

# SEI



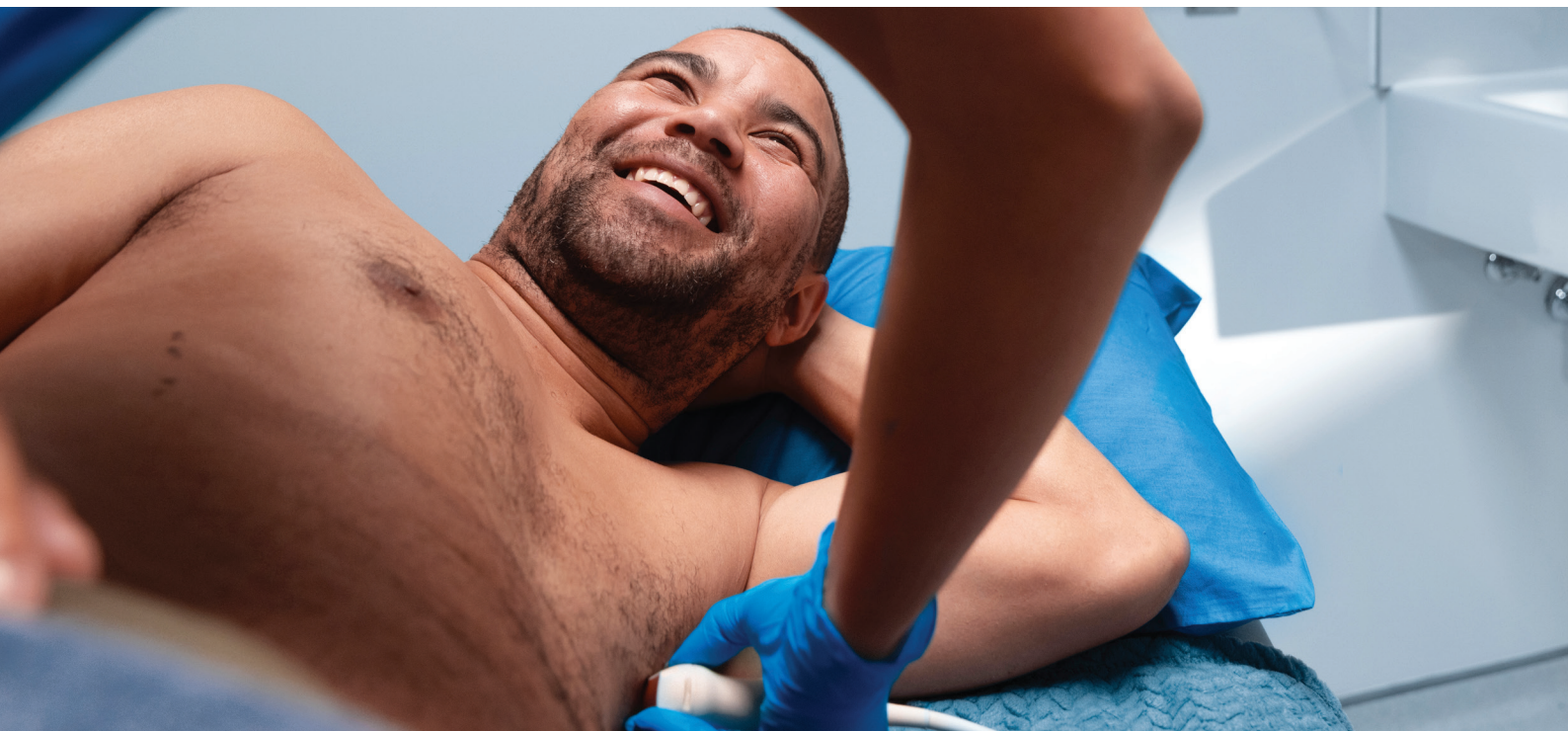
Elevate every  
ultrasound experience  
expertly

**Elevate Plus for Alturion\***

\* 510(k) pending. Not available for sale in the USA, not approved in all countries.

