

## Conditions We Treat Include:

- Acoustic neuroma
- Aneurysm
- Brain tumors
- Degenerative discs
- Epilepsy
- Guillain-Barre
- Intracranial hemorrhages
- Multiple sclerosis
- Myasthenia gravis
- Neurovascular abnormalities
- Spasticity
- Spinal tumors
- Spine conditions
- Stroke
- Trigeminal neuralgia
- Vertebral fractures

## Advanced Technology:

- Gamma Knife
- LINAC X-Knife
- Bi-Plane 3-D angiography
- Stereotactic navigational OR systems

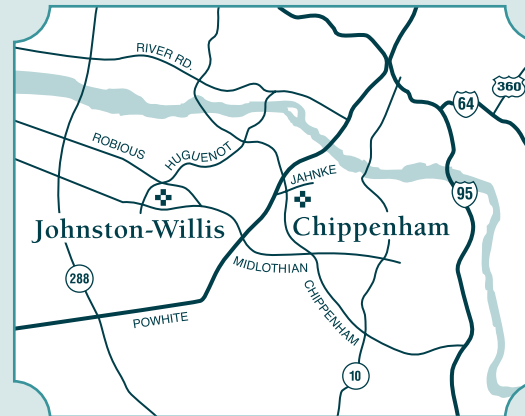
## Neuro Diagnostic Services:

- Acoustic neuroma testing
- CT perfusion imaging
- Carotid ultrasound
- Diagnostic and interventional digital angiography via bi-plane technology
- Digital angiography
- Echocardiogram
- EEG
- EMG
- High-resolution CT angiography
- Intracranial pressure and cerebral blood-flow monitoring
- Magnetic resonance angiography (MRA)
- Magnetic resonance spectroscopy (MRS)
- MRI with diffusion-weighted imaging (DW-MRI) and perfusion array
- PET/CT
- Single-proton emission computed tomography (SPECT)
- Transcranial Doppler (TCD)

## Neuroscience & Gamma Knife Center

CJW Medical Center  
Johnston-Willis Campus  
1401 Johnston-Willis Drive  
Richmond VA 23235  
(804) 330-2000

Physician Referral:  
804-320-DOCS  
cjmmedical.com



**CJW Medical Center**

Chippenham & Johnston-Willis

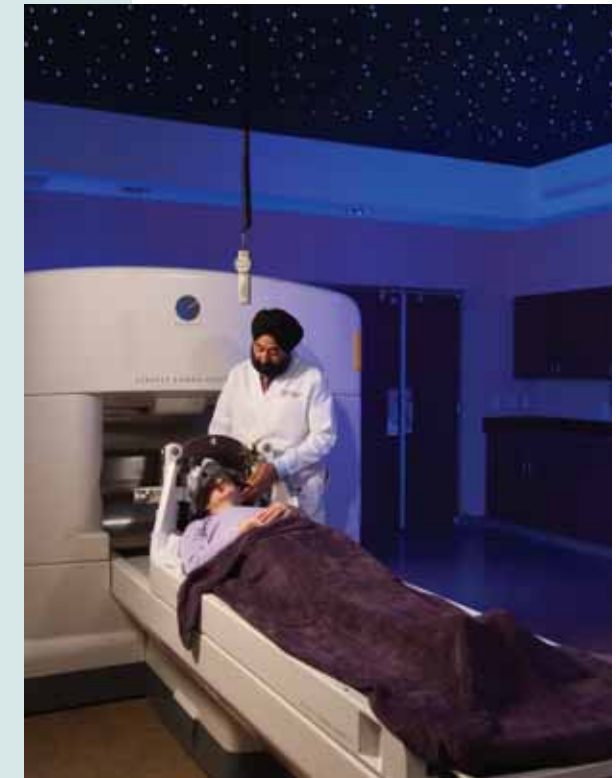
HCA Virginia

CJW is a two-campus medical center. With the resources and expertise of our Chippenham and Johnston-Willis campuses, CJW is able to provide a combination of clinical services, technology, and outcomes that are unsurpassed in the region. There is a difference between hospitals. Choose wisely.

AN HCA RICHMOND HOSPITAL

Inside Richmond's Only

# Neuroscience & Gamma Knife Center



**CJW Medical Center**

Neuroscience & Gamma Knife Center at Johnston-Willis

HCA Virginia

# A Comprehensive, World-Class Neuroscience Center. Right Here in Richmond.

At CJW, we treat more neuroscience patients than any other community hospital in Richmond. More than 30 affiliated physicians — neurologists, neurosurgeons, interventional neuroradiologists and radiation oncologists — work together to treat a multitude of neurological disorders. We are also one of the few facilities on the East Coast to offer intracranial stereotactic radiosurgery, an advanced procedure used to treat inoperable brain tumors. In fact, we offer more neuroscience services than any other community hospital in the area.

