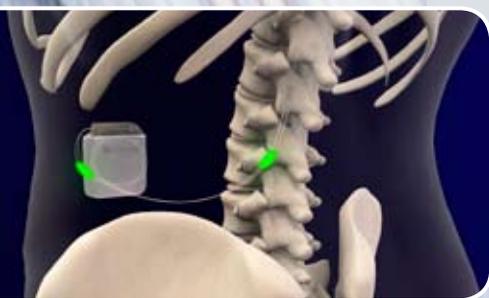


*RECHARGEABLE  
NEUROSTIMULATION  
INTRODUCTION*

Discover Your Options





*THE NEUROSTIMULATOR SENDS MILD ELECTRICAL IMPULSES DIRECTLY TO THE SPINAL AREA BLOCKING PAIN SIGNALS FROM REACHING THE BRAIN.*

Gaining more control. Restoring independence. Medtronic invites you to discover more about your pain relief options.

A neurostimulation system is an alternative when oral pain medications and other therapies do not give you adequate relief from your pain.

Medtronic Pain Therapies.

Relieving Pain. Restoring Life.

“WHEN THEY TURNED THE SYSTEM ON,” SHE SAYS, “I HAD ABSOLUTELY NO PAIN FROM MY HIPS TO MY TOES.” \*

- GRETCHEN

## What is neurostimulation therapy?

Neurostimulation therapy (spinal cord stimulation) may help relieve pain and restore comfort by blocking the pain signals to the brain. This therapy stimulates the area near your spinal cord with mild electrical impulses. Neurostimulation can be an effective alternative when other pain management therapies have not worked for you.

### HOW DOES IT WORK?

The neurostimulator is a small, surgically placed device that generates and delivers mild electrical impulses near your spinal cord area through one or more leads (a flexible insulated wire). The stimulation from these leads replaces pain with a mild, tingling sensation. Based on your pain needs, physicians have the ability to customize the pain relief stimulation for you.

Medtronic neurostimulation systems include a hand-held patient programmer that is used to easily change stimulation levels, similar to a remote control. This programmer allows you to easily adjust settings and to turn your system on or off.

### IS IT RIGHT FOR ME?

Prior to receiving a neurostimulation system, you will have the opportunity to experience the therapy for a short time. After this screening test, you and your doctor will determine whether you are a good candidate for the therapy.

Unlike other surgery, neurostimulation therapy is completely reversible, meaning that at any time your doctor can turn off or completely remove the system.

## Rechargeable Neurostimulation System

Medtronic rechargeable systems are equipped with the most powerful battery technology available. This additional battery power helps people that require stronger stimulation to relieve their pain.

### RESTORE® RECHARGEABLE NEUROSTIMULATION SYSTEM

The Restore system includes the rechargeable surgically placed battery, leads (special medical wires), an external patient programmer and the recharging equipment. This system has special features to make managing your pain easier:

- Rechargeable battery that lasts approximately twice as long as comparable systems (up to 9 years)
- Longer recharge intervals—each charge lasts approximately four to six weeks
- Recharging is convenient because it can be done on the go or overnight

Medtronic's exclusive myStim® Patient Programmer, used with the Restore system:

- Puts you in control of your pain management through its unique program library that can store up to 100 program options
- Allows you to customize your pain coverage for certain movements, activities or for the time of day with multiple stimulation "group" settings
- The myStim Patient Programmer is small, portable and fits in the palm of your hand

With over 30 years of experience, Medtronic knows that people with chronic pain need options to achieve the greatest relief possible. Medtronic offers a variety of neurostimulation systems that can be tailored to relieve different symptoms, including rechargeable and non-rechargeable devices. Your doctor will work with you to select the system that is most appropriate to meet your needs.

If you already have an implanted system, that type of system may still be the best fit. Individual pain-coverage needs may change over time. Medtronic developed the Restore Rechargeable System to provide you with a progressive solution for changing needs.



## Five simple steps to relief

### 1 TALK TO YOUR DOCTOR

You and your physician will determine whether you are a candidate for neurostimulation therapy.

### 2 TAKE A SCREENING TEST

Candidates can explore a Medtronic neurostimulation system with a screening test. During the test, your doctor closely monitors your response to neurostimulation.

### 3 DECIDE ON AN OPTION

Your screening test will provide you and your doctor with the knowledge to make an informed decision about which system may be right for you.

### 4 RECEIVE IMPLANTATION

Stimulator implantation is a minor surgical procedure. Your doctor will program your system to optimize your pain relief, based on your screening test and your condition.

### 5 ADJUST YOUR TREATMENT

Your implanted device can be adjusted as needed over time. Your doctor will help you decide what settings are best for you.

## Learn more about Medtronic Pain Therapies

Move one step closer to achieving your chronic pain relief goals and restoring your independence. Talk to a pain management specialist to learn more about the benefits and risks of neurostimulation therapy.

