound system to an actively adaptive device for exceptional levels of clinical information, range of capabilities and advanced quantification.



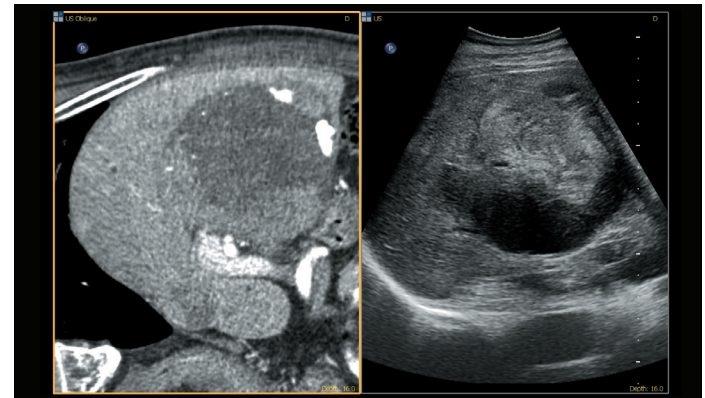
AI Breast, available on Affiniti Elevate 70



Biometry Assist



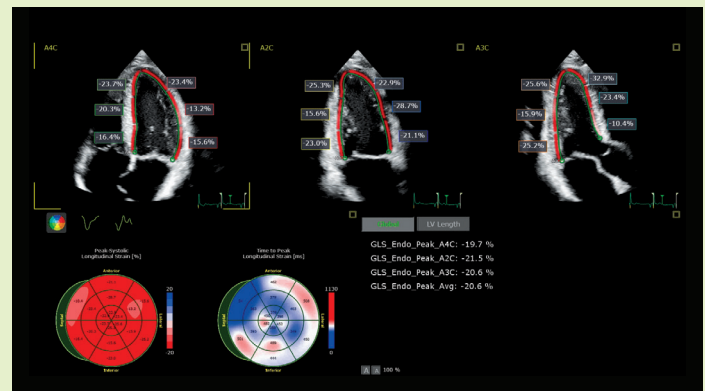
3D Auto Edit



Auto Registration for CT and ultrasound fusion, available on Affiniti Elevate 70

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.



Exceptional image quality and clinical confidence in TEE

TEE transducer 8-2 MHz

Transesophageal echocardiography (TEE) ultrasound with the X8-2t transducer offers Live 3D and Live 3D color flow, together with xPlane Doppler, MultiVue and automated 3D quantification tools, to help physicians increase their diagnostic confidence.

TEE transducer 7-2 MHz

The X7-2t transducer combines the 3D power of xMatrix with the exceptional image quality of PureWave for Live 3D color high volume rate (HVR) imaging and xPlane, along with intuitive 3D workflow and on-cart 3D quantification.