# Mastery that takes you where you need to go

Your patient population is growing. Space is at a premium. Resources are limited. Yet patients still need answers, and you're determined to deliver the care they deserve. With Alturion, you can experience high resolution imaging and intelligent workflows to keep your busy facilities agile and high performing.



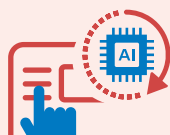
## Expertly elevate every ultrasound experience

The first thing you might notice is the expansive 24" monitor for high visibility so you can confidently image the range of patient types you see in a day. The next thing you'll notice is how easy it is to use from the start. Expertly elevate every ultrasound experience with the shared DNA across the Philips ultrasound portfolio, which means Alturion is intentionally designed to be easy to learn, with a familiar user interface made for intuitive operation. Share a range of powerful transducers among compatible systems to enhance lifetime value.



## Fits into tight spaces with ease

Alturion goes where you need it to, traveling smoothly from department to bedside and fitting into small spaces everywhere in between.



## Facilitates fast, efficient scans with AI, automation and a modern user interface

Our latest AI and automation combine with a familiar user interface across Philips systems that is designed to reduce cognitive burden, allowing for fast, high-quality scanning from the start. This common interface across Philips systems helps sonographers be ready to scan on Alturion right away.

# Meet Alturion ultrasound



**Alturion Elevate Plus**  
is intentionally  
designed for diverse,  
heavy caseloads



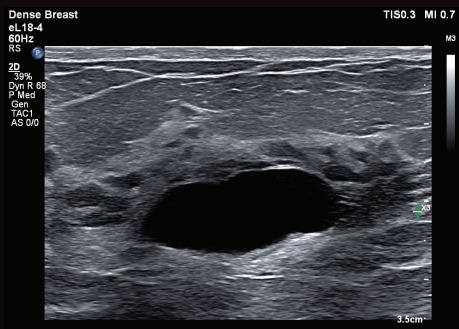
## Redefine performance with a one-transducer solution

The high-performance eV14-2v transducer for early OB and GYN is compatible with Alturion and delivers exceptional resolution, deeper penetration and advanced 3D/4D capabilities in a lightweight ergonomic design. Enhanced visualization, improved color sensitivity and a wider field of view support confident diagnosis across the broad demands of endovaginal scanning.

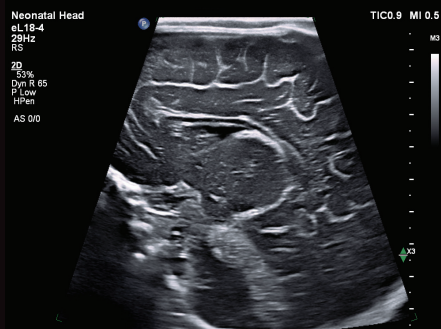


# Confident, consistent imaging

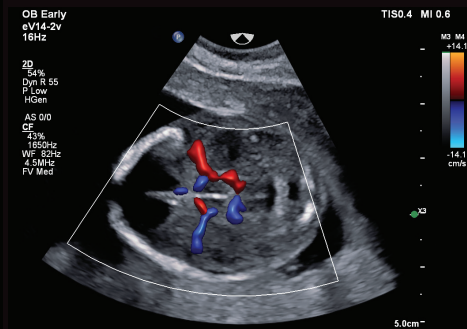
Alturion features nSight high-resolution imaging with real-time imaging reconstruction and pixel-level focus for consistent performance across patient types.



