

Deep Brain Stimulation (DBS)

A Personalized Approach to Managing Tremors & Movement Disorders

At the MemorialCare Neuroscience Institute at Orange Coast Medical Center, our Movement Disorders Program brings together expert neurologists, advanced neurosurgeons, and supportive therapies, all in one place.

If you're living with essential tremor, Parkinson's disease, or dystonia and haven't found relief with medications or treatments, Deep Brain Stimulation (DBS) may be right for you. Our team offers one of Southern California's most advanced programs for diagnosing and treating movement disorders.

What Is DBS?

DBS is a safe, proven, and adjustable therapy that has helped thousands regain control over their movements and live fuller, more active lives.

The treatment involves implanting very thin wires in the affected area of the brain. These wires receive electrical impulses from a small device placed in the chest, similar to a heart pacemaker. These impulses gently stimulate specific areas of the brain to help manage symptoms such as:

- Tremor
- Stiffness
- Slowness of movement
- Involuntary muscle contractions

The stimulation is fully customizable by your neurologist and can be adjusted over time to meet your unique needs.

Is DBS Right for You?

DBS may be a good fit if you:

- Continue to experience symptoms despite taking medication
- Struggle with side effects from your current medication
- Are not a treatment candidate for MR-Guided Focused Ultrasound (MRgFUS)
- Do not have significant memory or cognitive challenges

Expertise in Neurosurgery



**Devin K. Binder,
M.D., Ph.D.**

Neurosurgeon, Medical Director,
MemorialCare Neuroscience
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Medical Center

Devin K. Binder, M.D., Ph.D., is a board-certified, fellowship-trained neurosurgeon with extensive experience treating movement disorders. He leads the neurosurgical team for the Movement Disorders Program at MemorialCare Orange Coast Medical Center.

Since launching the Deep Brain Stimulation (DBS) program in 2011 with Dr. Daniel Truong, Dr. Binder has performed more than 500 DBS procedures — helping patients with Parkinson's disease, essential tremor, and dystonia find relief when other treatments haven't worked.

We'll help guide you every step, from evaluations and imaging to recovery and fine-tuning your results.



For more information, call (714) 378-5022
or visit memorialcare.org/DBS