

UOI's Dr. Andrew Green First Surgeon in New England to Use ARVIS® Augmented Reality System for Joint Replacement Surgery

Revolutionary AR Technology Enhances Precision, Reduces Cost for Shoulder Replacements

EAST PROVIDENCE, RI, UNITED STATES, June 12, 2025 /EINPresswire.com/ -- [Dr. Andrew Green](#), a renowned shoulder specialist with [University Orthopedics](#), recently became the first surgeon in New England to utilize [ARVIS®](#), a groundbreaking augmented reality (AR) guidance system for shoulder joint replacement surgery.



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Dr. Andrew Green, UOI Chief of Shoulder & Elbow Surgery

Developed by Enovis™, ARVIS® (Augmented Reality Visualization and Information System) is the only AR platform currently available in the United States that enables surgical navigation for shoulder joint replacements, all within a single, compact system, thus facilitating precise implant placement.

“I’ve incorporated ARVIS® into my practice because it’s designed specifically to fit the needs of my shoulder patients,” said Dr. Green, Chief of Shoulder and Elbow

Surgery at Brown University Health and University Orthopedics. “After more than 30 years performing shoulder replacements, I know how important the small details are to a good result. My patients deserve the best tools and technology available. The ARVIS® system helps me to precisely position the implants, which is especially important in cases with more severe bone deformity. Published research studies show that computer-assisted planning and navigation improve the surgical accuracy over traditional unguided surgical techniques. With ARVIS®, I have complete control of the surgery.”

Shoulder pain caused by osteoarthritis and severe rotator cuff disorders is the most common

reason for anatomic and reverse total shoulder replacements. While less common than hip and knee replacements, utilization of shoulder arthroplasty is increasing at a faster rate and is expected to rise as the population ages.

“Shoulder replacement requires time for recovery,” said Dr. Green, who is also a Professor of Orthopaedic Surgery at the Warren Alpert Medical School of Brown University. “Innovation and advances in technology, such as ARVIS®, will significantly impact how quickly patients return to the activities they love. ARVIS® allows for an individualized surgical experience tailored to each patient's unique anatomy.”



Dr. Andrew Green of University Orthopedics and Brown University Health recently became the first in New England to use ARVIS® augmented reality technology during shoulder replacement surgery.

ARVIS® integrates tracking cameras, a 3D AR display, and a hands-free interface within a surgical helmet-compatible eyepiece. Its proprietary hardware enhances surgical precision while minimizing the physical footprint and financial burden associated with traditional robotic systems.

University Orthopedics' adoption of ARVIS® marks a new era of accessible, high-tech orthopedic care for patients in New England and sets a precedent for other institutions nationwide.

For more information about Dr. Andrew Green and shoulder surgery at University Orthopedics, visit UOI.com or call 401-457-1500.

To learn more about ARVIS®, visit Enovis' website.

Peter Lucas
Practice Marketing & Communications
+1 401-525-8113
[email us here](#)

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