

# PHILIPS

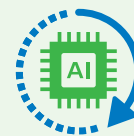
## ★ AI and automation for what matters most

### Elevate Plus for EPIQ Elite and Affiniti

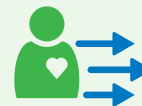
#### Elevate diagnostic confidence and workflow efficiency

Fewer trained sonographers. A shortage of radiologists. The imperative for efficient workflow without sacrificing diagnostic confidence. The challenge is to not only keep up with the increasing number of patients, but to also be able to focus on those with complex conditions.

The need for AI and automation solutions is clear, but they have to bring the accuracy and workflow advantages to help you reduce time spent on routine anatomy measurements, as well as support you in reducing the number of biopsies on benign lesions and nodules. See how Philips AI and automation are bringing new levels of reproducibility to exams so that you have fast, consistent, precise results from user to user.



**Our leading AI and automation solutions**



**Increase patient throughput**

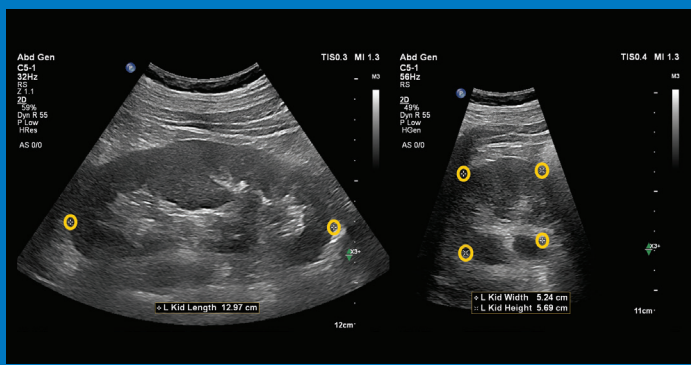


**Streamline workflows**

# Fast workflow with AI and automation

## AI-powered Auto Measure Abdomen<sup>1</sup>

Faster, more consistent measurements enhance both clinical confidence and workflow efficiency. Select a supported measurement, and Auto Measure Abdomen instantly recognizes the anatomy and uses the measurement to place calipers for the user to accept or adjust.



Auto Measure Abdomen



**Accurate**

**>93% accuracy**  
compared to manual measurements by clinical experts<sup>2</sup>



**Fast**

**55% reduction**  
in measurement time<sup>3</sup>



**Efficient**

**Up to 33% reduction**  
in button pushes<sup>3</sup>

## Better workflow in every scan: Improved liver elastography with Auto ElastQ<sup>4</sup>

Auto ElastQ streamlines liver stiffness assessment by automatically selecting optimal frames and placing ROIs for measurement aligned with international guidelines, enhancing reproducibility and incorporating many of the best practices for liver elastography measurements.



**Reliable**

**99% reliability**  
of automated acquired liver shear wave measurements<sup>4</sup>



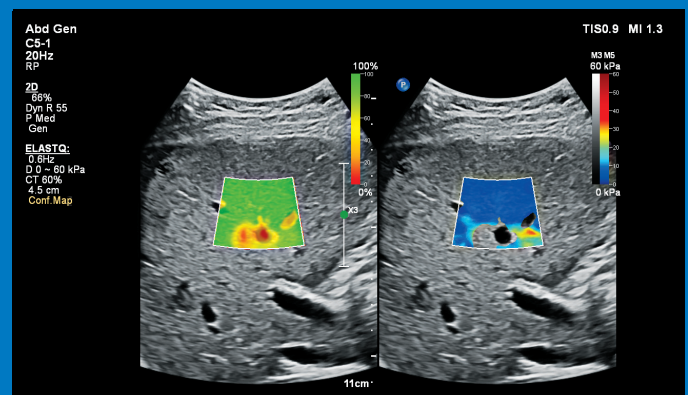
**Fast**

**Up to 60% reduced**  
exam time<sup>4</sup>



**Efficient**

**Up to 29% fewer steps**  
to acquire liver shear wave measurements<sup>4</sup>



Auto ElastQ

# Everyday efficiency

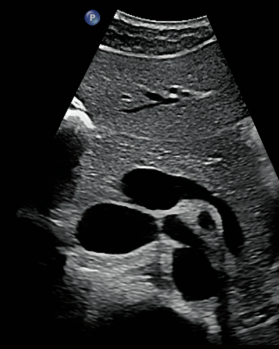
## Next Gen Auto Scan

for use across clinical settings

- **Efficient – Up to 54%** reduced button pushes<sup>5</sup>
- **Optimizes in real time** Improves image uniformity, adaptively adjusting image brightness at every pixel

