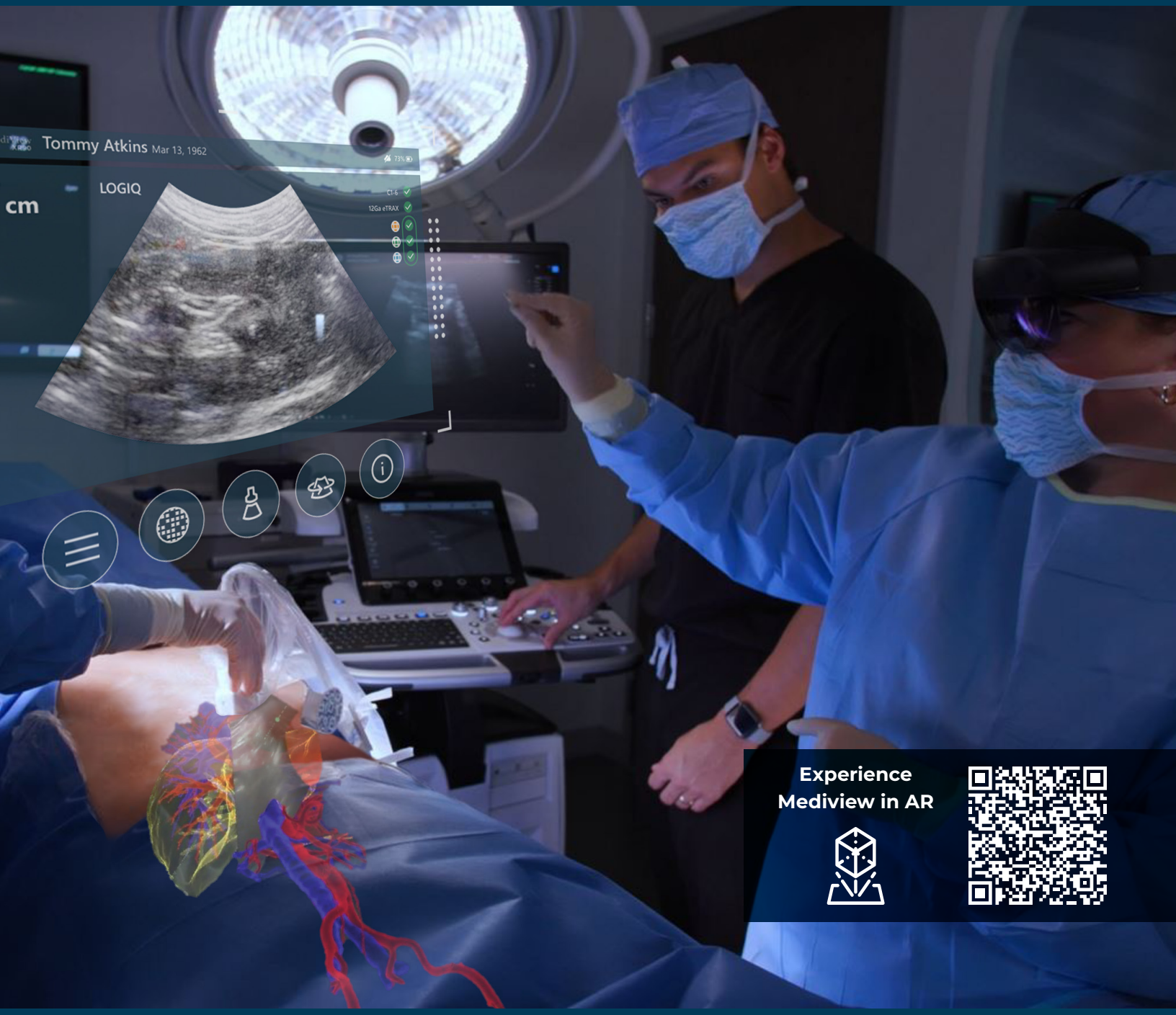
Augment your procedures with

3D X-Ray Vision



Now Compatible with **GE**
Logiq E10 Series Ultrasound

MediView
XR90

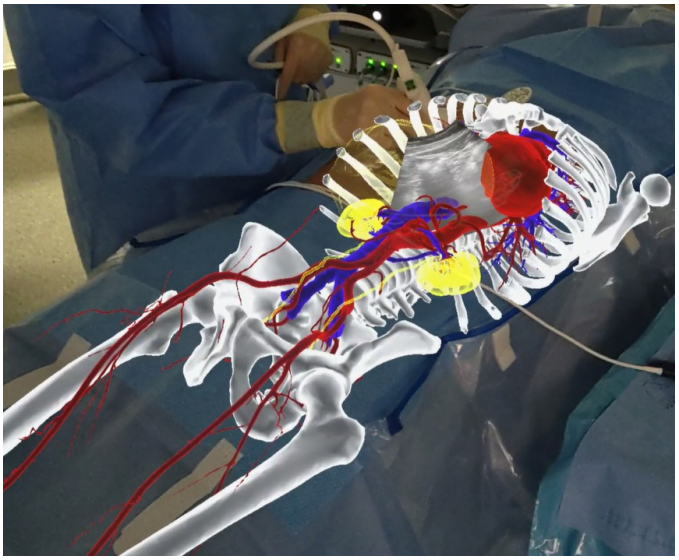
2D Problem

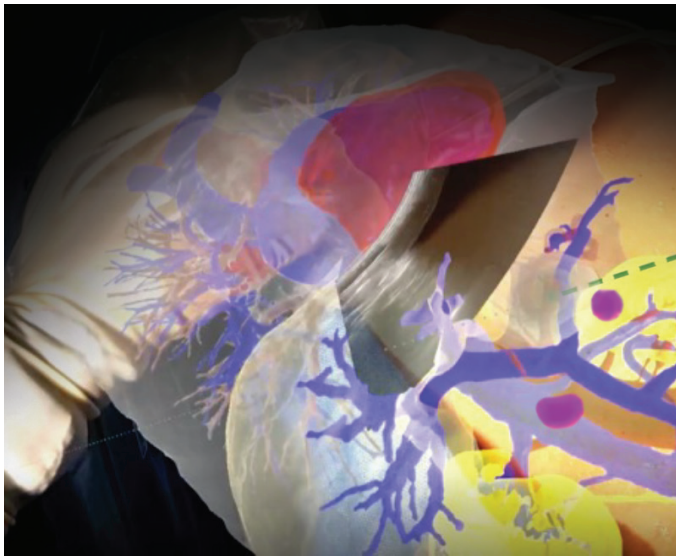
- Limitations to standard of care imaging technologies
- 2D imaging impediment to complex 3D anatomy
- Increased cognitive and physical load on clinicians

"I can't see where I'm going."

Transformative 3D Solution

