

Surgical & Medical Care



For more information,
please contact:

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Nerve Integrity Monitoring System: NIM 4

Quantity needed: 1
Cost per unit: \$58,000

A nerve-monitoring system used during General and ENT surgery to reduce the incidence of accidental nerve injury, this multi-component assembly of electrically-powered devices is designed to locate a nerve and monitor its function by applying an electrical stimulus with a probe and observing muscle responses throughout the surgery. Once the pathways are located, their transmission capabilities can be assessed by comparing observed muscle responses with the expected maximum contractions. The system includes an electrical pulse generator, appropriate electrodes, sensors to detect muscle response, and audible and or visual indicators to track and notify the surgeon in real time of nerve condition visually and audibly.



Our current Nerve Integrity Monitoring (NIM 3) system is now at end of life and can not be supported by the vendor. As monitoring and assessing nerves during surgical procedures is a critical element of ensuring patient safety and positive patient outcomes, the acquisition and replacement upgrade of this new NIM 4 technology is required.



**Richmond
Hospital
Foundation**
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Help transform health care in Richmond.**

Consistent with our Fiscal Responsibility policy, a 5% contribution (already included in total listed) from all designated donations will support the Gift of Health Fund and the work of Richmond Hospital Foundation to improve care for patients and families.

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PneumoClear

FUNDED!

Quantity needed: 1
Cost per unit: \$16,000

PneumoClear is a system that provides controlled air pressure into an area of the abdominal cavity to create the necessary space for laparoscopic surgery. Currently, Richmond Hospital has an 11-year-old system that can no longer be used or replaced, posing a threat to timely treatment for patients requiring surgery. The PneumoClear provides heating, humidification, and smoke elimination in addition to insufflation, and will improve workflow and efficiency by ensuring a stable surgical site.



Ultrasound System

FUNDED!

Quantity needed: 1
Cost per unit: \$34,000

An ultrasound system is used to place long-term IV access for cancer treatment, infections, and nutrition. It's also used for guiding IV catheters for those with difficult IV access to reduce pain and avoid delays in treatment. Upgrading the ultrasound will improve visualization for safer vascular catheter insertion, reduce IV attempts and trauma, and enhance patient care by decreasing complications and preserving vessel health.



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