Medtronic also offers non-rechargeable neurostimulators. More information is available online at [www.TameThePain.com](http://www.TameThePain.com).

Over 70% of physicians polled would choose a Medtronic device for a family member.<sup>1</sup>

"IT WAS AMAZING TO ME HOW QUICKLY MY PAIN DISAPPEARED WHEN I TURNED THE DEVICE [BACK] ON. I WAS ACTIVE DURING THE TEST. MY PAIN HAD HELD ME BACK FROM DOING MANY THINGS AND I LOVED MY NEWFOUND FREEDOM." \*

-TASHA

\*The amount of pain reduction varies from person to person.

< Read about other people with Medtronic neurostimulation systems.

To find a pain management specialist near you who specializes in Medtronic Pain Therapies, visit [www.TameThePain.com](http://www.TameThePain.com) or call Medtronic Patient Services at 1-800-510-6735 (M-F 8 a.m. - 5 p.m. CST).

*Every 5 seconds—somewhere in the world—another person's life is improved by a Medtronic product.*

At Medtronic, with over 30 years of collaboratively working with physicians and patients in neurostimulation and drug delivery technologies and more than 250,000 patients implanted—we set the standard for quality, safety, and reliability in pain management technologies.

Advancing the field of pain management is a primary focus for Medtronic. Through clinical studies and extensive research efforts, we continue to explore new solutions. In turn, we provide the most knowledgeable education and support network in the industry. With the most comprehensive resources available, Medtronic's dedicated teams work closely with each physician and their staff.

For more information, please call Medtronic toll-free at 1-800-510-6735 or consult Medtronic's web site at [www.medtronic.com](http://www.medtronic.com).

[www.TameThePain.com](http://www.TameThePain.com)

Important safety information is located on the back of this brochure.

## References

1. Data collected from 168 anesthesiologists, neurosurgeons, and pain management specialists in December, 2005 through a blind survey conducted by Market Tools, Inc.

## Important Safety Information

### NEUROSTIMULATION SYSTEMS FOR PAIN THERAPY

**Brief Summary:** Product manuals must be reviewed prior to use for detailed disclosure. **Indications:** Implantable neurostimulation systems - A Medtronic implantable neurostimulation system is indicated for spinal cord stimulation (SCS) system as an aid in the management of chronic, intractable pain of the trunk and/or limbs—including unilateral or bilateral pain associated with the following conditions: Failed Back Syndrome (FBS) or low back syndrome or failed back, Radicular pain syndrome or radiculopathies resulting in pain secondary to FBS or herniated disk, Postlaminectomy pain, Multiple back operations, Unsuccessful disk surgery, Degenerative Disk Disease (DDD)/herniated disk pain refractory to conservative and surgical interventions, Peripheral causalgia, Epidural fibrosis, Arachnoiditis or lumbar adhesive arachnoiditis, Complex Regional Pain Syndrome (CRPS), Reflex Sympathetic Dystrophy (RSD), or causalgia. **Contraindications:** Diathermy—Do not use shortwave diathermy, microwave or therapeutic ultrasound diathermy (all now referred to as diathermy) on patients implanted with a neurostimulation system. Energy from diathermy can be transferred through the implanted system and cause tissue damage at the locations of the implanted electrodes, resulting in severe injury or death. **Warnings:** Sources of strong electromagnetic interference (eg, defibrillation, diathermy, electrocautery, MRI, RF ablation, and therapeutic ultrasound) can interact with the neurostimulation system, resulting in serious patient injury or death. These and other sources of EMI can also result in system damage, operational changes to the neurostimulator or unexpected changes in stimulation. Rupture or piercing of the neurostimulator can result in severe burns. An implanted cardiac device (eg, pacemaker, defibrillator) may damage a neurostimulator, and the electrical pulses from the neurostimulator may result in an inappropriate response of the cardiac device. **Precautions:** The safety and effectiveness of this therapy has not been established for pediatric use (patients under the age of 18), pregnancy, unborn fetus, or delivery. Patients should be detoxified from narcotics prior to lead placement. Clinicians and patients should follow programming guidelines and precautions provided in product manuals. Patients should avoid activities that may put undue stress on the implanted neurostimulation system components. Patients should not scuba dive below 10 meters of water or enter hyperbaric chambers above 2.0 atmosphere absolute (ATA). Electromagnetic interference, postural changes, and other activities may cause shocking or jolting. **Adverse Events:** Adverse events may include: undesirable change in stimulation described by some patients as uncomfortable, jolting or shocking; hematoma, epidural hemorrhage, paralysis, seroma, CSF leakage, infection, erosion, allergic response, hardware malfunction or migration, pain at implant site, loss of pain relief, chest wall stimulation, and surgical risks. For further information, please call Medtronic at 1-800-328-0810 and/or consult Medtronic's website at [www.medtronic.com](http://www.medtronic.com). Rx Only. 12/7/04. UC199501096bEN

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*Alleviating Pain · Restoring Health · Extending Life*