- First-in-class AR visualization and navigation system for minimally invasive, needle-based, ultrasound-guided soft tissue and bone procedures
- Unprecedented 3D view of patient internal anatomy
- Increase confidence when navigating tools to target anatomy





Real-Time Adjustment

Soft Tissue & Bone Registration

Live Imaging Integration

Augmented Reality for **Workflow Efficiency and Improved Ergonomics**

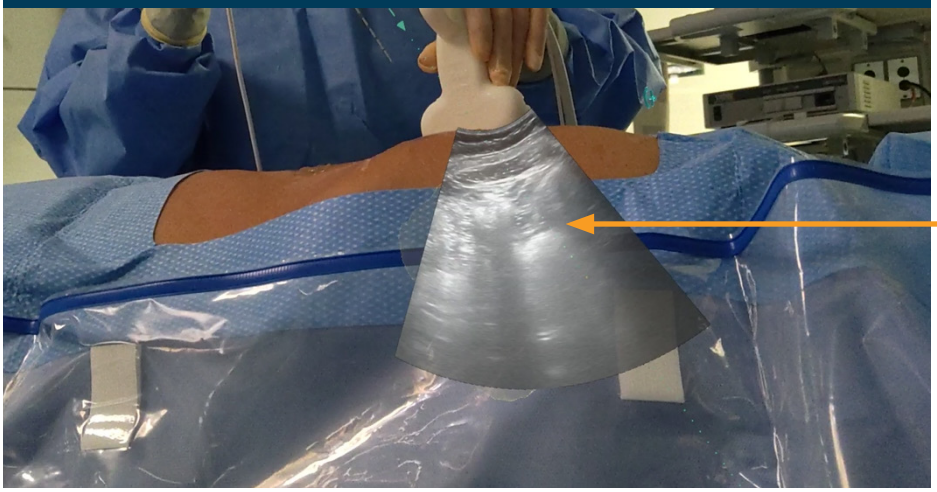
Holographically display your ultrasound in a customizable way for improved ergonomics regardless of your working position.

