

Highly Specialized Surgery

The Parkinson's and Movement Disorders Program is one of the few programs in the area to offer deep brain stimulation (DBS) surgery. Our surgical team performs more than 100 procedures each year and has the lowest complication rates in the region.

Using a device like a heart pacemaker but for the brain, this highly specialized surgery involves surgically implanting one or more electrodes in the brain.

The electrodes are connected to a battery-operated device called a neurostimulator, which is implanted in the patient's upper chest. When implanted and programmed, the neurostimulator delivers small amounts of electricity to the brain to help block abnormal brain activity that may be causing symptoms.



Learn more at froedtert.com/movement.

Call **1-800-DOCTORS** to schedule an appointment or a second opinion. You may ask your physician for a referral to the Parkinson's and Movement Disorders Program.



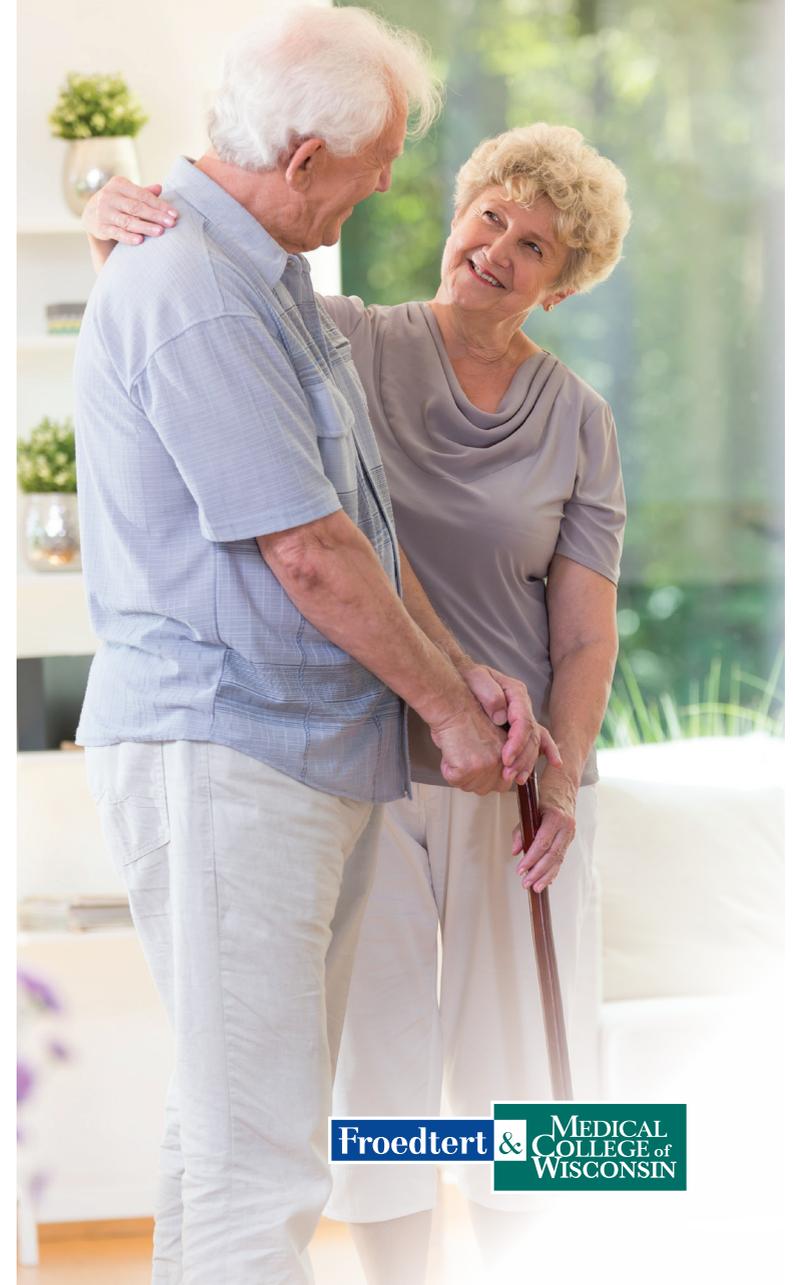
1-800-DOCTORS

froedtert.com/movement

Froedtert Health complies with applicable federal civil rights laws and does not discriminate on the basis of race, color, national origin, age, disability or sex. **Attention:** If you speak another language, assistance services, free of charge, are available to you. Call: 414-805-3000 (TTY: 1-800-947-3529) • **Español (Spanish):** ATENCIÓN: si habla español, tiene a su disposición servicios gratuitos de asistencia lingüística. Llame al: 414-805-3000 (TTY: 1-800-947-3529) • **Hmoob (Hmong):** LUS CEEV: Yog tias koj hais lus Hmoob, cov kev pab txog lus, muaj kev pab dawb rau koj. Hu rau: 414-805-3000 (TTY: 1-800-947-3529).