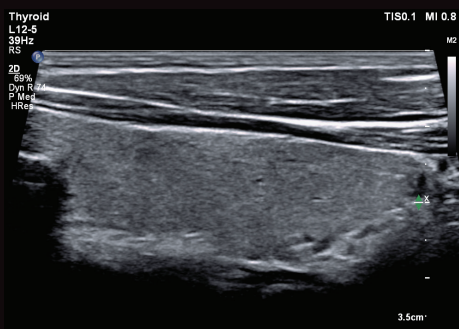
Dense breast with eL18-4



Neonatal head with eL18-4



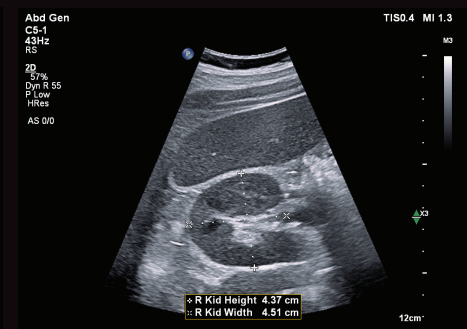
Early OB Circle of Willis with eV14-2v



Thyroid with L12-5



General OB with C9-2



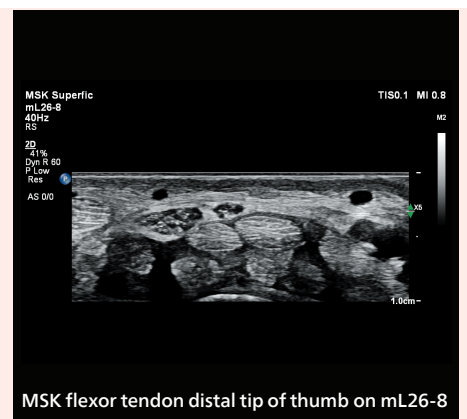
Kidney with Auto Measure on C5-1



Share a broad range of high-performing transducers across compatible Philips systems, including the award-winning<sup>1</sup> mL26-8



**mL26-8 transducer**  
**64%**  
 improved penetration  
**36%**  
 improved spatial resolution in superficial applications<sup>2,3</sup>



MSK flexor tendon distal tip of thumb on mL26-8

# Fast, efficient workflows

Quickly handle high patient volumes with our latest AI and automation

AI-powered, intuitive workflows with a familiar user interface are designed to allow staff of varying experience levels to scan efficiently.

## Access faster, more consistent measurements

AI-powered Auto Measure Abdomen supports both clinical confidence and workflow efficiency. Select a supported measurement, and the system instantly recognizes the anatomy and automatically places calipers.