Since our neuroscience center first opened in 1997, it has grown to include two dedicated neuro operating suites, a neuro care unit, a neuro ICU, and Richmond's first Gamma Knife® suite. Our neuroscience stepdown area now offers special suites for the comfort of our patients' out-of-town family members.

## CJW's Neurovascular Center

At CJW, we offer a full spectrum of neurovascular services for minimally invasive treatments of vascular and non-vascular diseases. A team of neurosurgeons, vascular surgeons, cerebrovascular neurologists, interventional neuroradiologists, physiatrists, and rehabilitation specialists work together to ensure each patient receives the most appropriate treatment. Many of our patients have conditions that can be effectively treated with lower risk, minimally invasive procedures, which often result in better patient outcomes and quicker recovery times.

CJW has the only 3-D digital bi-plane angiography unit in the area. Using this new technology, our neuro interventionalists can view faster, better quality images with the detail they need to effectively diagnose or treat a condition. Patient treatment and recovery is much quicker, also. Some of the conditions we may treat with this advanced technology include aneurysms, stroke, vasospasms, arterio-venous malformations (AVMs), brain tumors and spinal conditions.

## Richmond's Only Gamma Knife



Introducing brain surgery without the scalpel. The Gamma Knife® uses the precision of 201 gamma beams (instead of a knife) to treat inoperable brain tumors and other neurological disorders on an outpatient basis. That means less pain, a faster recovery, and fewer complications.



CJW's Neuroscience & Gamma Knife suite has been designed with patient comfort in mind. Recovery rooms are spacious and homelike with plenty of room for family members. A twinkling ceiling of "stars" in our Gamma Knife suite provides patients with a soothing atmosphere during their procedure. We offer Gamma Knife

treatment for the following:

- Metastatic brain disease
- Benign brain tumors
- Meningiomas
- Trigeminal Neuralgia (Tic)
- Vascular malformations (AVMs)



Research is also being done in areas such as Parkinson's disease, epilepsy, chronic pain and glaucoma.

## Richmond's First Certified Primary Stroke Center

When you're having a stroke, getting to a hospital that is ready to act fast is vital. Because every delay can cost you brain cells. Getting treatment immediately, within the first three hours of the onset of symptoms, could make the difference between recovery and permanent brain damage or death. At CJW, both of our Emergency Centers — Chippenham and Johnston-Willis — are poised and ready to call a special "Code Neuro" when a stroke patient arrives, speeding up diagnosis and treatment, improving the chance for a full recovery. This prompt, expert stroke care is one reason CJW has been named Richmond's first certified Primary Stroke Center by the Joint Commission

on the Accreditation of Healthcare Organizations.

Our stroke treatment options include:

- Neurovascular procedures
- Carotid endarterectomy or stenting
- Neurosurgery
- Medical management with drugs
- Physical, occupational and speech therapy
- Clinical trials of new stroke therapies
- Carotid endarterectomy
- Interventional neuroradiologic techniques including angioplasty and stent placement
- Microvascular neurosurgery
- Comprehensive rehabilitation services

## Stroke Peer Visitors Program

In partnership with the Richmond Chapter of Mended Hearts and the American Stroke Association, a division of the American Heart Association, CJW Medical Center now offers the Stroke Connection Peer Visitor Program, in which former stroke patients bring encouragement and hope to stroke patients and their families.

## Reduce Your Risk of Stroke

- Know your blood pressure
- Find out if you have atrial fibrillation
- If you smoke, stop
- If you drink alcohol, do so in moderation
- Find out if you have high cholesterol
- If you are diabetic, follow your doctor's instructions
- Include exercise in the activities you enjoy each day
- Lower the sodium (salt) and fat in your diet
- Find out if you have any circulation problems

## Know the Warning Signs of Stroke

- Sudden numbness or weakness in face, arm, or leg, especially on one side of the body
- Sudden confusion, trouble speaking, or trouble understanding speech
- Sudden trouble seeing in one or both eyes
- Sudden trouble walking, dizziness, loss of balance or loss of coordination
- Sudden severe headache with no known cause



Primary Stroke Center  
Certification by the  
Joint Commission  
on Accreditation of  
Healthcare Organizations