Effective chronic pain relief may be possible with spinal cord stimulation.

Start here.
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RESOURCES

TALK TO A PATIENT AMBASSADOR
medtronic.com/painambassador

ASK A NURSE
medtronic.com/nurse

FIND A DOCTOR
medtronic.com/finder

CALL MEDTRONIC PATIENT SERVICES: 1-800-510-6735
Monday–Friday, 8:00 a.m.–5:00 p.m. Central time

Every patient experience is unique. Not everyone who receives Medtronic neurostimulation therapy will experience the same results.

If you’re experiencing chronic pain and aren’t satisfied with oral pain medication, injections, or current pain treatment, it’s time to look into something different. Our goal is to help you get pain relief and improve your quality of life.

And get back to being you.

“[t]he Intellis™ neurostimulator] gave me that second chance at life.”

Sonia
SCS patient

HEAR FROM OTHER PATIENTS
medtronic.com/patientstories

DISCOVER MORE AT
medtronic.com/info
OVERVIEW OF SPINAL CORD STIMULATION (SCS)

Spinal cord stimulation (SCS) disrupts the pain signals traveling between the spinal cord and the brain.

The potential benefits of spinal cord stimulation

- Proven long-term therapy for managing chronic pain\textsuperscript{1,2}
- Improved ability to function day to day\textsuperscript{3}
- More effective than repeat surgeries for pain\textsuperscript{4}
- Multiple studies have provided clinical evidence to suggest some patients treated with spinal cord stimulation (SCS) may be able to reduce oral opioid consumption\textsuperscript{5-6,14}

Understand the risks

- Risks include infection, lead movement, pain at the implant site, and loss of therapy effect, and the therapy may not meet patient’s expectations.
- Review the Neurostimulation Systems for Pain Therapy Brief Summary at back of this brochure for additional risk and safety information.

HOW SCS WORKS

Stimulation is delivered by a neurostimulator, a device similar to a pacemaker, implanted under the skin.

The impulses travel from the device to the spine over thin insulated wires called leads. The leads deliver mild electrical impulses to an area near your spine.
Wireless trial system lets you discreetly try SCS

World’s smallest implantable SCS neurostimulator — designed for comfort

Fast, convenient recharging — about 1 hour empty to full

Most access to MRI,* anywhere on your body

AdaptiveStim™ technology automatically adjusts the therapy as your body moves**

*Under specific conditions. Refer to product labeling for full list of conditions.
** AdaptiveStim™ Technology is a feature only available on the Intellis™ model 97715.

Medtronic is the only company that can provide you with all these important features.

CHOOSE THE SYSTEM THAT’S RIGHT FOR YOU

There are a number of choices, when deciding what SCS system is right for you. You’ll want to select the SCS system that has the features that benefit you most.

HIGH THERAPY SATISFACTION. HIGH RECOMMENDATION RATE.

Multiple clinical studies have shown the long-term effectiveness of Spinal Cord Stimulation for chronic pain. Medtronic SCS therapy using the Intellis™ system may give you both pain relief and improvement in function. In fact, patients in the Vectors Study† using the Intellis™ system reported the following results*:†

70% achieved a personal activity goal by three months after implant

92% would recommend SCS therapy to others at three months after implant

85% reported satisfaction with SCS therapy at 12 months

79% experienced a clinically significant reduction in overall, back and/or leg pain at 12 months

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† Vectors was a study of SCS with a defined clinical protocol. Outcomes of 98 patients were evaluated at 3 months after implant, 96 at six months and 91 at 12 months with a Medtronic Intellis™ system. Patient experience may vary from clinical study results.

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1. The doctor will place the temporary leads (thin, flexible wires) in the area near your spine, using a small insertion device. Local anesthetic numbs the area.

2. As stimulation is applied during the trial procedure, your doctor will ask you how you feel, to determine the location for the leads.

3. The leads are connected to an external wireless neurostimulator, which will be secured to your back during the trial.

4. In the recovery room, the therapy programmer will help you find a programmed setting to determine if the therapy works for you.

These steps may vary depending on your doctor.

In the Vectors study, 90% of patients experienced a successful screening trial (at least 50% reduction in pain)²⁰

The Intellis™ spinal cord stimulation trial helps you experience how well the neurostimulator may relieve your pain during different daily activities. It lets you try the therapy, for up to 10 days, by using an external stimulator that mimics the actual treatment.

NOTHING PERMANENT. NO COMMITMENT.

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TRY SCS FIRST — TRIAL PROCEDURE

The trial procedure takes about 30 to 90 minutes and is usually done in a doctor’s office or day surgery center.

