



# A NEW ERA FOR NEUROSCIENCE

SUPPORTING ADVANCED CLINICAL TECHNOLOGY  
AT **JEFFERSON HEALTH - ABINGTON**

A Case for Support | November 2021

VICKIE AND JACK FARBER INSTITUTE FOR NEUROSCIENCE





*Be Bold  
and Think  
Differently.*

*Put  
People  
First.*



*Do the  
Right  
Thing.*



# Dear Friend,

Every treatment that is now a standard of care began as a question: how can we provide the best care possible? At Jefferson, our expert faculty have been answering that question time and again, converting high-impact discoveries into life-changing clinical innovations.

The Neurosurgery Division at Jefferson Abington Hospital is a shining example of this mission in action. Our entrepreneurial spirit, forward-looking focus, and commitment to our patients continually push the boundaries of neurosurgery and help to shape the discipline into what it is today.

In this field, technology is the key to unlocking new insights and treatment pathways hidden in the connections between the brain, spine, and peripheral nerves. In this prospectus, you will learn more about the vital and state-of-the-art operative and imaging devices that will markedly enhance our clinical capabilities, transforming Jefferson Abington Hospital into an unparalleled destination for the latest in neurosurgical treatments.

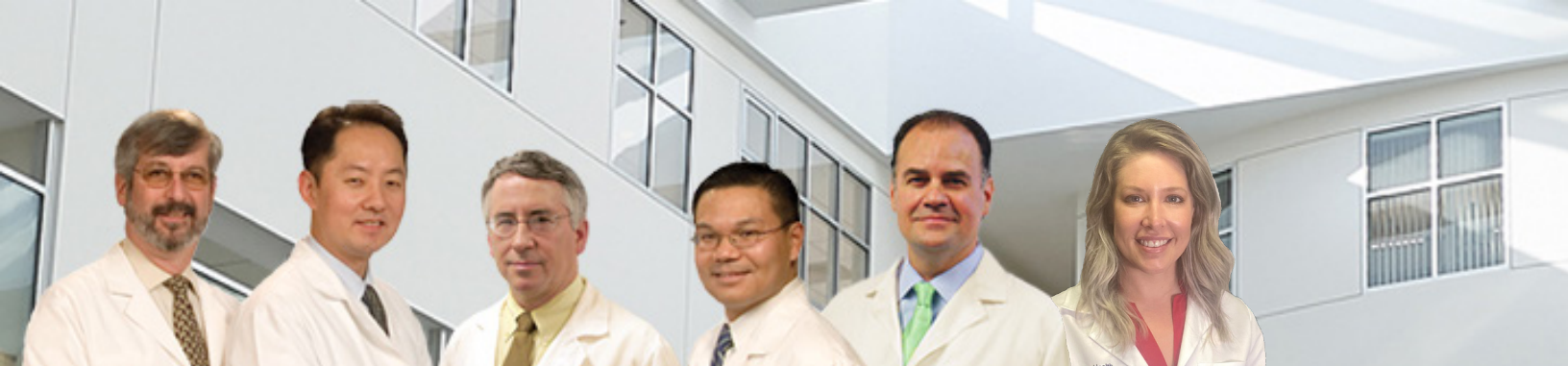
This advanced clinical technology will bring more comprehensive and convenient neurological care where it matters most—the community we serve. It will streamline the treatment process and strengthen Jefferson Abington Hospital's position as a leader in neurosurgery. Most importantly, it will improve the lives of our patients, now and far into the future.

**Thank you for being such committed champions of our program, and for your thoughtful consideration of this investment.** Together, we will build a new era for neurosurgery at Abington, making exceptional neurosurgical care close to home a possibility for countless patients.

— **Douglas W. Laske, MD**

Chief, Neurosurgery Division,  
Jefferson Abington Hospital





# A VISIONARY TEAM

The Neurosurgery Division at Jefferson Abington Hospital offers high quality surgical treatment of the nervous system, including the spine, brain, and peripheral nerves. With operating locations in Abington and Lansdale Hospitals, this program provides state-of-the-art, comprehensive neurological care in a community setting close to home.

Through Jefferson's Sidney Kimmel Cancer Center at the Asplundh Cancer Pavilion, we provide world-class neuro-oncology care to our patients, and our position within the Vickie and Jack Farber Institute for Neuroscience connects us to a vast network of leading edge research and clinical trials that give new hope to our patients.

Led by Douglas W. Laske, MD, Division Chief, our highly experienced Abington neurosurgeons are at the top of their field. With specializations in advanced robotics surgery, minimally invasive microsurgical techniques, and stereotactic radiosurgery, we are a premier location for the highest level of care, especially in the treatment of brain and spine tumors.