**Accurate**

**>93%**  
accuracy

compared to manual  
measurements by  
clinical expert<sup>4</sup>



**Fast**

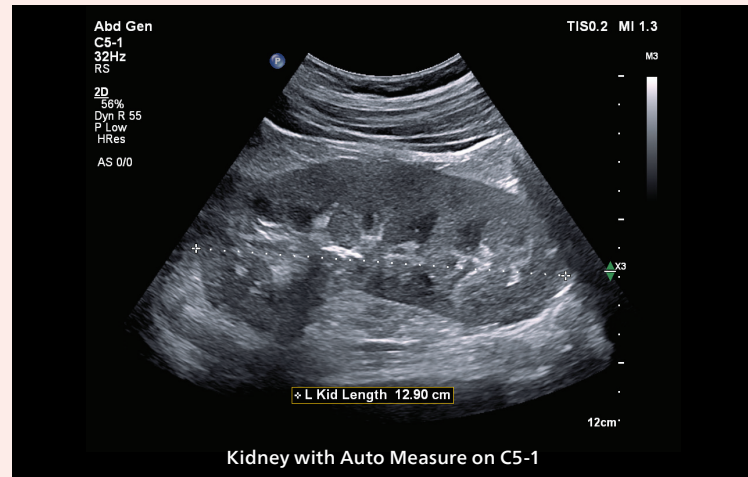
**55%**  
reduction

in average  
measurement  
time (without  
user edits)<sup>5</sup>

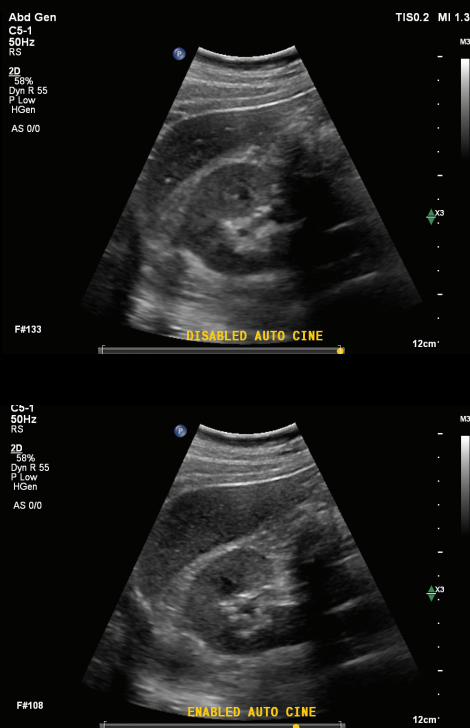


**Efficient**

Up to  
**33%**  
fewer  
keystrokes<sup>5</sup>



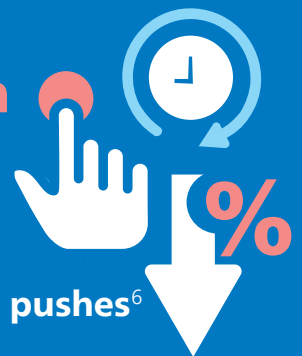
Kidney with Auto Measure on C5-1



**Effortless  
stable frame  
selection with  
2D Auto Cine**

**54.4% reduced time<sup>6</sup>**

**32.7% reduced button pushes<sup>6</sup>**  
to select the best frame

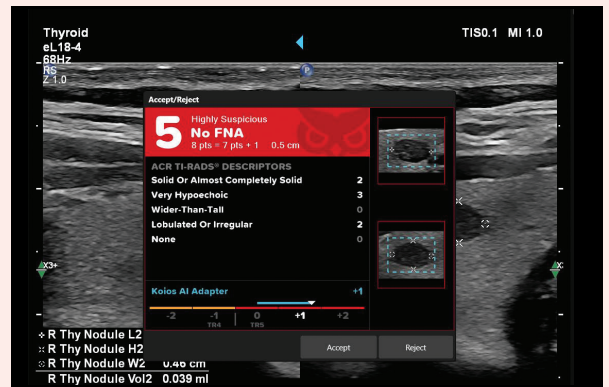




# Like a second opinion in just seconds

## AI for breast and thyroid with Koios AI-based clinical decision support

Available both on- and off-cart, just three simple steps combine the exceptional ultrasound imaging of Philips with the AI software of Koios to reliably classify<sup>7,8</sup> and quickly offer assessment for breast lesions and thyroid nodules.



## Simple

Analyze breast and thyroid images on-cart or off-cart with Koios, an AI-driven decision-support tool for breast lesion (BI-RADS) and thyroid nodule (TI-RADS) classification<sup>9</sup>

## Fast

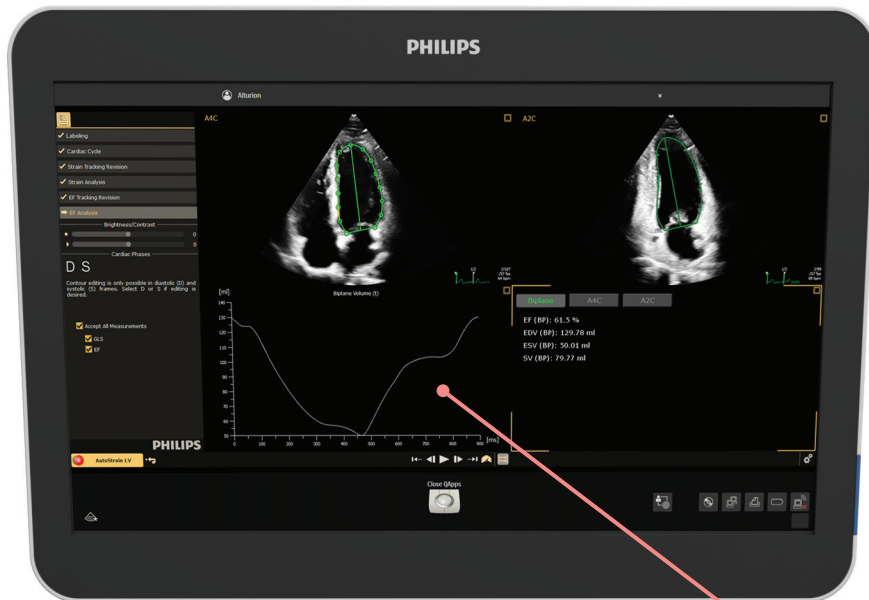
<2 seconds to interpret and assess malignancy risk with BI-RADS and just seconds for TI-RADS<sup>10</sup>

