



**SEMMES MURPHEY  
FOUNDATION**

Research · Innovation · Education · Care

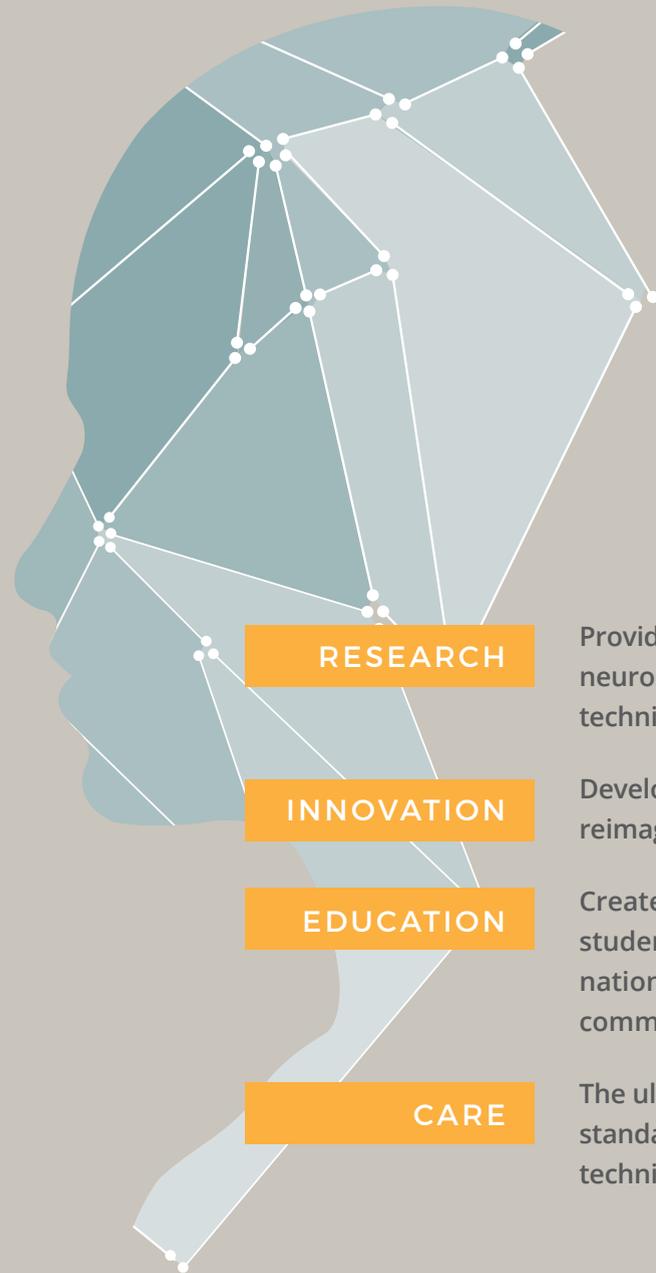


## SEMMES MURPHEY FOUNDATION

The Semmes Murphey Foundation was formed to carry on the legacy of advancing patient care that was established by its founders, Dr. Eustace Semmes and Dr. Francis Murphey, over 100 years ago.

The Semmes Murphey doctors are driven to reimagine what's possible and that's what your support of The Foundation would further. Many of the doctors treat patients (locally & globally) in a volunteer capacity, travel globally to perform research and learn new techniques, train other doctors, and help develop new technology.

**RESEARCH, INNOVATION, EDUCATION, AND CARE** are the cornerstones of The Semmes Murphey Foundation. Our goal is to improve lives and reimagine what's possible through neuroscience.



OUR MISSION

RESEARCH

Provide new research that will further the field of neuroscience and lead to better methods, systems, techniques & resources.

INNOVATION

Develop cutting edge techniques and technology that reimagine what's possible for patients everywhere.

EDUCATION

Create opportunities for graduate and postgraduate students to further their knowledge, train doctors locally, nationally & globally, and partner with the healthcare community for advanced training and learning.

CARE

The ultimate goal is to treat patients with the best standard of care possible via compassion and advanced techniques in order to save and improve lives.