Your gift to support this leading-edge team will be used to secure additional advanced clinical equipment to launch a bold new era for Abington's Neurosurgery Division, claiming our position as one of the most advanced operative environments anywhere in the country.

We have the expertise. We have the facilities. Now, with your support, we are poised to deliver even greater outcomes for our patients. On the facing page, we have identified three new technologies our surgical team will acquire to build the Neurosurgery Division at Jefferson Abington Hospital into a facility with unparalleled tools to continue improving lives—for generations to come.



The Neurosurgery team at Abington is dedicated to providing the highest quality care for our patients, educating the health professionals of tomorrow, and discovering new treatments and therapies that will define the future of care. **Philanthropy provides the fuel that brings our big ideas to life.**

— G. Michael Lemole, Jr., MD, FACS, FAAN

Director, Vickie & Jack Farber Institute for Neuroscience at Abington-Jefferson Health  
Professor & Vice Chair, Department of Neurological Surgery, Thomas Jefferson University

## Neurosurgery at Abington

U.S. News & World Report ranked Abington Hospital 7th in the Philadelphia Metro area and 12th in Pennsylvania, and our growing enterprise is consistently heralded for our neuroscientific advances. Among the many conditions treated by our neurosurgeons at Abington include:

- Cerebrovascular disease
- Intracranial aneurysm and cerebral hemorrhage
- Tumors of the brain, spine, pituitary, and skull
- Traumatic brain injury and spinal trauma
- Stroke
- Degenerative diseases or defects of the spine, skull, and peripheral nerve (including carpal tunnel syndrome and peripheral nerve tumors)
- and more...



# The **NEXT GENERATION** in **ABINGTON'S** **NEUROSURGICAL** **CAPABILITIES**

**If you want to change the world, you have to think differently, and that's exactly what we do at Jefferson Health - Abington.** Combining the strengths of the region's most extensive neuroscience network at Jefferson's Vickie and Jack Farber Institute for Neuroscience with one of the nation's leading cancer treatment centers at Asplundh Cancer Pavilion, the Abington Neurosurgery team is poised to become a sought-after destination for expert neuro-oncological care, and a clinical research powerhouse exploring novel and innovative diagnostic and therapeutic options for neurosurgery.

To realize the next generation in neurosurgical interventions, Jefferson Health - Abington will interlock technologies, expertise, and experience to enable our surgeons to see like never before—leveraging the latest in robotics, imaging, and microscope technology to treat the most complex of tumors in the spine and brain.

**Below are descriptions for the advanced clinical technology we can unlock with your philanthropic gift:**

## **1 Neurosurgical Robot**

Similar to the DaVinci robot for general surgery, this precision-guided arm makes complex procedures like spinal drilling and screw placement exceptionally accurate, delivering enhanced operative outcomes and less-invasive options for spine and brain tumor treatment.

## **2 Navigation System with 3D C-arm**

The mobile intraoperative CT imaging system seamlessly integrates into the operative environment to provide optimized imaging for cranial and spinal procedures.

## **3 Video Microscope**

Combined with the new robotic capabilities of the Abington Neurosurgery OR, a video microscope plays an indispensable role in performing state-of-the-art surgeries, allowing the entire surgical team to see what the surgeon is seeing—with uninterrupted viewing and enhanced accuracy.



# OUR IMPACT

## Getting a Spinal Tumor Patient Back on the Road



Melissa Bingham, of Blue Bell, often travels for her job. "I am director of operations for a company that provides business consultation for veterinary practices," she says. "I visit practices in a number of states."

Earlier this year, she developed numbness in her legs and abdomen and was referred to a neurologist. "Vidhu B. Gupta, MD, sent me for an emergency MRI. It turned out that I had a tumor pressing on my spinal cord." Meningiomas, the type of tumor on Melissa's spine, occur in the membranes surrounding the spinal cord. They are usually benign but can be malignant.

"I was sent to the Emergency Trauma Center (ETC). The physician there said he was surprised to see me walking, based on the size and position of the tumor. At that point, it was the middle of the night and I was very scared. A physician assistant from Neurosurgical Associates of Abington came in to explain the results and reassured me about what would happen next."

Surgery was scheduled quickly with Douglas W. Laske, MD, Chief of the Neurosurgery Division at Jefferson Abington Hospital, an expert on spinal tumors. Dr. Laske removed the tumor and, fortunately, it was benign. According to Dr. Laske, "Melissa's lower extremity sensation and gait improved after the surgery."

"At every step of the way, from the neurologist's office to the ETC to my operation and inpatient stay, I was treated with compassion and empathy," says Melissa. "I always felt I had chosen the right place for my care."