## Unique to Philips

Smart calipers for fast off-cart workflow help reduce time to results

# Save time and help increase diagnostic confidence in echo

**Enhance cardiovascular capabilities**  
with advanced CV Doppler and 2D Auto Measure,  
2D Auto EF, 2D Auto EF Advanced and 3D markers.



2D Auto EF  
is designed  
to reduce variability  
in the calculation  
of ejection fraction.



# Dynamically assess organs and tumors in real time

**With Philips,  
contrast-enhanced  
ultrasound (CEUS)  
is integrated into  
the standard workflow**

## **Assess blood flow**

CEUS MicroFlow Imaging (MFI) provides exceptional sensitivity and detail in assessing blood flow during a CEUS examination without negatively affecting bubble destruction.

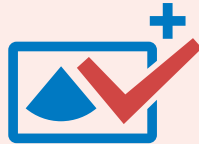


# Designed to reduce scan time and cognitive load

## Efficiently complete exams with advanced 3D/4D workflow



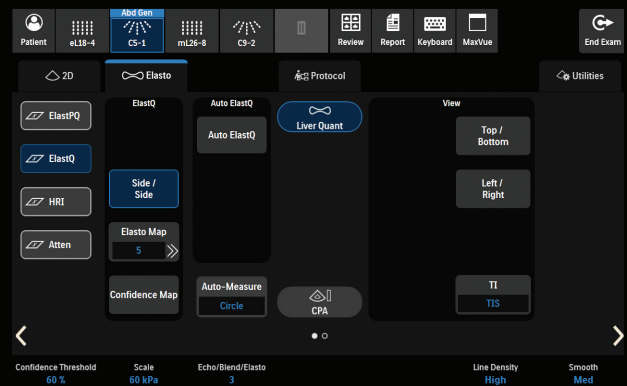
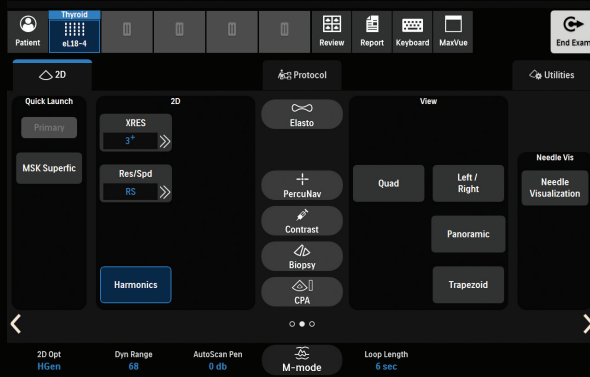
**Streamlined access**  
to controls and presets



**Modernized UI**  
enhances the user experience



**Flexible display modes**  
support confident  
decision-making



The Alturion user interface is designed to reduce scan time and cognitive load while helping to increase diagnostic confidence.

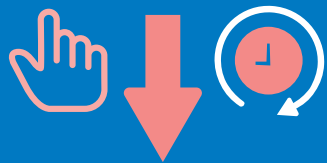


# Access streamlined multi-view workflows

Display four images simultaneously for a more complete assessment in a single view.