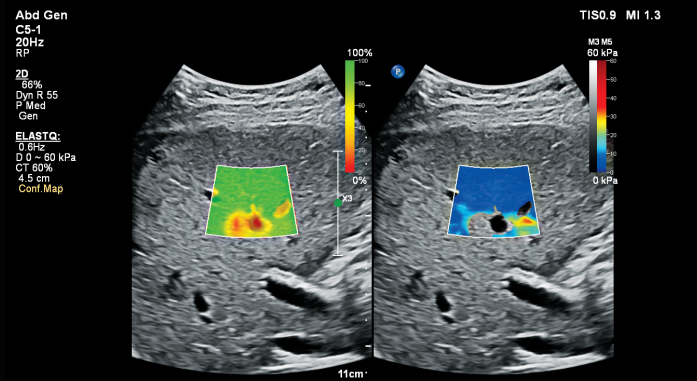


Assessments with speed and precision

Auto ElastQ*

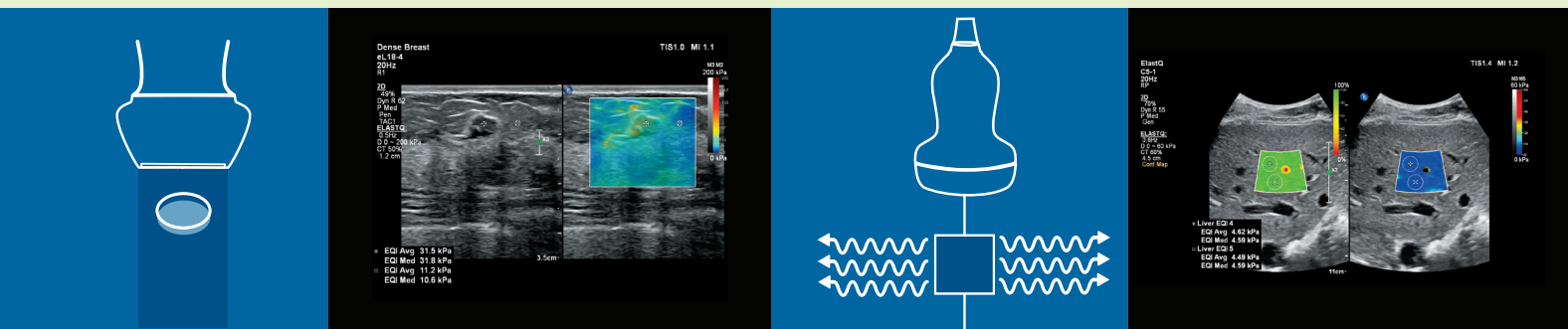
Experience our next generation of liver health assessment with Auto ElastQ. Auto ElastQ is designed to simplify liver elastography.

*510(k) pending; not available for sale in the USA.



More definitive clinical information about tissue stiffness

Affiniti Elevate supports full elastography solution and also Liver Fat Quantification (LFQ).

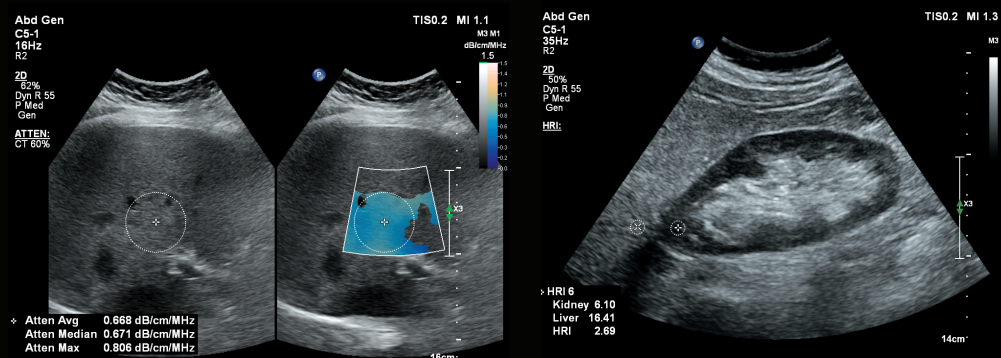


Strain elastography

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

Liver Fat Quantification (LFQ)

Affiniti 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.



LFQ multiparametric approach to assessing liver fat.

