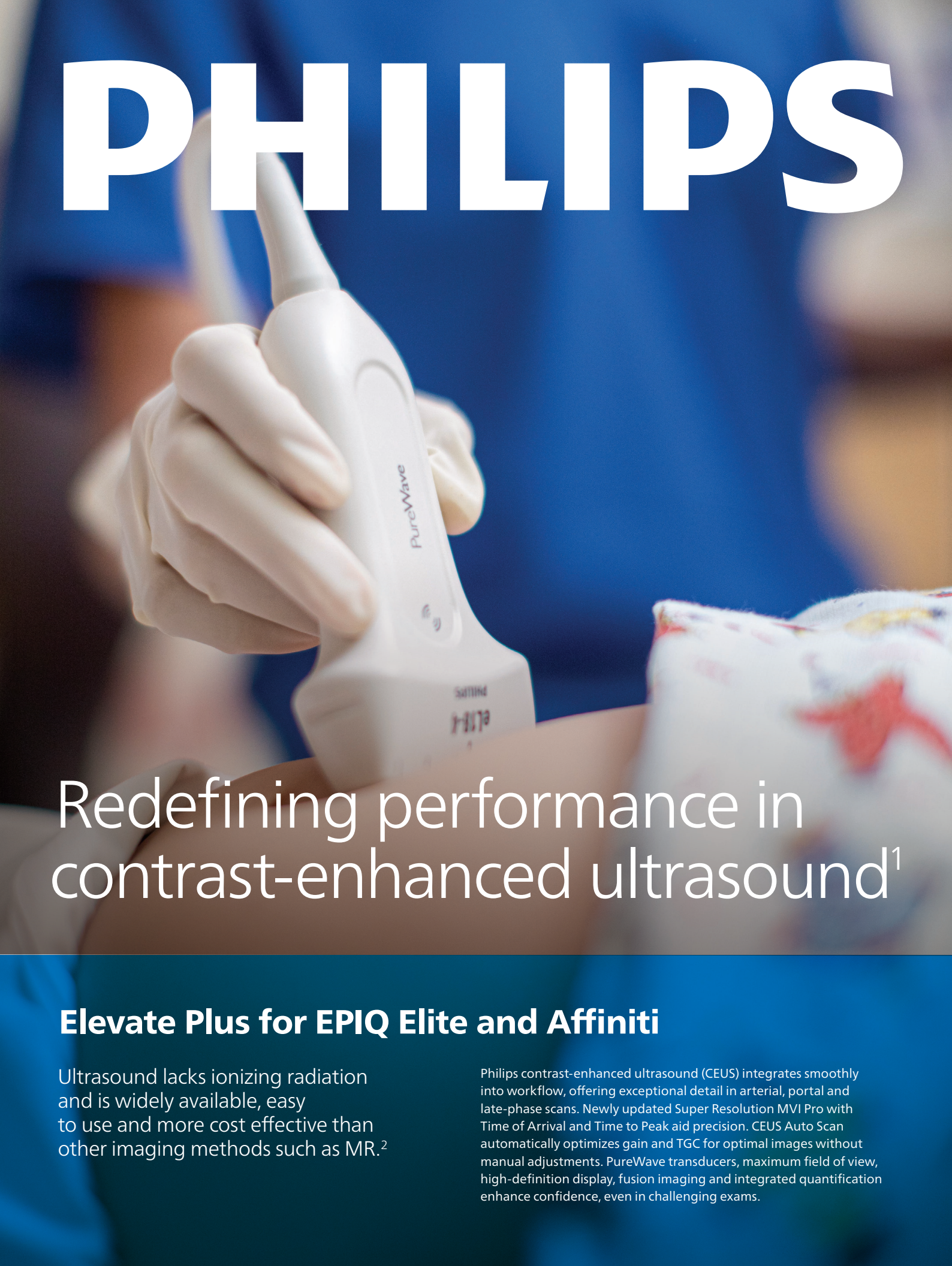


# PHILIPS



## Redefining performance in contrast-enhanced ultrasound<sup>1</sup>

### **Elevate Plus for EPIQ Elite and Affiniti**

Ultrasound lacks ionizing radiation and is widely available, easy to use and more cost effective than other imaging methods such as MR.<sup>2</sup>

Philips contrast-enhanced ultrasound (CEUS) integrates smoothly into workflow, offering exceptional detail in arterial, portal and late-phase scans. Newly updated Super Resolution MVI Pro with Time of Arrival and Time to Peak aid precision. CEUS Auto Scan automatically optimizes gain and TGC for optimal images without manual adjustments. PureWave transducers, maximum field of view, high-definition display, fusion imaging and integrated quantification enhance confidence, even in challenging exams.



