

Addressing the Challenges of Remote Care with BlueCart™

Dr. Daniel Roque's Initiative in Rural North Carolina

In Chapel Hill, North Carolina, Dr. Daniel Roque MD, the Director of the UNC Movement Disorders Neuromodulation Program encountered a challenge: how could he effectively treat patients who were in rural areas? Previously, he had been traveling back and forth to a site in Hendersonville, NC, where Dr. Joel Callahan, M.D., FAAN, a board-certified neurologist, practiced.

Dr. Roque's specialty in Parkinsons and movement disorders was a necessary addition for certain patients receiving care in Hendersonville. Being in a rural location, Dr. Callahan often encountered patients who had to endure the 4-hour drive to UNC Chapel Hill or wait for Dr. Roque's availability to visit them. His expertise was needed, but time, travel, and scheduling proved to be difficult obstacles.

Enhanced Audio-Visual Capabilities for Assessments

In the field of neurology, it is crucial for the healthcare provider to observe the eye movements and head motions of the patient. This meant finding a cart with an extremely enhanced audio and visual system and technology that was easy, smart, and seamless to deploy.



The Solution: BlueCart

Dr. Roque and Dr. Callahan struggled to find an existing telehealth cart that met their needs. The hospital's current carts were equipped with low-quality cameras, subpar audio systems, and took a long time to efficiently sterilize. This is when he discovered the newest innovation in the telehealth market: the AURA BlueCart™. With its accommodating height features, patented easy-to-clean design, and high-quality camera and audio system, it was exactly what he was looking for. The key features of BlueCart responded to the needs of both doctors.

The Power of Advanced Telehealth

BlueCart's Ultra-HD pan-tilt-zoom camera offers Dr. Roque the capability to zoom into the patient's eye, ensuring sufficient clarity to observe intricate details and accurately assess the situation. This allowed Dr. Roque to get a clear view of the eye, devoid of any blurriness, and an accurate patient analysis- all without leaving his primary site at UNC Chapel Hill.

Maximizing Resources

In addition, this new telehealth cart would allow Dr. Callahan to offer a wider access of care to his rural patients who may not have had the time or means for transportation. The use of BlueCart also created the opportunity for cost savings in Dr. Callahan's practice. On average, clinics using telehealth have achieved cost savings of up to \$121 per patient visit.

Expanding Patient Care

With the newfound access to Dr. Roque's specialized care, Dr. Callahan is now able to expand his patient base and potentially elevate the standard of patient care. His prior dedication to improving patient care was so remarkable that he was ultimately promoted to the position of Chief of Staff at UNC Pardee.



BlueCart afforded us a high-resolution camera with significant improvement in streaming video quality, using any number of commercially-available real time, HIPAA compliant communication platforms. There was also significant capability to mobilize the unit.

Dr. Daniel Roque, MD
Director of the UNC Movement Disorders
Neuromodulation Program

The Creation of AURA BlueCart™

The Minds Behind BlueCart

BlueCart was developed during the COVID-19 pandemic to overcome a problem brought to light by Dr. Gwenn Garden, MD, PhD, the Chief of Neurology at UNC- the need for a new telehealth cart. Dr. Garden worked with the AURA Technologies co-CEOs, Anna and Douglas Bennett, to create this new telehealth solution together. With Dr. Garden's insight into the hospital environment and AURA's dedication to solving real world problems, the idea of BlueCart was set into motion.

Telehealth: On the Rise

In the wake of COVID-19, telehealth is now critical for hospitals. The market is constantly growing and is projected to have a CAGR (Compound Annual Growth Rate) of 24.13% from 2023 to 2032. During the pandemic, healthcare providers were met with new restrictions preventing them from using their personal devices to conduct telehealth appointments- even if they were equipped with the Epic software. Because of this, hospitals were required to purchase additional computers for providers to use from their homes which resulted in a costly communication network.



Healthcare Reimagined

By integrating BlueCart, healthcare specialists like Dr. Roque can now extend their care to a greater number of patients that lacked access to a specialist prior. BlueCart alleviated stress and reduced travel expenses for patients and providers alike. The cutting-edge Ultra-HD camera enhanced the clarity of patient-provider interactions, while also allowing loved ones to feel connected from a distance.

BlueCart had become the solution that Dr. Garden was looking for- **an enhanced telehealth experience.**

Don't miss out on this opportunity to elevate your facility towards growth and success!

Ready to Try the AURA BlueCart™ in Your Facility?

Contact the BlueCart Team today!

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