Dynamic organ and tumor assessment in real time

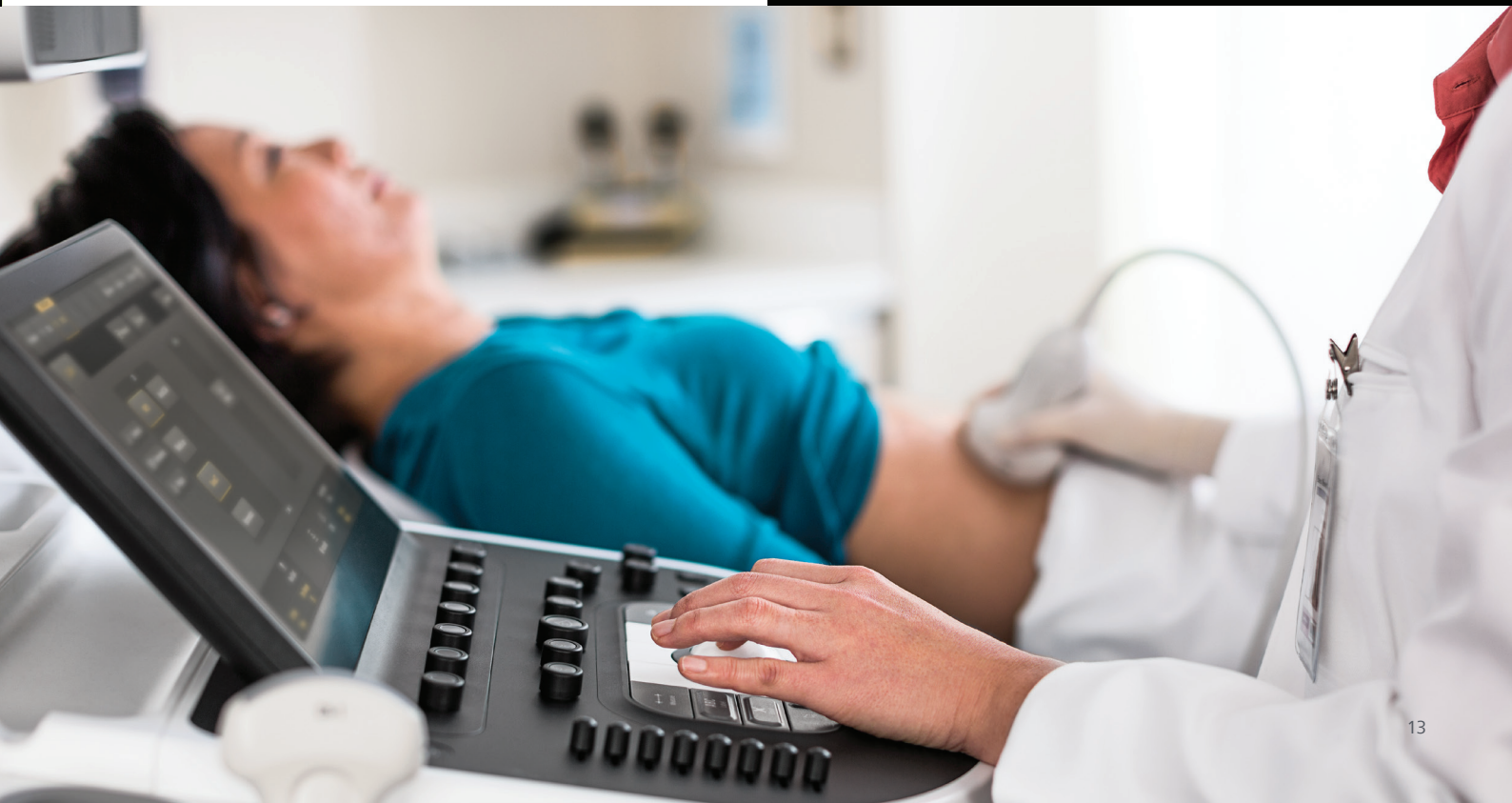
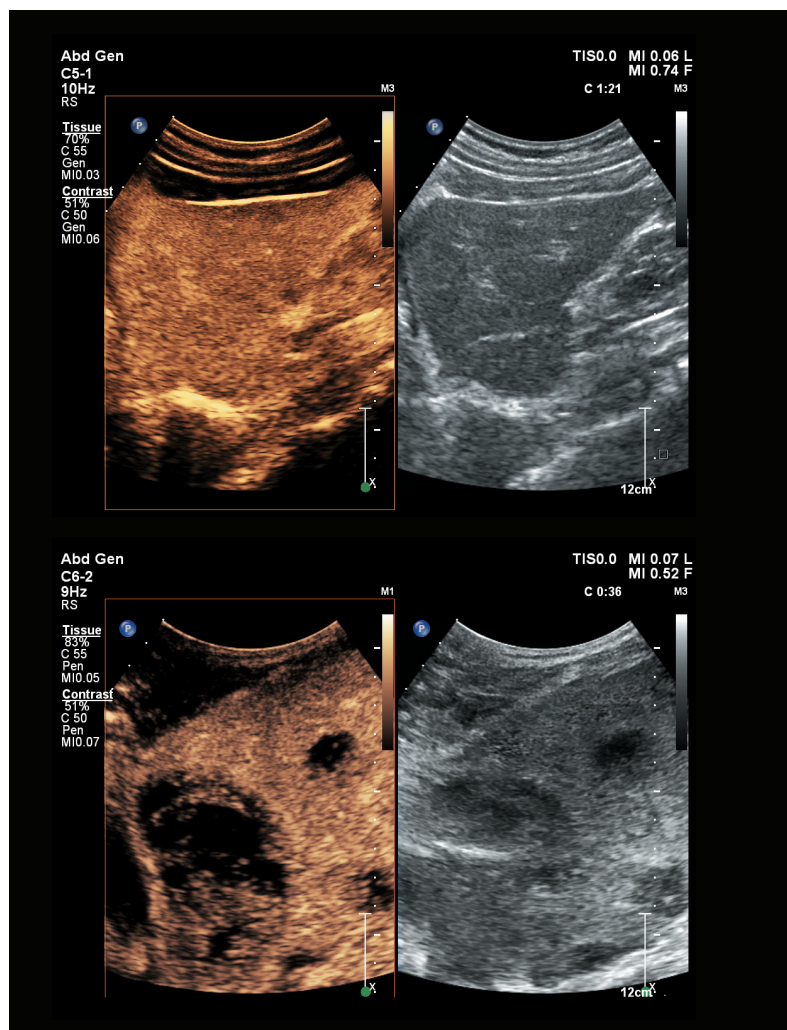
Easily add Contrast-enhanced Ultrasound (CEUS) to nearly any exam. Affiniti Elevate provides immediate optimization of CEUS studies and exceptional performance across multiple agents and applications.



