



Remedy Robotics Debuts Pioneering Endovascular Surgical Robotic System and Completes World's First Fully Remote Neurointerventional Procedures

Groundbreaking remotely operable robotic system to usher in a new era of minimally invasive surgery for cardiovascular emergencies, radically expanding access to this critical care globally

SAN FRANCISCO — October 6, 2025 — [Remedy Robotics, Inc.](#), a leading medical technology company, today debuted the world's first remotely operable endovascular robotic system. By combining proprietary hardware with AI-enabled software, the Remedy N1 System empowers clinicians to deliver faster, safer, and more effective intervention to patients with cardiovascular conditions—such as stroke, heart attack, or vascular trauma—whether they be across the room or across the globe. This groundbreaking technology will both elevate the standard of cardiovascular care and dramatically expand access to treatment for time-critical conditions.

The Remedy N1 System recently completed a series of first-ever, in-human procedures led by [Vitor Mendes Pereira, MD](#), a world-renowned neurosurgeon at St. Michael's Hospital and professor at the University of Toronto. These procedures included fully remote operations conducted between two separate hospitals within the Unity Health Toronto network: St. Michael's Hospital and St. Joseph's Health Centre. Marking the world's first entirely remotely operated endovascular interventions, these procedures demonstrate the potential of the Remedy N1 System to deliver life-saving treatments for cardiovascular emergencies such as stroke, regardless of distance.

"By successfully completing these remote procedures in humans, we're not just introducing a breakthrough technology—we're taking the real steps towards ensuring that every person around the world has access to the best possible endovascular care," said [David Bell, MD, CEO and Co-Founder of Remedy Robotics](#). "This milestone is a testament to our team's dedication and our commitment to partnering with leading clinicians and institutions, like Dr. Vitor Pereira and Unity Health Toronto. Together, we're building a solution that will transform cardiovascular care globally."

Cardiovascular diseases, such as stroke and heart attack, are the [number one](#) cause of death and disability worldwide—responsible for roughly 19 million deaths annually—according to the National Institutes of Health. Stroke alone accounts for nearly [\\$900 billion](#) in annual global costs, per the World Stroke Organization. Endovascular intervention is the gold-standard treatment, but access is currently limited to select specialist hospitals.

[Jake Sganga, PhD](#), CTO and Co-Founder of Remedy Robotics, commented, "The Remedy N1 System represents the next generation of surgical robotics, using advanced AI and machine learning to enable clinicians to operate robotically with a degree of visibility, precision, and control



that has never before been possible. The system is engineered for scalability, allowing for straightforward deployment at virtually any hospital and, for the first time, allowing clinicians to complete entire endovascular procedures remotely from start to finish. The N1 System will allow every hospital to provide safe and precise endovascular intervention for cardiovascular procedures, and will empower physicians to provide expert care wherever it's needed."

The Remedy N1 System includes an endovascular robot that integrates seamlessly into any catheterization laboratory (cath lab) and AI-enabled software for precise, safe control of multiple tools simultaneously. The system features 360-degree catheters for safe navigation through the vasculature, built-in connectivity with image streaming and latency management for seamless remote operation, and an integrated contrast injector that allows operators to manage all aspects of the procedure. Additionally, it supports audio-visual communication between the cath lab and the remote operator, and includes a simple, portable operator console designed for easy deployment both within and outside hospital environments.

Dr. Pereira added, "Performing minimally invasive cardiovascular interventions with this level of robotic assistance, and entirely remotely, is absolutely transformative, even for experts in the field. The Remedy N1 System delivers exceptional maneuverability, dexterity, and visual clarity, enabling precise control and a significantly enhanced patient experience. The success of these world-first in-human remote procedures is a strong validation of the platform's precision, safety, and potential to transform patient care globally."

On speaking about its investment in Remedy Robotics, **Blackbird Ventures General Partner Michael Tolo** said, "Remedy Robotics is pushing the boundaries of what's possible in modern medicine. The team's ability to combine cutting-edge robotics, advanced machine learning, and real-time imaging to enable remote cardiovascular intervention is nothing short of transformative. We're proud to support a company that's not only pioneering a new era of care, but doing so with global scale and impact in mind."

"By integrating advanced AI, machine learning, and computer vision with cutting-edge hardware, Remedy Robotics is distinguishing itself from the MedTech field and leading a new generation of surgical robotics," said **DCVC General Partner James Hardiman**, commenting on the firm's investment in Remedy Robotics. "With this milestone, the Remedy team is poised to make a profound impact on both patient outcomes and health system operations, and we are proud to support them in their mission."

The successful completion of the first-in-human procedures marks a significant milestone for Remedy Robotics, ushering in a new phase focused on expanded clinical trials and the development of additional applications across a range of cardiovascular surgical specialties. The Remedy N1 System remains under development and is not yet available for sale.



About Remedy Robotics

Remedy Robotics is a medical technology company revolutionizing cardiovascular care through its proprietary software and robotic system. The company has developed the world's first remotely-operated endovascular surgical robotic platform, empowering physicians to perform life-saving cardiovascular interventions with unparalleled ease and precision across vast distances. By integrating state-of-the-art robotics with advanced machine learning, Remedy is helping overcome geographic barriers and delivering faster, more effective care to cardiovascular patients everywhere. Academic journal articles on remote robotic neurointervention, co-authored by Remedy Robotics CEO David Bell and collaborators, have been published in [*Interventional Neuroradiology*](#) and the [*American Journal of Neuroradiology*](#), and the company holds 45 patents on its N1 System. Headquartered in San Francisco and backed by DCVC, Blackbird, KDTvc, and Tony Fadell's Build Collective, the company is proud to partner with clinicians from leading medical institutions across the US and around the world, including as the exclusive robotic partner of [*Mission Thrombectomy*](#), a leading global stroke initiative dedicated to expanding access to this lifesaving treatment. Learn more at www.remedyrobotics.com.

About Unity Health Toronto

Unity Health Toronto is Canada's largest Catholic health care provider with a wingspan across Toronto's core. The breadth of services we provide, strengthened by community partnerships and academic affiliations, positions us as a national model for collaborative, integrated, high-quality care as we work to build a stronger, resilient, and equitable health system for all. Guided by our mission and values, we aim to provide the best care experiences at every stage of our patients' health journey, from pediatric to primary care, urgent and acute care, specialty programs, seniors care, rehabilitation, long-term care, palliative care, and advanced care for the most complex patients. Our strength lies in the combined expertise of our sites: a community, academic, and acute care hospital at St. Joseph's Health Centre, a research-intensive academic health sciences centre at St. Michael's Hospital, a campus of care for seniors, rehabilitation, and long-term care at Providence Healthcare, and a constellation of satellite clinics offering community-based and primary care. As a leading Canadian health research institution and learning destination of choice for health professionals, we are advancing healthcare for all united by one vision: *The best care experiences, created together.*

Media Contact

For Remedy Robotics:

Sara Linehan

sara@drumbeatcomm.com

For Unity Health:

communications@unityhealth.to