

## NEUROSCIENCE INTENSIVE CARE UNIT

# Caring for Our Community's Neurological Needs



At **St. Mary's Hospital**, we understand that a neurological emergency requires more than just medical expertise — it demands compassion, advanced technology, and a multidisciplinary team. We also understand that minutes matter. We are proud to introduce our **Neuroscience Intensive Care Unit**, a space where cutting-edge care meets personalized attention. As part of our new Critical Care Tower, this unit is designed to support the most critical neurological patients, providing world-class treatment and an exceptional patient experience. The Neuroscience ICU provides specialized, around-the-clock care by a dedicated team of experts, leading to improved survival rates, better functional outcomes, and reduced hospital stays. These units offer advanced monitoring, specialized treatments, and protocols tailored to neurocritical illnesses.

## State-of-the-Art Technology to Support Your Recovery

We've invested in advanced technology that supports not only the recovery of the brain but also the overall well-being of our patients.

Some key technologies include:

- **Pupillometry:** Continuous, objective pupil monitoring allows for early detection of increased intracranial pressure or brain herniation, enabling timely and potentially life-saving intervention.
- **NICOM (Noninvasive Cardiac Output Monitoring):** Provides real-time, non-invasive measurements to guide optimal hemodynamic management and volume resuscitation.
- **Electroencephalogram (EEG) Monitoring:** Continuous, routine, and point-of-care EEGs provide real-time, 24/7 monitoring of brain activity, enabling rapid detection and management of seizures and other neurological disorders.



“ When caring for patients with brain injury, a multidisciplinary team is essential. With its varied expertise, and collaborative spirit, these teams are the foundation upon which successful outcomes are built. ”

– **Mary Baker, MD, FCCP**  
Medical Director of Neuro Critical Care, St. Mary's Hospital





# Expert Care, Tailored for You

Our multidisciplinary team works around the clock to create a care plan that's as unique as each patient. From neurocritical care specialists to physical therapists, everyone is dedicated to delivering personalized care.

- **Neurocritical Care Team:** Our team is led by specialists with advanced training in neurocritical care, neurointerventional surgery, neurosurgery, neurology, neuroradiology, pathology, and vascular surgery. Together, they deliver highly focused care for patients recovering from strokes, traumatic brain injuries, and complex neurological surgeries.
- **Therapeutic Support:** Rehabilitation begins as early as the ICU, with physical therapists, occupational therapists, and speech-language pathologists engaging patients from Day 1 of admission to enhance recovery and reduce complications. Stroke coordinators further support the patient journey, ensuring a smooth transition from hospital care to outpatient follow-up.



“ In 2019, St. Mary's took a leap of faith and performed a thrombectomy that saved my life. Current technology and procedures are the critical building blocks that make recoveries like mine possible, so that individuals like me, have the potential to piece their lives back together and flourish. ”

– Olivia Lewis

## HOW CAN YOU HELP?

Philanthropy makes transformational care possible. With your support, we can elevate critical care — right here in our community.

Your gift can:

- Enhance the new Neuroscience ICU with advanced technology and patient-centered features
- Fund essential programs that improve care and comfort for patients and families
- Support clinical education to continually raise the standard of care
- Invest in our expert team of intensivists and critical care specialists
- Advance smart technology to enhance outcomes and reduce costs

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