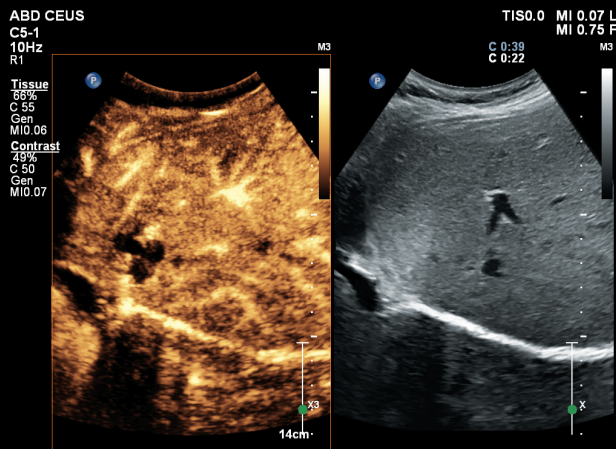


# Elevate imaging

Ultrasound contrast agents can transform the role of ultrasound, allowing study of the enhancement patterns of suspicious lesions in real time.<sup>3</sup> nSight Plus Imaging Architecture<sup>4</sup> is a more powerful beamforming technology providing next-generation imaging performance.<sup>5</sup>

## C5-1 transducer

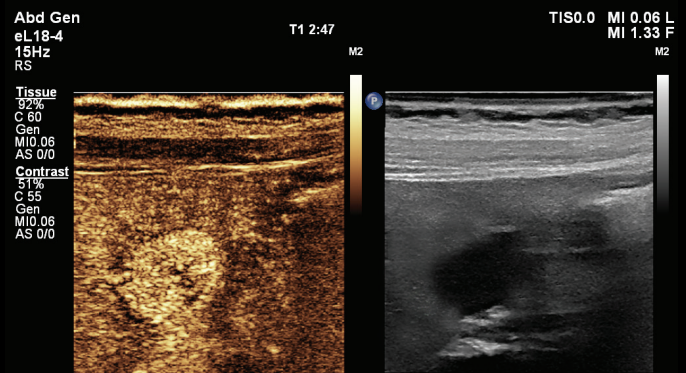
**PureWave Crystal Transducer Technology** provides outstanding image quality, even in technically difficult patients.<sup>6</sup>



Liver CEUS imaging with the C5-1

## eL18-4 transducer

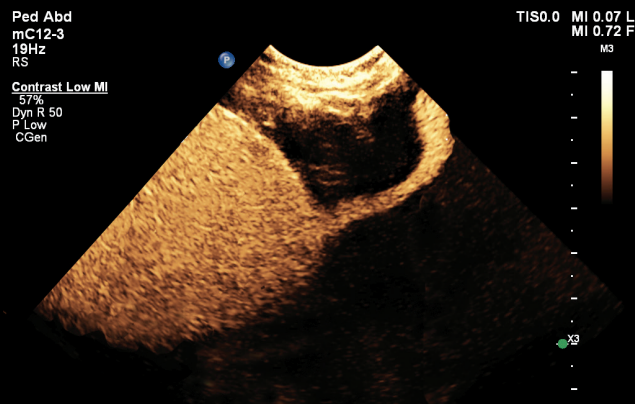
Features PureWave crystal technology for outstanding image quality<sup>6</sup> and offers support for **CEUS MicroFlow Imaging**.



Superficial liver lesion CEUS imaging with the eL18-4

## mC12-3 transducer

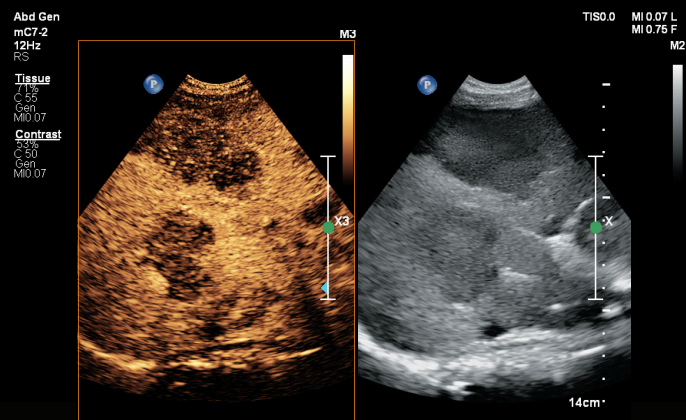
**Designed for pediatric applications**, the mC12-3 transducer provides an additional 30% improvement in penetration compared to our previous generation of pediatric transducers.<sup>7</sup>



Pediatric bladder micturition with the mC12-3

## mC7-2 transducer

**Designed for abdominal scanning and procedure guidance**, this small-footprint ergonomic transducer allows imaging in tight intercostal spaces, helping reduce rib shadowing on images, as well as providing a more direct needle approach for procedures.<sup>8</sup>



