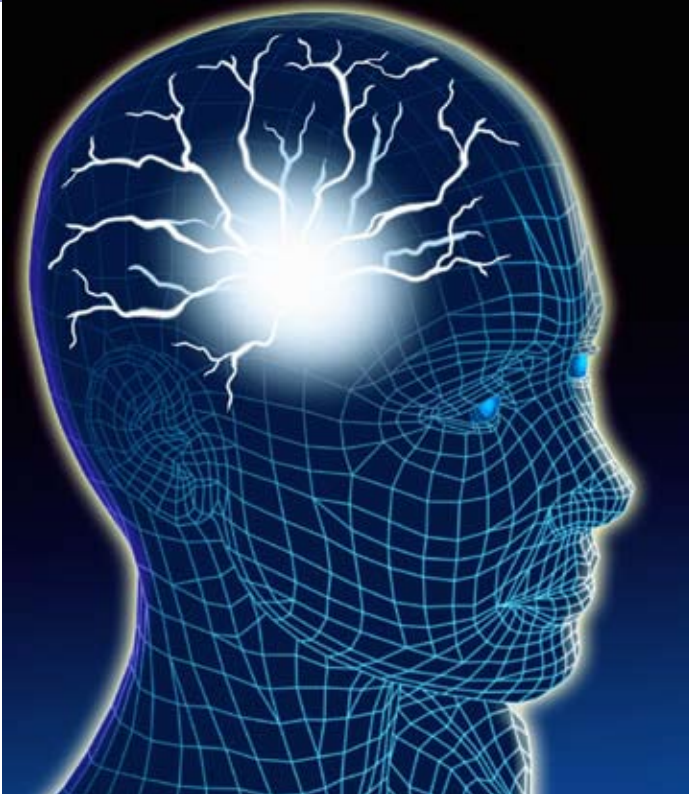


# SAINT LUKE'S BRAIN AND STROKE INSTITUTE

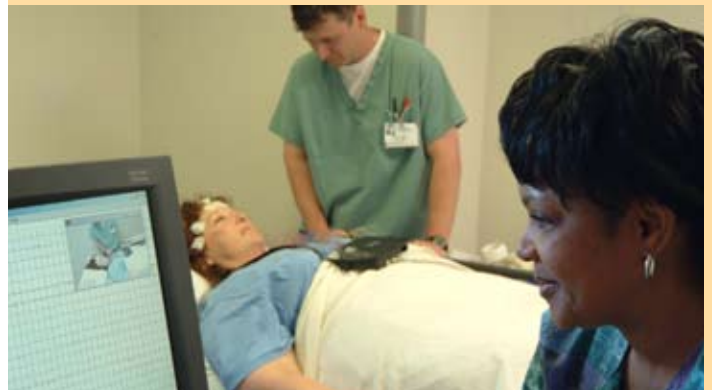


**T**he Saint Luke's Brain and Stroke Institute, part of Saint Luke's Health System, is a comprehensive, integrated inpatient and outpatient program dedicated to improving outcomes in patients with diseases of the nervous system and spine. The program includes:

- Prevention
- Diagnosis
- Treatment
- Rehabilitation
- Research and Education

Patients evaluated and treated at the Brain and Stroke Institute have access to a talented, dedicated, and compassionate team of physicians, nurses, and health care practitioners who work closely together to provide patients and referring physicians the answers they need.

Saint Luke's Brain and Stroke Institute neurodiagnostic technologist Rosie Hill, R.EEG/EP T. CNIM, performs video EEG monitoring on patients with epilepsy to detect where seizures are located in the brain.





## Comeback of a Lifetime

A stroke almost killed 28-year-old Heather Williams, but a new medical device, at the time available only at Saint Luke's Brain and Stroke Institute, pulled her back from the brink. Saint Luke's was one of only five hospitals in the country originally selected to test a corkscrew-shaped mechanical device to remove brain clots almost immediately on contact. Just 24 hours after her stroke, Williams was conscious, alert, and able to follow simple commands. Today she's almost completely recovered. She recently set a personal goal to finish nursing school, and she hopes to become a clinical nurse at Saint Luke's Stroke Center.

## Centers of Excellence

The work at the Saint Luke's Brain and Stroke Institute is organized around Centers of Excellence led by a physician and nurse champion using a "systems" approach to complex care with the patient and family as the primary focus.

**Stroke** Founded in 1993, the nationally prominent Stroke Center provides stroke intervention therapy to nearly 30 percent of patients with ischemic stroke. Over 800 patients with stroke, TIA, aneurysm, and AVMs are referred from 60 hospitals annually.

**Epilepsy** Fellowship-trained epileptologists evaluate patients using video EEG recordings to recommend the best treatment, including seizure surgery, in selected patients.

**Brain Tumor** Multiple disciplines confer to recommend combinations of neurosurgery, shaped beam surgery, radiation, and chemotherapy to ensure the best possible outcome.

**Shaped Beam Surgery** The Novalis technology, unique to Saint Luke's Hospital, integrates MRI and CT imaging to guide non-invasive surgery to the exact border of the tumor, thereby avoiding injury to normal tissue.

**Sleep Disorders** The nationally certified Sleep Disorders Center provides services throughout the Saint Luke's Health System with centralized interpretation by fellowship-trained sleep experts.

**Midwest Ear Institute** Founded in 1980, the Midwest Ear Institute has been a pioneer in cochlear implantation for hearing restoration. More than 600 surgeries have been performed.

**Neuroradiology** The latest imaging and interventional technology supports a team of experienced experts in neuroimaging and neurointervention.