HEADS-UP DISPLAY

EXPLORE HEADS-UP DISPLAY

Customize placement, size, angle, and orientation of your heads-up display per your workspace needs

ULTRASOUND FLASHLIGHT



EXPLORE ULTRASOUND FLASHLIGHT

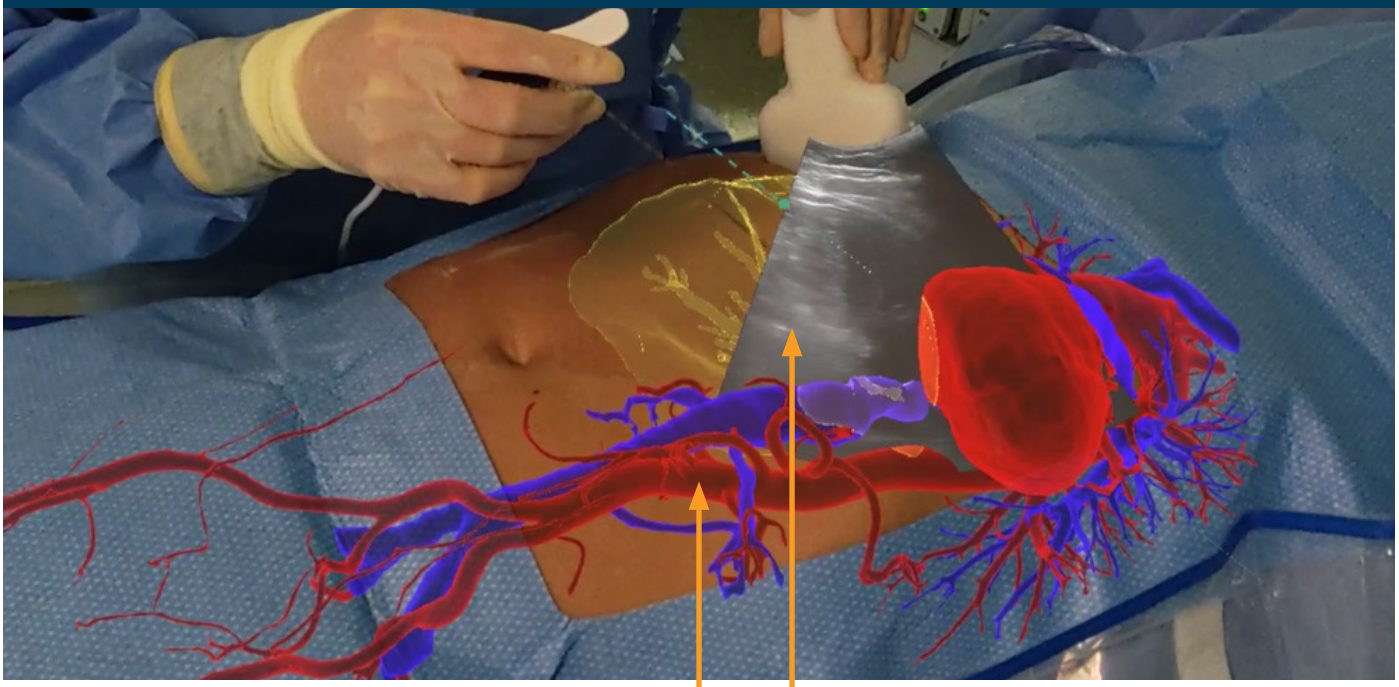
Real-time tracked “ultrasound flashlight” projects live ultrasound image overlaid into patient anatomy

