



LIFEBRIDGE HEALTH BRAIN & SPINE INSTITUTE

*The LifeBridge Health
Brain & Spine Institute
provides comprehensive integrated
inpatient and outpatient care
dedicated to improving outcomes
in patients with diseases
of the nervous system and spine.*

*The institute's specialists,
who work in multidisciplinary teams,
include those with expertise
in neurology, neurosurgery,
physical medicine and rehabilitation,
orthopedics, otolaryngology (ear, nose
and throat), emergency medicine,
pain management, sleep disorders,
neuropsychiatry, Parkinson disease,
neuro-oncology, neuro-urology,
radiation oncology, and
neuro-ophthalmology. Our experts
successfully treat most brain and spine
conditions including Alzheimer's
disease, brain tumors, trauma, stroke,
epilepsy, headaches, dizziness, back
pain, movement disorders, scoliosis,
spinal injury and spasticity.*

*The LifeBridge Health Brain & Spine
Institute encompasses Sinai Hospital
and Northwest Hospital Center,
each of which has dedicated programs.*

Alzheimer's Sleep Parkinson's Migraine Stroke Spine Pain Rehabilitation Trauma
Dizziness Memory Loss Epilepsy Neurology Brain Cerebral Palsy Coma Aneurysm
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For information about movement
disorders or to schedule an appointment,
call 1-888-747-8899.

For more information about the services
available at the LifeBridge Health Brain &
Spine Institute, call 1-888-747-8899 or visit
our Web site at www.lifebridgehealth.org.



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The term “movement disorder” refers to neurologic conditions that adversely affect the speed and quality of movement. Symptoms of a movement disorder may include tremor, slowness in voluntary movement, stiffness, difficulty walking, twitching and tics. The most common movement disorders in adults include Parkinson disease, essential tremor, Parkinson-plus syndromes, normal pressure hydrocephalus and cerebellar degeneration.

Diagnosis

Specialists at the LifeBridge Health Brain & Spine Institute are expert at diagnosing the cause of movement disorders and crafting treatment plans. Neurologists, neurosurgeons, neurophysiologists and neuropsychologists work together to reach an accurate clinical diagnosis before treatment options are considered. Each patient’s medical status is evaluated before a recommendation is made. This includes a patient evaluation and review of medical history as well as an analysis of previous diagnostic tests.

Individuals with any of the following movement disorders are candidates for treatment at the LifeBridge Health Brain & Spine Institute:

- Parkinson disease
- Parkinson-plus syndromes
- Normal pressure hydrocephalus
- Essential tremor
- Ataxia
- Chorea
- Dystonia
- Restless legs syndrome
- Tardive dyskinesia

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Treatment

Physicians and surgeons at the Brain & Spine Institute help provide relief for patients who experience the tremor, rigidity and slowness that are commonly associated with many different types of movement disorders. These medical experts will recommend the best approach for each patient to help alleviate debilitating symptoms. For many, medication can help control symptoms to improve mobility and independence. For some, surgical procedures can be helpful in restoring function.

Medical and surgical care is augmented by physical and speech therapy and exercise regimens to manage symptoms affecting gait, balance, speech and movement. As a key component of the Brain & Spine Institute, the Sinai Rehabilitation Center offers these comprehensive rehabilitation services.

Deep Brain Stimulation

Specialists at the LifeBridge Health Brain & Spine Institute recently added deep brain stimulation (DBS) to their array of treatment options for patients with advanced movement disorders.

Using technology similar to implantable cardiac pacemakers, deep brain stimulation delivers carefully controlled electrical stimulation to precisely targeted areas. The electrical charge interrupts or overrides the brain’s faulty signals and, coupled with medication, reduces the rigidity, tremors, slow movement and other symptoms of Parkinson disease. This technology can also eliminate tremor in severe cases of Parkinson disease and essential tremor.

For more information about movement disorders and deep brain stimulation, or to schedule an appointment with one of the specialists at the LifeBridge Health Brain & Spine Institute, call 1-888-747-8899.