**Pain Management** The pain management team offers the latest in devices and drug management of acute and chronic pain, and contributes expertise to the multidisciplinary neurorehabilitation and spine programs.

**Neurosurgical Operating Center** Seven neurosurgeons operating in the "operations room of the future" offer the full spectrum of elective and emergency neurosurgical procedures around the clock.

**Spine** Accurate diagnosis, high-tech imaging, treatment with surgery, device or drugs, rehabilitation and pain management are all part of the spine center of excellence.

People with all conditions of the nervous system and spine such as Alzheimer's disease, Parkinson's disease, Multiple Sclerosis, migraine, peripheral neuropathy, and myasthenia gravis, are evaluated by specialists and offered the latest in diagnostic and therapeutic expertise.

Providing every patient access to the most current and evolving technologies and research in neuroscience is fundamental to our mission. Many of the physicians and nurses who practice at the Saint Luke's Brain and Stroke Institute are nationally recognized leaders in clinical practice, research, and neuroscience education.

Inpatient facilities at Saint Luke's Hospital include:

- Neuroscience unit, staffed by specialty-trained nurses
- Nationally recognized Stroke Center
- Epilepsy monitoring unit
- Neurosurgical ICU
- Medical ICU
- Rehabilitation unit
- State-of-the-art neurosurgical operating room facilities
- Interventional neuroradiology suites
- Shaped beam Novalis radiosurgery center

## Living life to the fullest

For 10 years, Kristy Faircloth's medications failed to stop her seizures. Finally, surgery at Saint Luke's Brain and Stroke Institute put them to rest.



## Milestones

- 1993 – Saint Luke's Hospital's Stroke Center opens.
- 1994 – Named as a site for the original tPA (clot buster) trial for acute stroke sponsored by the National Institutes of Health.
- 1996 – Featured in *The New York Times* science section for innovative stroke treatment.
- 1998 – Saint Luke's Hospital's Stroke team featured nationally on "48 Hours."
- 1999 – Listed in *Time* magazine as one of the seven best stroke centers in the United States.
- 2000 – Discovery Channel featured stroke reversal therapy at Saint Luke's Hospital's Stroke Center in two documentaries.
- 2001 – HCIA-Sachs includes Saint Luke's Hospital's Stroke Center on list of 100 best hospitals in the United States for stroke care.
- 2002 – Inpatient and outpatient neuroscience services are integrated into the Saint Luke's Brain and Stroke Institute.
- 2003 – Comprehensive epilepsy program opens.
- 2004 – Stroke team featured in *Newsweek*, *Business Week*, and *ABC World News Tonight* for its innovative work in stroke reversal therapies.
- 2005 – Comprehensive brain tumor center opens. SLBSI becomes first center in region to offer investigational treatment for hemorrhagic stroke patients.
- 2006 – Saint Luke's completes its 200th case using the MERCI Retriever, representing the largest experience in the world.
- 2007 – Publication of *The Stroke Center Handbook* authored by Dr. Marilyn Rymer and Debbie Summers of the Saint Luke's Stroke Center.

## Our Pledge

**To Patients:** You will have ready access to the best available medical knowledge, utilizing leading edge technology, delivered by board certified sub-specialty physicians and specialty trained nurses and technicians, in a safe and caring environment. We will provide the highest level of care at the most appropriate time for every patient, every day.

**To Referring Physicians:** We will work with you to achieve the best possible outcomes for your patients. We will be accessible for phone consultations, timely patient appointments, and emergent transfers. Our communication with you will be complete and current, assuring the greatest continuity of care for your patients.

**To the Community:** The Saint Luke's Brain and Stroke Institute will be a center of excellence and a resource to Kansas City and the surrounding region, assuring that no patient should need to leave the area to receive the highest level of care available.



## Saving Face

Drugs couldn't cure the crippling face pain Virginia Miller suffered for 10 years. Then a new radiation therapy technique at the Shaped Beam Surgery Center put that pain in the past.



Paul Camarata, M.D.,  
Neurosurgeon, and  
Irene E. Bettinger, M.D.,  
Neurologist at Saint  
Luke's Brain and  
Stroke Institute.

## Outpatient Offices

(816) 531-4080

4400 Broadway, Kansas City, MO 64111

- Neurology; neurosurgery; physical medicine and rehabilitation; neuropsychology; occupational therapy; physical therapy, pain management, psychiatry, neuroradiology imaging center

12330 Metcalf, Overland Park, KS 66213

- Neurology
- Sleep Disorders Center

5844 N.W. Barry Road, Kansas City, MO 64152

- Neurology
- Physical medicine and rehabilitation
- Sleep Disorders Center

20 N. E. Saint Luke's Blvd., Lee's Summit, MO 64086

- Neurology
- Physical medicine and rehabilitation
- Sleep Disorders Center

## Saint Luke's Brain and Stroke Institute

4401 Wornall Road, Kansas City, MO 64111

(816) 932-2002

- Neuroscience unit
- Dedicated Stroke Center
- Rehabilitation unit
- Neurosurgical ICU and operating room of the future
- Medical ICU
- Neurointerventional radiology suites
- Epilepsy monitoring unit
- Novalis shaped beam radiosurgery center
- Sleep Disorders Center

## Midwest Ear Institute

4200 Pennsylvania, Kansas City, MO 64111

(816) 932-1660



**For more information about Saint Luke's Brain and Stroke Institute call NurseLine at (816) 932-6220 or visit [saintlukeshealthsystem.org](http://saintlukeshealthsystem.org)**