Liver metastases with the mC7-2

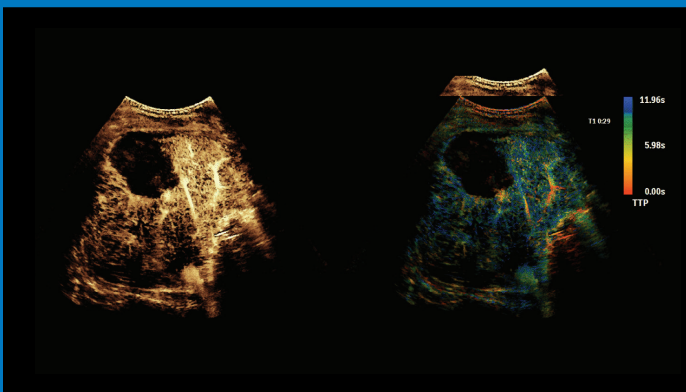
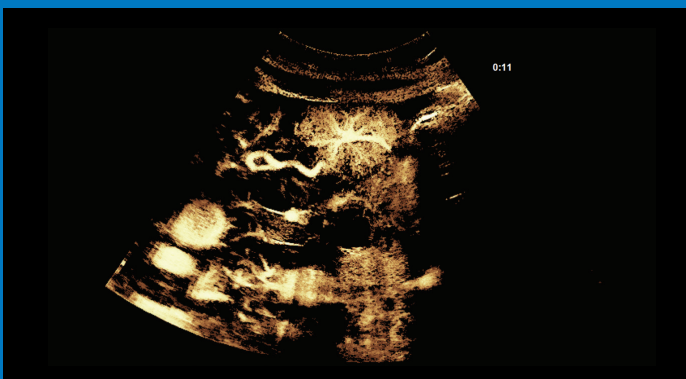


## Elevate workflows

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

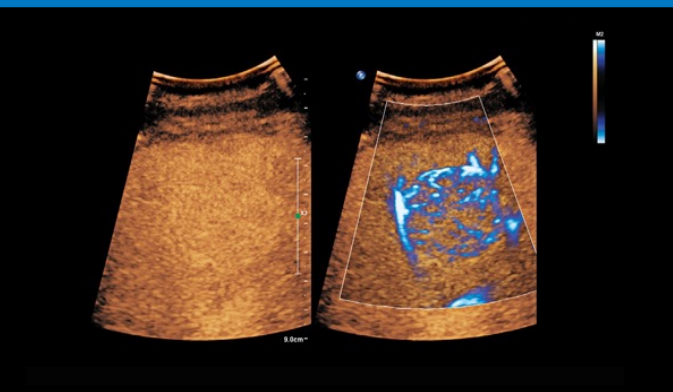
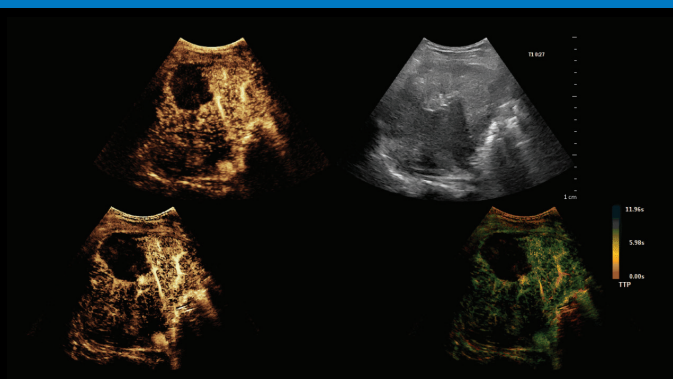
### Newly updated: Super Resolution MVI Pro

This **sensitivity-thinning algorithm** delivers higher sensitivity and improved resolution.<sup>9</sup>



### Time of Arrival map

Time of Arrival map provides a **clear visualization of temporal perfusion patterns** while preserving superb spatial resolution.<sup>9</sup>



### Time to Peak map

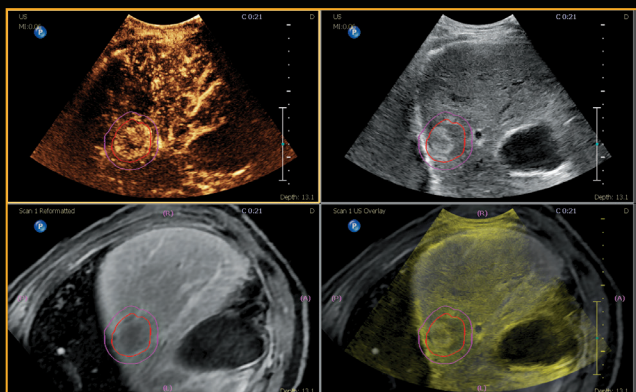
Time to Peak map shows how quickly contrast bubbles reach their peak intensity, making **perfusion assessment more intuitive and precise.**<sup>9</sup>

### CEUS MicroFlow Imaging (MFI)

Provides **exceptional sensitivity and detail in assessing blood flow** during a CEUS examination without negatively affecting bubble destruction.

# Fusion and navigation with contrast

**Advanced capabilities** such as Auto Registration, continuous patient tracking, user-assisted co-registration, tumor contour and ablation planning.



CEUS fusion with CT for ablation planning

## CEUS Auto Scan

- Helps overcome the CEUS narrow window for **dynamic range and low signal-to-noise ratio**
- Supports contrast imaging with **fast, high-quality images** for visualizing the wash-in/wash-out pattern
- Dynamically adjusts gain to **balance effects of images** that are under- or over-saturated
- Designed to **enhance workflow, patient comfort, diagnostic confidence** and throughput

## References

1. Consult with your local sales representative regarding approved clinical indications in your region.
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5. Compared to release 7.0.
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Find out more at [www.philips.com](http://www.philips.com)

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