

University of Miami Health System to Deploy Avatar Medical and Barco's Eonis Vision for Patient Consultations

Glasses-free 3D visualization platform transforms CT and MRI scans into intuitive anatomy to improve patient understanding and clinical communication

MOUNTAIN VIEW, Calif. – June 25, 2026 – [Avatar Medical](#), the award-winning pioneer in transforming medical imaging into intuitive three-dimensional patient visualization, today announced that UHealth – University of Miami Health System and the Miller School of Medicine have begun deploying the Eonis Vision solution, comprising Avatar Medical Vision software and the Barco Eonis 3D display, as one of several tools used to support patient education during consultations.

UHealth is the first institution to implement Avatar Medical Vision Software and the Barco Eonis 3D display, included in the [Eonis Vision](#) solution, within a clinical setting. The Department of Neurological Surgery's physicians are integrating real-time, patient-specific 3D visualization into clinical sessions. It enables physicians and patients to review the images of their anatomy together during care discussions.

During clinic appointments, the neurosurgeons can pull up the patient's scans into a floating, 3D view, [powered by Dell Technologies' Dell Pro Precision workstations](#) with NVIDIA RTX PRO Blackwell Desktop Generation GPUs, allowing the anatomy to be explained in a more intuitive format than traditional scans can. That's the difference. Rather than asking patients to imagine what they see, Eonis Vision lets them see it for themselves, in a way that traditional scans rarely achieve.

Traditional medical imaging is designed for clinical interpretation, not patient understanding. With the Eonis Vision solution, physicians can instantly transform imaging data into interactive 3D anatomy that can be rotated, explored, and examined during consultations, helping patients better understand complex conditions such as brain tumors, vascular abnormalities, and surgical approaches.

"This technology changes the clinic experience," said Dr. Michael Ivan, Professor of Clinical Neurological Surgery at the University of Miami Miller School of Medicine and Director of Skull-base Surgery at UHealth. "Patients gain a much clearer understanding of their condition and treatment plan when they can see their own anatomy in three dimensions. That clarity reduces anxiety and improves the quality of the conversation between patient and physician."

The Eonis Vision solution fits naturally into the Department's existing clinical environment, supporting more meaningful patient-physician interactions without adding complexity. Physicians can incorporate 3D visualization into consultations instantly, with no additional prep or disruption to workflow.

Avatar Medical developed the Eonis Vision solution in collaboration with Barco, a global leader in medical display technology. Together, the companies are advancing a new model of clinical consultation where complex imaging data becomes understandable to patients in real time. Clinical teams use Dell Pro Precision workstations, delivering the performance required to process complex imaging data seamlessly at the point of care.

“Healthcare has invested heavily in digital diagnostics and advanced imaging, yet the consultation experience has remained largely unchanged,” said Xavier Wartelle, Chief Executive Officer, Avatar Medical. “By enabling physicians and patients to view anatomy together in intuitive 3D, UHealth is demonstrating how visualization technology can transform communication, strengthen trust, and ultimately improve patient care.”

While the initial deployment is focused within the Department of Neurological Surgery, the technology has potential applications across many other specialties, including oncology, orthopedics, cardiology, and surgical planning. By helping patients better understand their conditions and treatment options, the implementation of this system represents a step toward a more transparent, collaborative model of care.

Sales and Partnership Inquiries:

Please contact Avatar Medical at sales@avatarmedical.ai and Barco at insidesales.us@barco.com.

About UHealth - University of Miami Health System

UHealth – University of Miami Health System delivers leading-edge patient care by top-ranked physicians who treat some of the most complex cases. Powered by the Miller School of Medicine’s ground-breaking research and medical education, UHealth is the region’s only academic-based health care system. With a comprehensive network of nearly 40 outpatient facilities, its flagship hospital in the heart of Miami’s Health District, and more than 1,800 providers across South Florida, UHealth is a vital component of the community that is leading the next generation of health care. UHealth is home to Bascom Palmer Eye Institute, the No. 1 ranked eye hospital in the nation by *U.S. News & World Report*, Sylvester Comprehensive Cancer Center, the region’s only NCI-designated cancer center, and Desai Sethi Urology Institute, dedicated to urologic research and discovery, and a neurology and neurosurgery program ranked in the top 25 in the nation. These programs along with 100 other specialties, make UHealth a trusted destination for compassionate, research-based care.

About Avatar Medical

Founded in 2020, Avatar Medical develops medical visualization technology that transforms CT and MRI scans into interactive, patient-specific 3D avatars that can be viewed instantly without segmentation. The company’s flagship platform, Avatar Medical Vision, enables physicians to present medical imaging as intuitive 3D anatomy to support clinical communication, surgical planning, and patient understanding. In 2026, Avatar Medical received four major awards at the Consumer Electronics Show (CES), recognizing the company’s innovation in medical visualization and its Avatar Medical Vision software, included in the Eonis Vision solution, a glasses-free 3D imaging solution

developed in partnership with Barco. Avatar Medical's technology originates from research conducted at Institut Curie and Institut Pasteur. The company is advancing new models of patient engagement and clinical visualization across healthcare systems in the United States, Europe, and Asia. Learn more at avatarmedical.ai.

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