

PACIFIC MOVEMENT DISORDERS CENTER AT PACIFIC NEUROSCIENCE INSTITUTE

Our experts in neurology and restorative neurosurgery provide comprehensive diagnostic and treatment options for all types of movement disorders including Parkinson's disease, essential tremor and dystonia, with leading-edge treatments including botulinum toxin (Botox®) injection and Deep Brain Stimulation (DBS).

PATIENT-CENTERED FOCUS: Each patient receives a personalized medication treatment plan with a holistic approach in which all of the patient's symptoms are considered.

MULTIDISCIPLINARY APPROACH: In coordination with physical, occupational, and speech therapists, we provide the highest level of care to meet the specific needs of each patient.

TECHNOLOGY: State-of-the-art operating suite and leading-edge treatment options dedicated to neurosciences.

CONSISTENT QUALITY CARE: Our physicians practice at the Pacific Neuroscience Institute located at award-winning hospitals Providence Saint John's Health Center in Santa Monica and Providence Little Company of Mary Medical Center in Torrance.

PHYSICIAN EDUCATION: Regular symposia in movement disorders management and restorative neurosurgical techniques.

DIAGNOSTICS & TREATMENT

For all patients with movement disorders, an accurate diagnosis is key. We provide a personalized clinical evaluation by a movement disorders specialist, along with diagnostic tests such as blood work, MRI, and DaTscan, which accurately distinguishes between Parkinson's tremor and other causes of tremor. Our tailored holistic treatment plan includes movement therapy, balance training, careful use of medications, and deep brain stimulation.

In addition, we provide SYN one testing for the assessment of phos-alpha-synuclein in the dermal nerves. This is a minimally invasive way to evaluate for synucleinopathies such as Parkinson's disease, dementia with Lewy bodies, multiple system atrophy, pure autonomic failure, and REM sleep behavior disorder.



Saint John's Health Center

DISORDERS WE TREAT

- Parkinson's disease
- Essential Tremor
- Dystonia
- Hemifacial spasm
- Atypical Parkinsonism
- Gait disorders and ataxia
- Blepharospasm
- Spasticity
- Myoclonus
- Tics and Tourette's syndrome

INTERNATIONAL PATIENTS

For patients living outside the USA, our physicians can provide a prompt review of imaging and other tests. We can suggest a recommendation about the optimal treatment options with no charge for such initial evaluations and preliminary reviews.

For an appointment or second opinion:

- 310-582-7433 / Santa Monica
- **424-212-5361** / Torrance
- PacificMovement.org

Here Providence Little Company of Mary



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DEEP BRAIN STIMULATION (DBS)

We offer three types of DBS implants — Medtronic, Abbott (St. Jude), and Boston Scientific, expanding options for our patients. The primary conditions treated with DBS include Parkinson's disease, essential tremor (ET) and dystonia. In Parkinson's disease, one of the main advantages of DBS is that it provides constant therapy throughout the day, whereas medication response can fluctuate dramatically over the same time duration. Patients are able to sustain longer periods of symptom-free activity. DBS improves the main symptoms of Parkinson's disease including tremor, rigidity, and slowness. It reduces dyskinesia (abnormal involuntary movement) and has been shown to improve quality of life, especially when performed earlier in the course of the disease. In essential tremor and dystonia, DBS can have a transformative effect on guality of life due to the high rate of symptom control. The vast majority of patients experience a significant improvement in their tremor, allowing them to resume regular daily activities.

FRAMELESS TECHNOLOGY

We offer a customized, precise frameless approach to performing DBS surgery. The system employs a custom-made mini frame that provides the patient with more freedom of movement during surgery than traditional methods. This improves patient comfort and reduces the time required for surgery, therefore optimizing recovery without compromising precision.



MELITA PETROSSIAN, MD DIRECTOR, PACIFIC MOVEMENT DISORDERS CENTER

Dr. Petrossian's expertise is in the comprehensive care, treatment, and management of patients with movement disorders including Parkinson's disease, essential tremor, dystonia, gait disorders, ataxia, myoclonus, tics and Tourette's syndrome. In addition, she uses leading-edge therapies such as botulinum toxin (Botox[®]) injection for spasticity, blepharospasm, hemifacial spasm, and dystonia; and DBS programming for PD, essential tremor, and dystonia. pacificneuro.org/petrossian



NATALIE DIAZ, MD MOVEMENT DISORDERS NEUROLOGIST

Dr. Diaz is a board certified neurologist and fellowship trained specialist in movement disorders. Her clinical practice focuses on the evaluation and management of patients with Parkinson's disease, atypical parkinsonian disorders, Huntington's disease, dystonia, and ataxia. She also has specialized training in the evaluation and programming of deep brain stimulation as a treatment for Parkinson's disease, essential tremor and dystonia as well as the therapeutic administration of botulinum toxin injections for non-cosmetic indications such as focal dystonia, hemifacial spasm and limb spasticity. pacificneuro.org/diaz



DBS FOR OTHER CONDITIONS

In collaboration with other institutions, we conduct clinical trials using deep brain stimulation in other areas of need such as post-traumatic stress disorder (PTSD). In addition, DBS is approved for use in epilepsy as adjunctive treatment for reducing the frequency of partial-onset seizures in patients who are drug-resistant, to three or more antiepileptic medications.

JEAN-PHILIPPE LANGEVIN, MD

DIRECTOR, RESTORATIVE NEUROSURGERY Dr. Langevin leads the Restorative Neurosurgery and Deep Brain Stimulation Program at Pacific Movement Disorders Center. A multiple Superdoctors award recipient, he specializes in the compassionate care and surgical treatment of Parkinson's disease, essential tremor, and dystonia. He employs a variety of treatment modalities including frameless deep brain stimulation. pacificneuro.org/langevin

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