

Medtronic

Engineering the extraordinary

Medtronic DBS makes sense

Deep Brain Stimulation (DBS) Therapy

Personalized care
Smart technology
Enhanced comfort
Trusted outcomes

That's Medtronic DBS.



Medtronic Deep Brain Stimulation (DBS)

There is a reason Medtronic has the most implanted DBS systems in the world.[†] As the leaders in DBS therapy, we have been delivering this life-changing therapy for over 25 years with continuous innovations and proven clinical outcomes. Today, we offer a complete product portfolio with the most advanced system with BrainSense™ Technology.[†] With Medtronic as your DBS partner, we are here to support you through your entire DBS journey.

[†]Signal may not be present or measurable in all patients.
Clinical benefits of brain sensing have not been established.

You deserve the most advanced DBS system with sensing technology – from a DBS partner that you can trust.

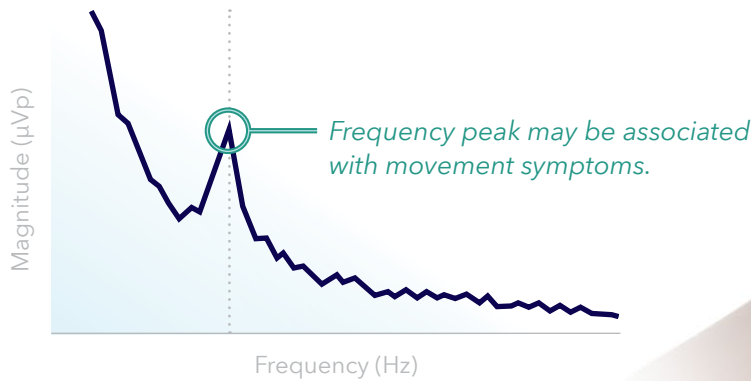
**That's why
Medtronic DBS
just makes sense.**



Medtronic means smart technology

The Medtronic DBS system offers **BrainSense™ Technology**[†] – a smart feature that continuously captures and records your brain signals to help optimize stimulation. This sensing advancement in DBS therapy provides a more complete picture of your day-to-day brain activities to help your clinician better manage your treatment and maximize the time you feel your best.

BrainSense™ Technology
records signals from the brain



BrainSense™ recordings of real-time brain signals allow your clinician to see your brain activities at the exact time you are experiencing symptoms, even when symptoms occur outside of an office visit.

Medtronic means personalized care

Medtronic DBS technology enables personalized care by delivering precise, targeted therapy tailored to your stimulation needs. Medtronic DBS offers the first complete DBS system with the combined benefits of directional stimulation and sensing capabilities. These advancements allow your clinician to deliver patient-specific therapy.

... **SenSight™ Directional Leads**[§] allow for directional stimulation when and where it's needed to help optimize stimulation and minimize side effects.



Multiple programming options enable **customized stimulation shapes** to personalize your therapy.

... **Flexible SenSight™ extensions**



..... **Percept™ PC neurostimulator and SenSight™ Directional Leads**[§] allow for precise, targeted stimulation tailored to your stimulation needs.

Actual size

For illustrative purposes only

[†]Signal may not be present or measurable in all patients.
Clinical benefits of brain sensing have not been established.

[§]Essential tremor indicated for unilateral (single) lead placement

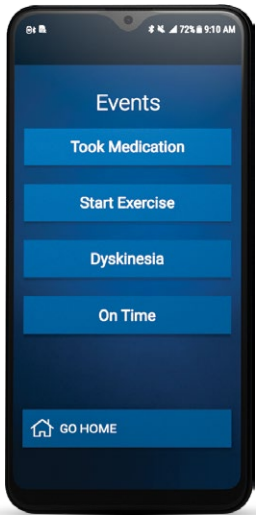
Medtronic means enhanced comfort

The Medtronic DBS system is specifically designed with your comfort and convenience in mind. When choosing DBS therapy, you can have peace of mind that the Medtronic DBS system is flexible, designed for your needs both today and in the future.

The Percept™ PC neurostimulator is:

- small and thin for a less noticeable profile†
- designed to facilitate expanded capabilities with software upgrades
- a worry-free battery with >5 years of battery life‡

Easily and conveniently engage with your therapy anytime with your DBS patient programmer.



Patient programmer

3T & 1.5T MR conditional capabilities:

- Unlike other DBS systems,² the Percept™ PC device provides you with access to advanced 3T MRI scans for high quality imaging.[§]
- Percept™ PC device allows stimulation to be on during the MRI scan.^{§§}

†Percept™ PC is 20% smaller in overall device volume as compared to Activa™ PC and 20% thinner in case thickness as compared to Activa™ PC.

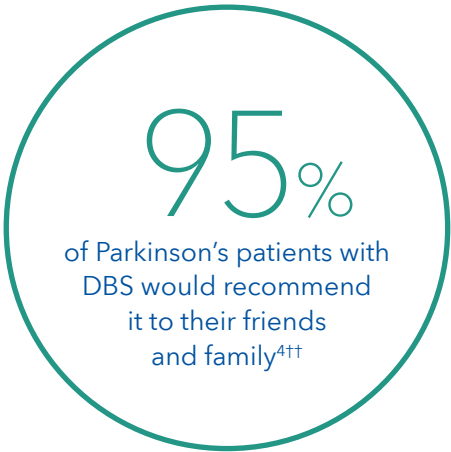
‡For median energy use in DBS for PD patients, with moderate (up to 2 months per year) BrainSense™ technology usage.

§Activa™ devices are 1.5T MR conditional.