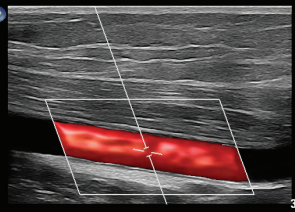
Abd Gen  
C9-2  
31Hz  
RS  
2D  
47%  
Dyn R 55  
P Low  
HiPen  
AS 0/0

TISO.2 MI 0.8



Arterial LE  
eL18-4  
16Hz 60°

2D  
68%  
Dyn R 62  
P Med  
HGen  
AS 0/0  
CF  
44%  
7500Hz  
WF 337Hz  
5.0MHz  
FV Max  
PW  
72%  
WF 100Hz  
SV1 5mm  
5.0MHz  
2.8cm



TISO.2 MI 0.6

M3 M4  
+57.8  
-57.8  
cm/s

## Auto Doppler

Adjusts optimal flow sensitivity and resolution

- **Fast – Just 3 steps** (down from 10)<sup>6</sup>
- **Efficient – 68% average** fewer repetitive button pushes<sup>6</sup>

## Like a second opinion in just seconds: Koios AI-based clinical decision support

Save valuable time for the sonographer and radiologist with this third-party computer-aided algorithm of characteristics for BI-RADS and TI-RADS<sup>7</sup> classification on-cart or off-cart.

### Simple

#### Just 3 steps

combines the exceptional ultrasound imaging of Philips with the AI software of Koios to reliably classify<sup>8,9</sup> and offer assessment for breast lesions and thyroid nodules

### 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, reducing time to results

>950,000 images

from pathology-proven cases used by Koios BI-RADS for confident breast lesion classification<sup>10</sup>



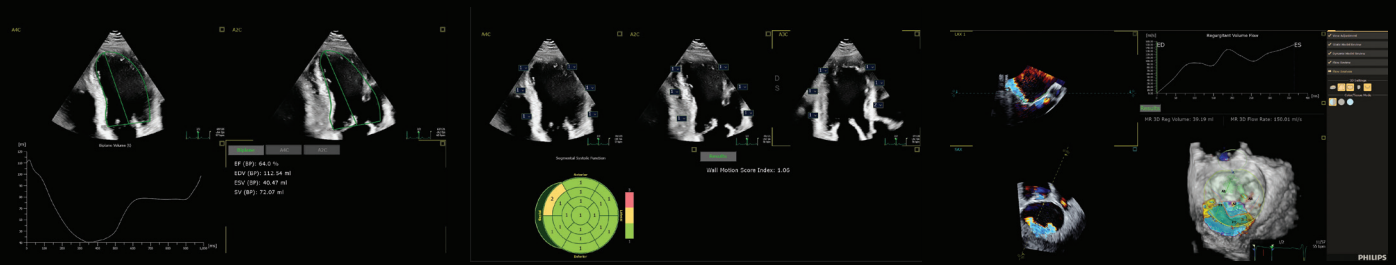
>350,000 images

from pathology-proven cases used by Koios TI-RADS for confident thyroid lesion classification<sup>10</sup>

## AI-enabled consistency

AI and automation offer consistent image acquisition and interpretation across scans for standardized results to reduce variability user-to-user and improve reproducibility scan-to-scan.<sup>11-14</sup>

## Extend your practice with advanced cardiovascular diagnosis



### AutoStrain LV with 2D automated EF and mid-layer strain

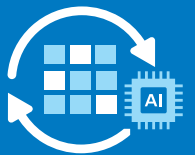
Fast, reproducible results as part of a comprehensive LV assessment within the same application, improving workflow and saving time

### Auto Segmental Wall Motion Scoring

Provides automated evaluation of wall motion in a standard 17-segment bullseye display to aid objective LV wall assessment

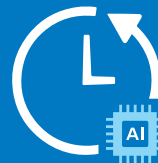
### 3D Auto Color Flow Quantification

Offers AI for fast, easy and reproducible mitral regurgitation (MR) volume to help assess MR severity



### Smart View Select

Uses AI to automatically select the optimum images for 2D LV assessment



### Smart (Doppler) View ID

Further enhance time-savings through the use of AI for cardiac Doppler measurements

## Put Philips leading AI and automation to work for you

See how Philips can help you increase diagnostic confidence and workflow efficiency across abdominal, liver, and cardiovascular ultrasound exams with advanced AI and automation. By minimizing variability and accelerating workflows, these innovations empower you to make more confident decisions faster, while delivering greater precision and efficiency across your entire ultrasound practice.

### References

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7. BI-RADS and TI-RADS are registered trademarks of the American College of Radiology.
8. 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.
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