Augmented Reality for **Improved Visualization of Anatomy**

Interact with patient-specific, 3D CT-based holographic anatomy for comprehensive visualization of internal anatomy, with significantly enhanced spatial and depth perception for targeting and avoidance of critical structures compared to 2D displays.[1]

EXPLORE 3D ANATOMY

HOLOGRAPHIC 3D ANATOMY



Customize view using voice and gestures to display or hide anatomic features

Holographic anatomy registered with real-time, fused, anatomic ultrasound projection

[1] Al-Nimer S, Hanlon A, Cho K, Kalra-Lall A, Weunski C, Yanof J, West K, Martin 3rd C. 3D Holographic Guidance and Navigation for Percutaneous Ablation of Solid Tumor. Journal of Vascular and Interventional Radiology: JVIR. 2020 Jan 31;31(3):526-8.

[2] Gadodia, G., Martin, C., Yanof, J., Al-Nimer, S., Chapman, A., Hanlon, A., Weunski, C. & West, K.. (2019 March). Holographic Visualization for Performance of Percutaneous Ablation of Solid Liver Tumors: From Development, to Bench Testing, to First-In-Human Evaluation. [Poster Presentation]. 2019 Society of Interventional Radiology (SIR) Annual Scientific Meeting, Austin, TX.

[3] Martin C, Gadodia G, Yanof J, Hanlon A, Cargill A, Braido P, Weunski C, Ho A. (2023, March 8). Accuracy of a Novel Augmented Reality Navigational Guidance Platform for Percutaneous Procedures. [Conference Session]. Society of Interventional Radiology (SIR) Annual Scientific Meeting, Phoenix, AZ.

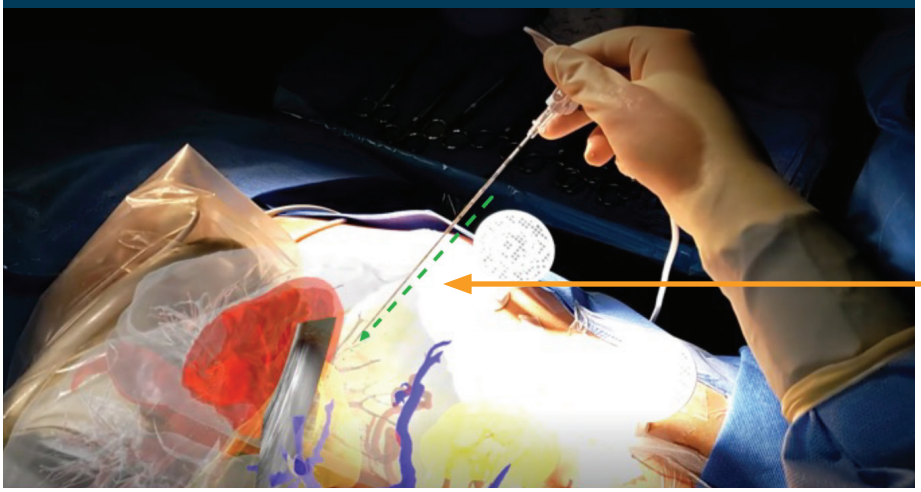
[4] Accuracy evaluated in benchtop, cadaveric, and animal studies. Data on file, TR-078, TR-123, TR-161, TR-154. Tracking accuracy evaluated per FDA-recognized consensus standard for computer-assisted surgical systems.

[5] Gadodia G, Evans M, Weunski C, Ho A, Cargill A, Martin C. Evaluation of an augmented reality navigational guidance platform for percutaneous procedures in a cadaver model, J. Med. Imag. 11(6), 062602 (2024), doi: 10.1117/1.JMI.11.6.062602.