§§ Medtronic DBS systems are MR Conditional which means they are safe for MRI scans only under certain conditions. If the conditions are not met, the MRI could cause tissue heating especially at the implanted lead(s) in the brain which may result in serious and permanent injury or death. Before having an MRI, always talk with the doctor who manages your DBS therapy to determine your eligibility and discuss potential benefits and risks of MRI. For further information, please call Medtronic at 800-328-0810.

Medtronic means trusted outcomes

As Medtronic, we strive to be a partner you can trust with DBS outcomes you can trust—supported with continuous product innovation, proven outcomes through clinical research, and patient experience from a nationwide network of DBS Patient Ambassadors.



Activities of daily living improved for patients with Essential Tremor³

DBS Therapy requires brain surgery. Risks may include: surgical complications, infection, failure to deliver therapy as needed and/or worsening of some symptoms. DBS Therapy is not for everyone. Not everyone who receives DBS Therapy will receive the same results. For further information, please call Medtronic at 1-(877) 438-3574 and consult Medtronic's website at medtronic.com/pdsafety. Patients should always discuss the potential risks and benefits of the therapy with a physician. A prescription is required.



Percept™ PC neurostimulator

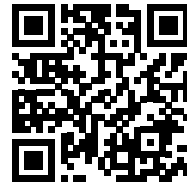
Clinician programmer

Patient programmer

- Activa™ RC, a 15-year Rechargeable System^{††} also available^{ΩΩ}
- Medtronic DBS also offers visual programming with SureTune™ 4 Software

ΩPatients had longer-standing motor complications.
††Based on a phone survey conducted with n=38 DBS patients implanted between 1999-2007 to assess patient satisfaction with DBS therapy.
‡‡ Activa™ RC devices eligible for the service life extension and the supplemental limited warranty are those devices sold in the US that have been successfully interrogated with the Medtronic Activa™ Clinician Programmer prior to reaching End of Service (EOS). For additional information, contact rs.rtgwarranty@medtronic.com
ΩΩBrainSense™ Technology not available with Activa™ RC

Visit medtronic.com/dbs to learn why Medtronic DBS makes sense.



To talk to a Medtronic DBS Patient Ambassador about their personal experience, visit medtronic.com/dbsambassadors or call 800-503-4110 to book your appointment.

References

1. Medtronic data on file, dated 2/7/2023
2. Abbott and Boston Scientific DBS systems are 1.5T MR conditional, and stimulation cannot remain on during a MRI scan. ImageReady™ MRI Guidelines for Boston Scientific Deep Brain Stimulation Systems – 92195369-01, accessed on January 11, 2023. MRI Procedure Information for Abbott Medical MR Conditional Deep Brain Stimulation Systems – ARTEN600090482 A, accessed on January 11, 2023.
3. Medtronic DBS Therapy for Parkinson's Disease and Essential Tremor Clinical Summary. M197935A010 Rev B.
4. Hitti FL, Ramayya AG, McShane BJ, Yang AI, Vaughan KA, Baltuch GH. Long-term outcomes following deep brain stimulation for Parkinson's disease. *J Neurosurg.* 2019 Jan 18:1-6. doi: 10.3171/2018.8.JNS182081

Brief Statement: Medtronic DBS Therapy for Parkinson's Disease and Tremor

Patients should always discuss the potential risks and benefits with a physician.

Medtronic DBS Therapy for Parkinson's Disease: Deep brain stimulation (DBS) helps control the movement symptoms of Parkinson's disease, including tremor, slowed movement, and stiffness. You may be a candidate for this therapy if you have had levodopa-responsive Parkinson's for at least 4 years and at least 4 months of movement symptoms not well controlled by medications or medication side effect such as unintended movements (dyskinesia).

Medtronic DBS Therapy for Tremor: Deep brain stimulation (DBS) delivers electrical stimulation to an area in the brain to help treat essential tremor. Electrical stimulation is only delivered to one side of the body and is used to treat tremor in one arm of the body. You may be a candidate for this therapy if you have essential tremor not adequately controlled by medications and the tremor is disabling. Placing the DBS system requires brain surgery, which can have serious and sometimes fatal complications including bleeding inside the brain, stroke, seizures, and infection. Once implanted, infection may occur, parts may wear through your skin, and the lead and/or extension connector may move. Medtronic DBS Therapy could stop suddenly because of mechanical or electrical problems. Any of these situations may require additional surgery or cause symptoms to return or worsen. Medtronic DBS Therapy may cause new or worsening neurological or psychiatric symptoms. In patients receiving Medtronic DBS Therapy, new onset or worsening depression, suicidal thoughts, suicide attempts, and suicide have been reported. This therapy is not for everyone. Implantation of a DBS system is contraindicated (not allowed) for patients who will be exposed to diathermy (deep heat treatment) or transcranial magnetic stimulation. Magnetic Resonance Imaging (MRI) should only be performed as described in the product labeling. The DBS system may interact with other medical devices and other sources of electromagnetic interference which may result in serious patient injury or death, system damage or changes to the neurostimulator or to stimulation. A prescription is required. Not everyone who receives DBS Therapy will receive the same results.

Rev 02/22

SureTune™ 4 Software

Intended Use: The SureTune™ 4 Software is intended to assist medical professionals in planning programming of deep brain stimulation by visualizing the Volume of Neuronal Activation (VNA) relative to patient anatomy.

Warning: SureTune™ 4 Software does not replace clinical judgment.

Medical professionals must review the product technical manuals prior to use for detailed disclosure including Indications, Safety, and Warnings. For more information, call Medtronic at (1-800)-328-0810 or visit Medtronic's website at medtronic.com/SureTune.

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