



PRESS RELEASE

May 15, 2025

Total Knee Replacements, Totally Transformed with New Augmented Reality Navigation System

Pixee Medical launches Knee⁺ NexSight with First U.S. Procedure

PONTIAC, Mich., May 15, 2025 - The first U.S. procedure using Pixee Medical's FDA approved Knee⁺ NexSight system for total knee arthroplasty was completed on May 6th at Trinity Health Oakland Hospital in Pontiac, Michigan. The procedure, performed by Dr. Safa Kassab, represents a major milestone in outpatient orthopedic surgery.

Unlike traditional robotic systems that require costly infrastructure and extra personnel, Knee⁺ NexSight is implant-agnostic, was designed with insights from U.S. surgeons, and built upon proven technology with more than 10,000 successful cases worldwide. The augmented reality (AR) system integrates into existing workflows, requires no pre-op CT scans, and achieves implant positioning with robotic-like precision. The wearable headset equips surgeons with real-time AR guidance while eliminating physical disposables to minimize environmental impact and decrease operating costs. Even better, because the technology is compact and agile, it's ideal for use in Ambulatory Surgical Centers.

Dr. Kassab, who performed over 1,000 total knee replacement surgeries with the previous generation of Pixee Medical's AR guidance technology, played a key role in advocating for the introduction of the enhanced Knee⁺ NexSight to the United States. As a longtime supporter of the system's precision and ease of use, he shared essential clinical insights with Pixee Medical, helping to enhance the platform and adapt it to meet surgeons' needs, particularly in outpatient environments like Ambulatory Surgical Centers. "It gives the precision I need, without disrupting how I already work," Dr. Kassab explained. "It is as accurate as any robotic system, but far more intuitive and efficient and fits the pace and practical realities of outpatient surgery."

While surgeons enjoy Knee⁺ NexSight's precision and control, the patient benefits are also top of mind. Patients needing a total knee replacement benefit from a less invasive procedure, which eliminates the need for percutaneous pins or intramedullary rod use, contrary to conventional methods and most robotic systems.



"This isn't just an upgrade, it's a rethink," said Sébastien Henry, founder and CEO of Pixee Medical. "Knee+ NexSight is designed to meet the demands of the U.S. market: high-volume, cost pressures, and surgical autonomy. AR navigation lets us bring advanced guidance to more surgeons, in more settings, without the compromises of older technology. By enabling more personalized and precise implant placement, unique to a patient's anatomy, Knee+ NexSight helps to optimize patient outcomes."

Following this successful completion of the first U.S. procedure, Pixee Medical is focused on expanding the use of Knee+ NexSight across Ambulatory Surgical Centers throughout the United States.

About Pixee Medical

Pixee Medical develops augmented reality solutions for implant placement that offer orthopedic surgeons cutting-edge and clinically proven tools for precise and efficient surgery. Its first generation Knee+ technology has already been used in over 10,000 procedures in more than 20 countries, demonstrating its positive impact on surgical practices worldwide.

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