RESEARCH

## The Semmes Murphey Foundation actively pursues clinical and scientific research that saves lives.

Our pediatric Neurosurgeons are active at all of the local hospitals, including pediatric hospitals, in which they work closely with an expert team to care for children with brain tumors, conduct clinical studies, and evaluate new treatments.

Some of our very own Semmes Murphey physicians are part of an elite Neuropsychology team that explores the effects and treatment of **sports concussions**. They lead research and community education efforts, and were also instrumental in drafting and lobbying a successful sports concussion bill.

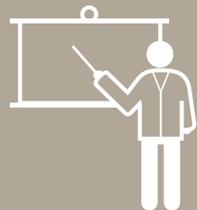
The Semmes Murphey Clinic and Foundation also work with the **Medical Education and Research Institute (MERI)**. MERI is a not-for-profit teaching and research facility that offers state-of-the-art, hands-on, educational courses for physicians around the world.



## INNOVATION

Innovation is key to providing patients with the best care possible. It starts with reimagining what's possible and evolves into new surgeries and treatment plans that change the field of neuroscience, and the lives of patients globally. The Semmes Murphey doctors are constantly coming up with new ways to improve and save lives with cutting edge techniques and practices.

Recent innovations include our work in Deep Brain Stimulation (DBS), in which electrical stimulation is used in certain areas of the brain to help control symptoms of Parkinson's disease. This ground-breaking treatment minimizes tremors and shaking, and allows patients to live an improved quality of life. A patient with a dangerous brain aneurysm was also treated with a new, noninvasive method called the WEB Aneurysm Embolization System by a Semmes Murphey physician. It was the first time this procedure was performed in the US. He was able to save the patient's life, and she is now back to teaching her 4th grade class. The Semmes Murphey Foundation helps fund research and innovations such as these to help save lives.



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## EDUCATION

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### The Semmes Murphey Foundation supports some of the brightest minds in the field through a focus on education and training.

We partner with the University of Tennessee Health Science Center to provide student, resident, and fellow training in the Departments of Neurosurgery, Neurology, and Anesthesiology. Our physicians and surgeons serve as the faculty for the Department of Neurology and Neurosurgery at the University of Tennessee College of

Medicine, and one of our very own physicians is Professor and Chairman of the UT Department of Neurosurgery.

The Foundation works to improve healthcare around the world by supporting the Semmes Murphey International Neurosurgery Outreach Program. Our surgeons make numerous trips to Bosnia and Croatia to conduct training surgeries, lecture at the Sarajevo School of Medicine, present at the Croatian Neurosurgical Congress, and foster ongoing relationships with local surgeons. The Foundation also hosts international physicians as fellows and students at the Semmes Murphey Clinic.



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## CARE

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### The Foundation works to ensure our physicians can deliver the most innovative, effective treatment options.

Caring for patients is our top priority. Semmes Murphey surgeons were instrumental in bringing the **CyberKnife** to Memphis. This cancer fighting tool is the first of its kind in the area, providing life-saving options to spine and brain tumor patients, often without surgery.

Semmes Murphey doctors are improving lives in Memphis, the Mid-South and the world. Our physicians serve as the Neurological team at all of the local hospitals, treating children, adults, and seniors. We treat almost all emergency stroke patients in Memphis and work with local high school athletic teams to diagnose and treat concussions. Our physicians travel all over the world to bring life-saving treatment to under served areas, while also training local doctors.



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## WHY DONATE

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A donation to the Semmes Murphey Foundation helps fund life-changing research and treatment that benefits your friends, your community, and the world ... and perhaps one day, even yourself.

From Alzheimer's disease to stroke care, and back pain to brain tumors, the ground-breaking treatments we're developing are changing the world. We have a singular goal: to improve lives and reimagine all that is possible through innovative Neuroscience. Join our 100-year history of research, education, innovation, and care when you give to the Semmes Murphey Foundation.

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## HOW TO DONATE

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Donate online  
[semmesmurphey-foundation.org](https://semmesmurphey-foundation.org)

Contact  
Angie Rowe | 901.259.8218