## Save time on repetitive tasks

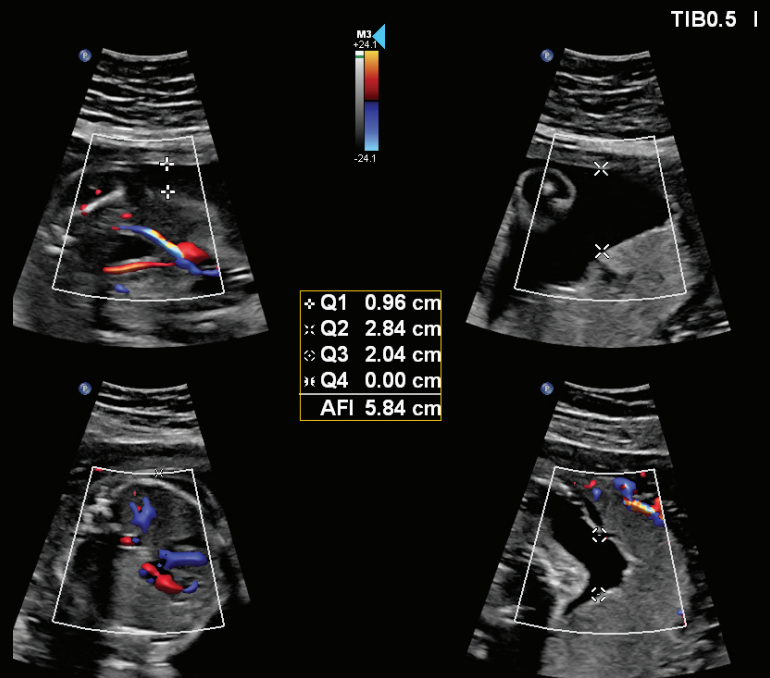
### Quad AFI



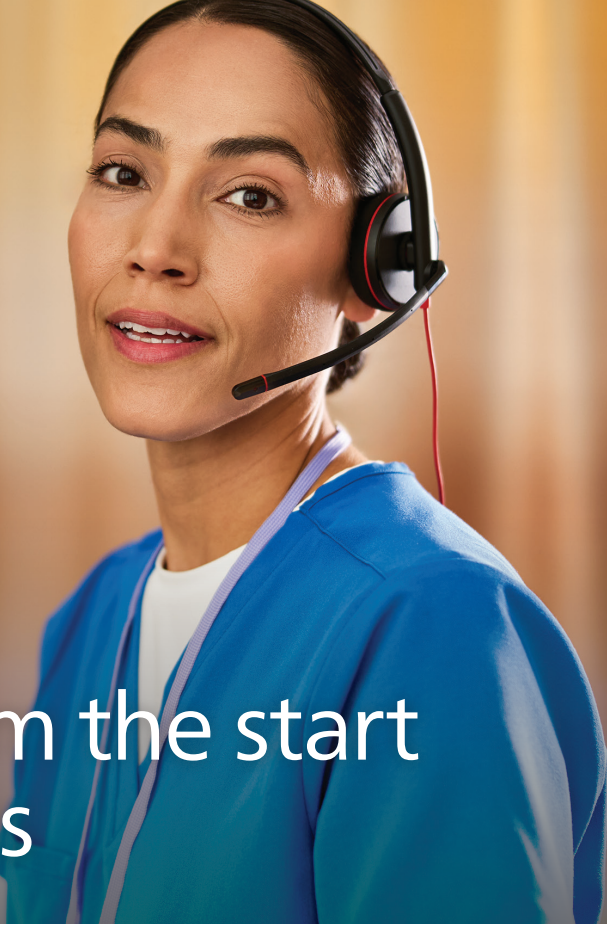
**54%**  
**fewer keystrokes<sup>11</sup>**  
compared to traditional manual amniotic fluid index (AFI) workflow