Augmented Reality for **Real-Time Tracking and Accuracy**[2-5]

Seamlessly integrate your imaging and tools with tracked instrumentation to 3D holographic anatomy and patient's targeted anatomy during pre-operative planning and intra-operative use.

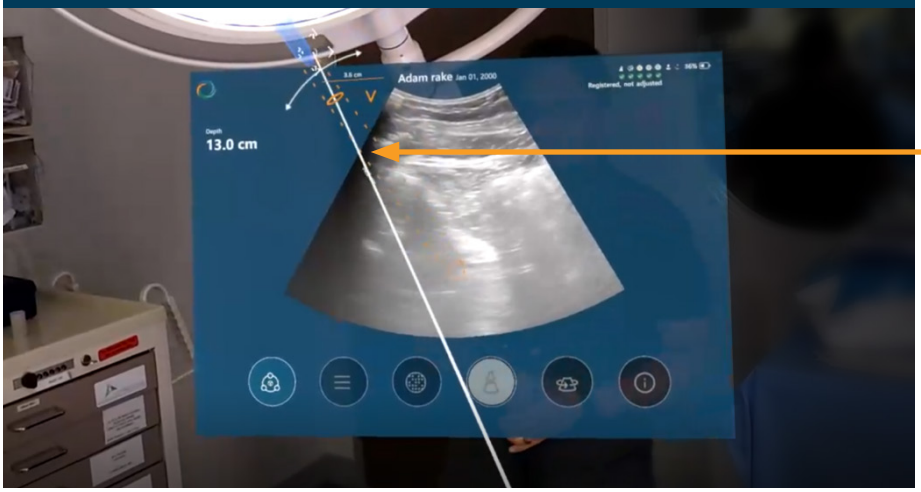
HOLOGRAPHIC LIGHT RAY



EXPLORE HOLOGRAPHIC LIGHT RAY

Tracked needle-trajectory display facilitates visualization of instrument in relation to CT hologram, ultrasound imaging and patient anatomy

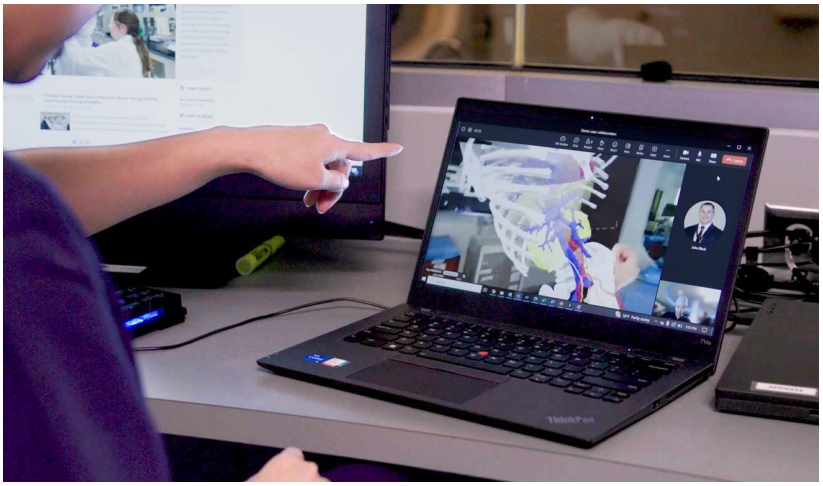
HOLOGRAPHIC NEEDLE GUIDE



EXPLORE HOLOGRAPHIC NEEDLE GUIDE

In-plane or out-of-plane trajectory planning

Augmented Reality for **Collaborative Care**



Facilitate remote collaboration, consultation, training, medical education, proctoring and support.

EXPLORE REMOTE COLLABORATION

- First-person view of clinical care setting with holographic imaging through any internet-connected device.
- Connect with external practitioners and provide ability to leverage specialized clinicians for collaborative care from any location.

Part No.	Description
XR90-SYS	XR90 Holographic Surgical Navigation System

The MediView XR90 system integrates and must be used with a commercially available ultrasound system, such as the GE Logiq E10 Series Ultrasound.

Contact your Sales Representative to learn more.

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