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Parkinson's and Movement Disorders *Program*



The Parkinson's and Movement Disorders Program is part of the Froedtert & the Medical College of Wisconsin Neurosciences Center. Our program is one of the longest-standing and most comprehensive in the area.

What Are Movement Disorders?

Movement disorders are neurological conditions — disorders of the brain and other parts of the nervous system. The cause is often unknown. These conditions affect a person's ability to control the way one's body moves. Symptoms vary from person to person and day to day. An estimated 40 million Americans cope with physical symptoms, emotional issues, social stigmas and other concerns related to these disorders.

Specialized and Comprehensive Expertise

Movement disorders affect all aspects of life, including physical and emotional health, work and leisure activities and family life. Our team is the leading resource in the region, offering complete evaluation and treatment of these complex neurological conditions.

- With advanced training in Parkinson's and movement disorders, our neurologists identify causes and recommend the most effective treatments.
- Our program is the first in the area to offer deep brain stimulation (DBS) surgery. Highly effective in patients who meet the qualifications, DBS is a surgery that provides patients with relief from many Parkinson's symptoms through electrical stimulation. The procedure is also used to treat essential tremor.
- We are the first in the state to use FDA-approved Duopa™, an intestinal gel/infusion, for the treatment of motor fluctuations associated with Parkinson's disease.
- Our team of specialists, with expertise in the areas of neurology, neurosurgery, neuropsychology, physical and rehabilitation medicine, speech-language pathology, psychology, occupational therapy, physical therapy, dietetics, social work, nursing and genetic counseling, provides individualized, coordinated care.

- Patients and their families are actively involved in treatment planning.
- As eastern Wisconsin's only academic medical center, our research helps find better ways to treat movement disorders.

Comprehensive Assessment – The First Step

Movement disorders have varying causes and unique symptoms for each person. A thorough assessment is needed to determine an accurate diagnosis prior to starting treatment.

During your first visit, a neurologist specializing in movement disorders will conduct a thorough evaluation and neurological examination. The neurologist will review your health history, medical records, previous diagnostic imaging and test results.

If needed, additional tests or imaging may be requested, taking advantage of the latest diagnostic tools available within the Froedtert & MCW health network. This may include the use of DaTscan™, an FDA-approved imaging aid that helps physicians determine if a movement disorder is Parkinson's disease or another disorder. Referrals to various therapies or, in some cases, neuropsychological testing may also be ordered.

Charting a Course for Treatment

After all necessary information has been gathered and reviewed, the neurologist will discuss the next steps.

Because education is an important part of successful care, team members devote time to helping patients and their families understand the diagnosis, what to expect regarding particular movement disorders and treatment options to consider for the best results.

Support

Our team helps patients navigate treatment and learn strategies for living successfully with a movement disorder. We can help families locate services and community resources to improve the quality of their lives.

Treatment Options

Adjusting and adapting to a movement disorder is an ongoing process. Our program offers a range of treatment tailored to meet each person's needs.



Medication Treatments

To relieve the symptoms of movement disorders, the Parkinson's and movement disorders team prescribes the latest, most-effective medications:

- Oral medications
- Botulinium: Treats muscle stiffness/spasms
- Duopa™, an intestinal gel/infusion: Treats motor fluctuations with a continuous delivery to avoid peaks and troughs
- Clinical trials may be available (participation is voluntary)

Nonmedication Treatments

- Exercise
- Nutritional support
- Physical therapy, including the Lee Silverman Voice Treatment BIG Program®
- Occupational therapy, including driver evaluations
- Speech-language pathology, which assesses swallowing abilities, voice and speech and cognitive-communication skills through the Lee Silverman Voice Treatment Program® (LSVT LOUD), the Expiratory Muscle Strength Training Program (EMST), and individualized cognitive retraining programs
- Neuropsychology, which assesses problems with thinking and memory, identifies ways to help patients relearn skills and finds strategies for decreased cognitive abilities
- Wellness support (such as the six-week Living Well with Chronic Conditions course and the seven-week Stepping On program for fall prevention)

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