**72%**  
**reduced time<sup>11</sup>**

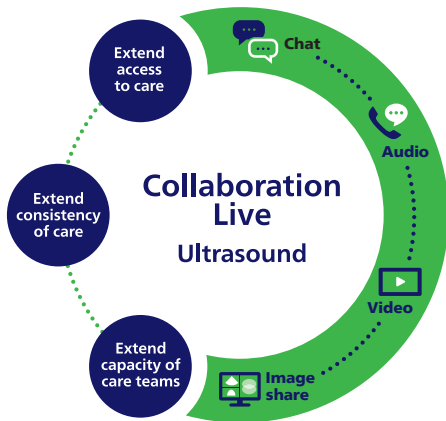
### Quad View



Philips is committed to helping your fleet work smarter and stay current to help reduce long-term operational costs. This includes sharing transducers across compatible Philips ultrasound systems. Our ultrasound service solutions scale from keeping systems up and running to delivering impact with smart end-to-end services to help you focus time where it really matters.



# Supported from the start for your success



## Shorten the distance to diagnosis with Philips Collaboration Live tele-ultrasound<sup>12</sup>

Users can quickly and securely talk, text, screen share and video stream directly from the ultrasound system to a PC, mobile device or ultrasound system, with remote device management and up to six users. Enhance diagnostic confidence and give patients access to your team's full expertise, regardless of location. Now ultrasound systems can do more than scan.

### Stay ahead with future-forward, tailor-made service agreements

We work with your teams when you need us to keep your systems running smoothly, and we partner with you for your ongoing success, including flexible service agreements and advanced image management.

### Get protected with defense-in-depth security

Philips ultrasound is developed with multiple layers of security as well as clinical capability.<sup>13</sup>

### Keep your ultrasound systems state of the art with Technology Maximizer

Achieve peace of mind and up to 50% cost savings through structured upgrades.<sup>14</sup>

### Access the remote capabilities you need today and get ready for tomorrow's advances

Minimize vulnerabilities through the remote updates, faster response and quicker resolution that remote capabilities can provide.

### Stay current with the continuous learning that is essential to healthcare

Philips clinical and technical training helps staff stay current and consistent.

### Team up with a world leader in sustainability

Philips is committed to lifecycle circularity for its systems.<sup>15</sup>



## References

1. Awarded "Best Innovation Award" in General Imaging by Journées Francophones de Radiologie (2023).
2. Compared to the predecessor L15-7io transducer. Internal documentation: Validation report 000825000000194A.
3. Compared to the predecessor L15-7io transducer. Internal documentation: Validation report 000825000000193A.
4. Internal documentation: Validation report D001785669. Obtained from a retrospective data analysis study involving data from 150 subjects (using MD.AI annotation tool, 3 clinical experts).
5. Internal documentation: Validation report D001785669. Evidence was obtained on a subset of data from 5 subjects (7 clinical experts) assessing the measurement time for saved images and not the scan time.
6. Internal documentation: Validation report D001785669. Reduction in time in abdominal scanning using Auto Cine
7. Amir T, Coffey K, Sevilmedu V, et al. A role for breast ultrasound artificial intelligence decision support in the evaluation of small invasive lobular carcinomas. *Clinical Imaging*. 2023;101:77-85. DOI:<https://doi.org/10.1016/j.clinimag.2023.05.005>.
8. Barinov L, Jairaj A, Middleton WD, et al. Improving the efficacy of ACR TI-RADS through deep learning-based descriptor augmentation. *J Digit Imaging*. 2023;36:2392-2401. DOI:<https://doi.org/10.1007/s10278-023-00884>.
9. BI-RADS and TI-RADS are registered trademarks of the American College of Radiology.
10. Internal documentation: Validation report D001785669.
11. Internal documentation: Validation report D001785669. Compared to traditional AFI workflow.
12. 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.
13. EPIQ and Affiniti Security white paper, document number 452299180531, April 2023.
14. During the term of the agreement, for a modality in scope Philips Technology Maximizer delivers major upgrades. Purchasing these upgrades individually could cost up to twice the cost of the Technology Maximizer agreement.
15. <https://www.philips.com/a-w/about/environmental-social-governance/environmental.html>



2797

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