With your support, Abington's Neurosurgery Division can provide a level of care never before reached in a clinical community setting. By acquiring the latest in advanced clinical equipment, we will not only improve outcomes for our patients—we'll **propel Jefferson Abington Hospital to a new level in neurosurgical care.**

— G. Michael Lemole, Jr., MD, FACS, FAAN



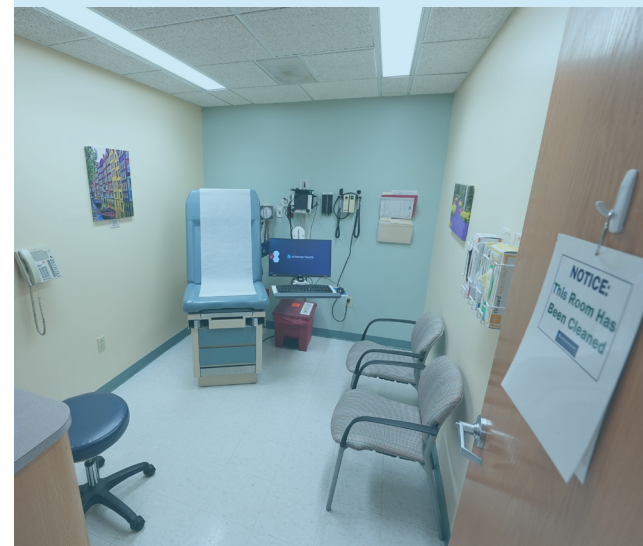
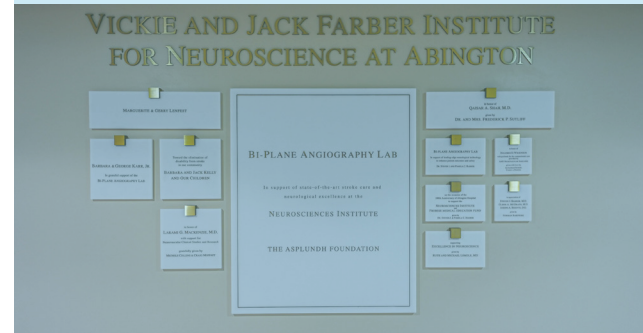
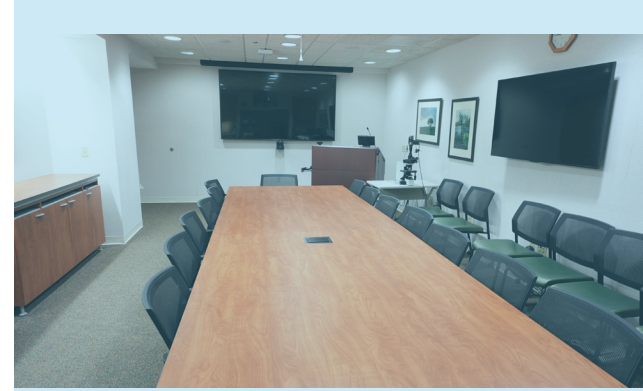


# Request for Support

With a gift to fund advanced clinical technology in the Neurosurgery Division at Jefferson Health - Abington, you help bring quality care and high-impact research to more patients.

In recognition of your gift, we invite you to become a part of the very fabric of our institution by naming one of the spaces in our neurosurgical facility. With your gift, you will remind all who pass through our doors that Jefferson is a community of care, a community working together to improve lives.

Your gift is a powerful catalyst for innovation, blazing the trail for a new era of premier Neurosurgical care at Abington. It will inspire like-minded benefactors who understand the positive impact this program brings to the surrounding community. And it will provide residents with access to the life-saving interventions they need, close to home. ***Thank you for your thoughtful consideration.***



## NAMING OPPORTUNITIES

Naming the Neuro-oncology Program	\$	1,000,000
Neurosurgical Operating Room	\$	500,000
Neurosurgical Office Suite	\$	250,000
Neurosurgical Conference Room	\$	100,000
Naming a Fund for Excellence	\$	50,000
Neurosurgical Exam Rooms (4)	\$	25,000
Neurosurgical Offices (5)	\$	25,000



The future is bright at the Vickie and Jack Farber Institute for Neuroscience, and it is thanks in large part to extraordinary teams like the Neurosurgery Division at Jefferson Health - Abington. With increased access to leading-edge clinical technology, these experts in their field will uncover bold new frontiers in neurological surgery, improving the lives of countless patients affected by disorders of the brain and nervous system."

— **Robert H. Rosenwasser, MD, MBA, FACS, FAHA**

Jewell L. Osterholm, MD, Professor and Chair, Department of Neurological Surgery  
Professor of Radiology, Neurovascular Surgery, Interventional Neuroradiology  
President and CEO, Vickie and Jack Farber Institute for Neuroscience  
Medical Director, Jefferson Neuroscience Network  
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## FOR MORE INFORMATION, PLEASE CONTACT:

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