

# Deep Brain Stimulation Treatment at Rush

With decades of experience, the team of neurologists and neurosurgeons at Rush are skilled practitioners of deep brain stimulation (DBS), a treatment modality that helps patients with movement disorders control their symptoms of tremor, rigidity, stiffness, slowed or abnormal movements and walking problems.

We perform a physical, neurological and neuropsychological evaluation to determine if DBS is the best therapeutic option for our patients, especially when medication fails to control their symptoms. Once it's determined that DBS is the appropriate treatment, we implant small electrodes in the deep structures of the brain, which produce electrical impulses that help regulate abnormal ones. The electrodes are connected to a pacemaker-like power source that is implanted subdermally.

Our depth and breadth of experience in movement disorder neurology and functional neurosurgery enables us to excel in the identification of patients for DBS, accurate DBS lead placement, and expert programming of the device.

## Why refer your patients here?

**Nationally recognized care:** The neurology and neurosurgery programs at Rush are ranked No. 4 in the nation and best in the Midwest by *U.S. News & World Report*.

**Decades of experience:** The movement disorders neurology group at Rush is one of the largest and most experienced groups in the world, with clinicians who specialize in managing the symptoms of Parkinson's and other movement disorders.

**Market leader:** Rush treats the largest number of DBS patients in the Midwest.

**Cutting-edge care:** Rush is the first center in Illinois, and one of the first in the country, to offer patients remote DBS programming. This gives our providers the ability to program and reset DBS devices remotely, greatly reducing the number of trips patients have to make into the clinician's office.

**Specialized care:** Although DBS surgeries are typically performed awake, Rush is the only center in the Chicago area to offer asleep DBS, where the patient receives DBS surgery under anesthesia, ensuring greater patient comfort.

## Conditions we treat

- Dystonia
- Epilepsy
- Essential tremor
- Obsessive compulsive disorder
- Parkinson's disease
- Tourette's syndrome



**Best in Illinois  
No. 4 in the country**

## Meet our team

### Mitra Afshari, MD, MPH

Neurology  
Board certifications: Neurology

### Sharlet Anderson, PhD

Clinical Neuropsychology, Clinical Psychology

### Bryan Bernard, PhD

Clinical Neuropsychology, Clinical Psychology  
Board certifications: Clinical Neuropsychology

### Christa Cooper, PA-C

### Chandler E. Gill, MD

Neurology  
Board certifications: Neurology

### Jessica Karl, PhD, PA-C

### Neepta Patel, MD

Neurology  
Board certifications: Neurology

### Sepehr B. Sani, MD

Neurological Surgery  
Board certifications: Neurological Surgery

### Jay Shils, PhD, D. ABNM, FASNM

Neurophysiology

### Matthew J. Wodziak, MD

Neurology  
Board certifications: Neurology

## Locations

### Rush University Medical Center

1725 W. Harrison St.  
Suite 755  
Chicago, IL 60612

### Rush Oak Brook

2011 York Road  
Oak Brook, IL 60523

### Rush Oak Park Hospital

610 S. Maple Ave.  
Suite 5500  
Oak Park, IL 60304

### Rush Copley Medical Center

2040 Ogden Ave.  
Suite 303  
Aurora, IL 60504

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For general inquiries regarding DBS Care at Rush, call **(312) 563-2030**.

Website: [rush.edu/treatments/deep-brain-stimulation](https://rush.edu/treatments/deep-brain-stimulation).



Excellence is just the beginning.