mC7-2 transducer with CEUS support.



mC12-3 transducer for liver microcirculation and voiding cystourethrogram (VCUG) examinations.

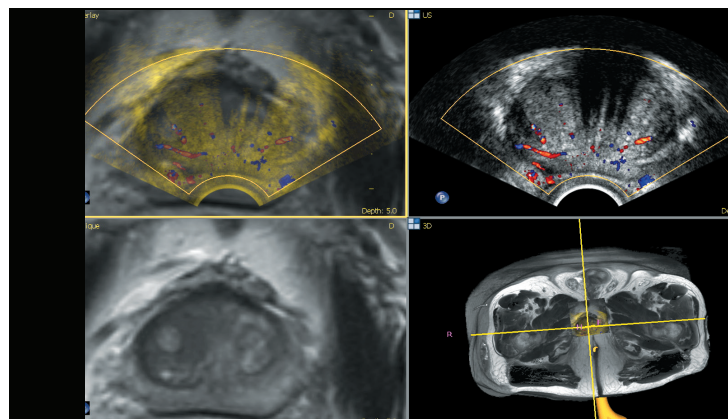


Fast, efficient fusion and navigation

The powerful diagnostic Fusion and Navigation tool using Affiniti Elevate 70 combines historical CT/MR/PET with live ultrasound and real-time position of the patient, helping reduce radiation burden and maximize department throughput. Perform automated registration with live ultrasound to achieve image fusion within seconds.*



Auto Registration
Takes <1 minute*



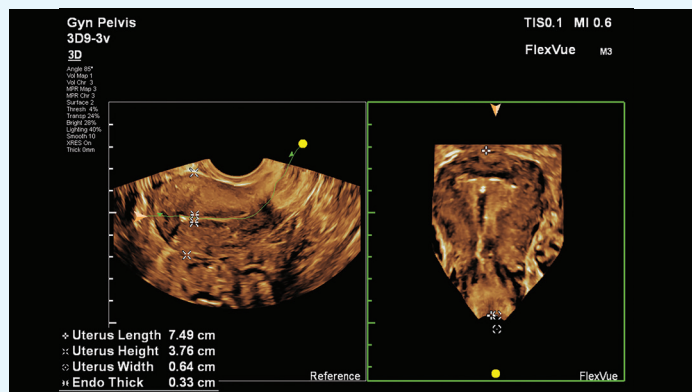
Affiniti Elevate also offers Fusion and Navigation for prostate.

Simplify 3D/4D

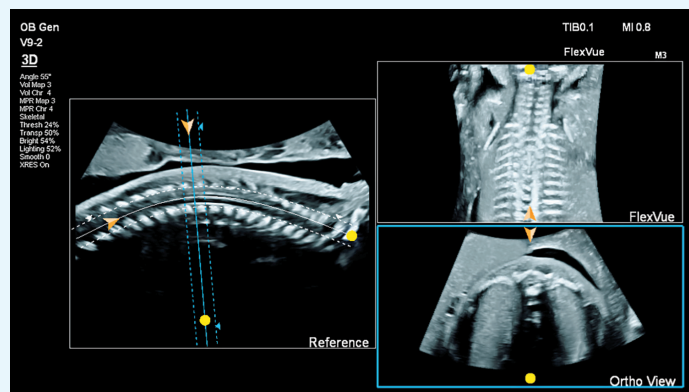
Affiniti Elevate offers easier, more intuitive workflow with the right touch to enhance detailed OB/GYN exams through "lifelike" TrueVue 3D imaging display with the intuitive TouchVue 3D volume workflow.

FlexVue-Orthogonal View with quantification

Quickly visualize a wide variety of planes of section within 3D volumes. FlexVue with Orthogonal View is a highly versatile tool that allows for easy visualization of technically difficult anatomical views from 3D volumes, which are essential for diagnosis of OB/GYN pathology. Measurements on FlexVue document the size of anatomical structures and pathology displayed and measure biometry.



FlexVue imaging of IUD



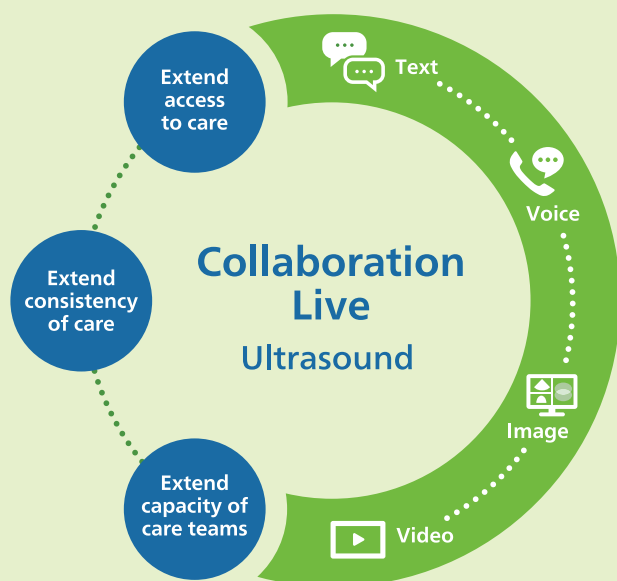
FlexVue with Orthogonal View of the fetal spine

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. asrt.org/docs/default-source/research/enrollment-snapshot/enrollment_snapshot_2017.pdf?sfvrsn=45b959d0_4.pdf.
5. Society of Diagnostic Medical Sonography, Industry Standards for the Prevention of Musculoskeletal Disorders in Sonography, May 2003.
6. Philips Auto Doppler Clinical Study, Dec 2011.
7. 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. 2014;203(6):W715-W723. doi:10.2214/AJR.13.12061.
8. Philips EPIQ and Affiniti Security white paper, document number 452299180531, April 2023.

Find out more at www.philips.com/GI



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