Discuss with your doctor if an SCS trial may be appropriate for you.

Mild electrical pulses from the external neurostimulator travel through the temporary leads to the area near your spinal cord.

THE INTELLIS TRIAL SYSTEM — DISCREET AND WIRELESS

The wireless, handheld therapy programmer lets you adjust the stimulation during the trial. This lets you feel the different levels of stimulation the system can provide.

The permanent implant has AdaptiveStim™ technology, which will allow you to have hands-free therapy that automatically adjusts your therapy based on your body’s position.*

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Discuss with your doctor if an SCS trial may be appropriate for you.
Talk with a pain patient ambassador

Patient ambassadors are patients who live with spinal cord stimulation and volunteer to answer questions, such as:

- What was the procedure like?
- How did you know spinal cord stimulation was the right option for you?
- How has your life been impacted?

Patient Ambassadors are not medical experts or employees.

Ask a nurse

You may also choose to speak with a registered nurse who is experienced in Medtronic spinal cord stimulation therapy. The nurse has helped other prospective patients get answers on what to expect before, during, and after receiving spinal cord stimulation. Unlike the Pain Ambassadors who are volunteers, our registered nurses are paid consultants of Medtronic.
“Having the neurostimulator has changed my life tremendously ... it’s given me back the activity in my life. I love yoga. It’s something that became a part of me. It was something that I did for myself, and I have not been able to do that. And now I do yoga three, four times a week.”

Tammy
SCS patient

If you have a successful trial, you and your doctor will decide if a permanent implant is right for you. The procedure is similar to the trial procedure, you will have leads placed near your spinal cord. In addition, the neurostimulator will be permanently implanted under your skin. The procedure is most often performed in a hospital or surgery center on an outpatient basis, and takes approximately 1 to 3 hours.

A typical follow-up schedule is once every 6 months, although initially the neurostimulation system may require more frequent adjustments. Your doctor will explain how to personalize your therapy to achieve the best pain relief.

Your therapy programmer can adjust the stimulation to levels that are right for you. This puts you in control of your stimulation, to make sure the therapy is meeting your needs.

VERSATILE THERAPY OPTIONS

Medtronic offers multiple SCS therapy settings to meet the unique needs of each patient. Some patients respond to different types of stimulation or a combination of therapy options. Stimulation is often associated with a pleasant, tingling sensation, which is focused on providing pain relief and patient comfort, depending on individual patient needs and preferences.

DISCOVER MORE AT medtronic.com/info
The technologically advanced Intellis™ system has built-in features working behind the scenes so you can focus on living.

Fast, convenient recharging

You’ll know when to recharge your implanted neurostimulator when the Low Battery screen appears on your therapy programmer.

- **Fast recharge** — empty to full in about 1 hour
- **Convenient** — portable recharging system lets you go about your activities without being plugged into a wall
- **Regular charging is important** — how often you recharge your system depends on the type of therapy you receive

Powered by Medtronic Overdrive™ battery technology, the Intellis™ system features:

- Fast battery recharge
- Minimal loss of charging capacity over time
- Smallest size device — ideal for an active lifestyle
- Industry leading warranty, covering the entire life of the implanted neurostimulator (INS)*

*For more information on our 9 year warranty of the INS, contact rs.rtgwarranty@medtronic.com
“Recharging for me is very simple. I put the belt on, I just plug in the recharger to the programmer, and away I go. I can sit down while I do it, I can stand up, I can walk around, I can do whatever I need to do.”

Bryan
SCS patient
BROADEST ACCESS TO MRI — WITHOUT COMPROMISE

The Intellis™ device integrates SureScan™ MRI technology, providing MRI access anywhere in the body with normal operating mode power settings.

Other neurostimulators may restrict the allowed MRI power or scan location, preventing imaging on your shoulders or vital organs in your torso.

The Intellis™ device gives you the broadest access to MRI, the same unrestricted MRI access as non-implanted patients.*

Approximately 82% of SCS-implanted patients will likely need at least one MRI within five years of implant.†

“My doctor was adamant that we find a device that was MRI compatible. I have a past history of breast cancer, so I am required to have an MRI every year. It was very important to me that I use Medtronic because it was MRI compatible.”

Tammy
SCS patient

EXCLUSIVE FEATURES

DISCOVER MORE AT medtronic.com/info

* Under specific conditions. Talk to your doctor and refer to product labeling for full list of conditions.

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DELIVERS PERSONALIZED TREATMENT BASED ON SEVEN UNIQUE BODY POSITIONS

INCREASES OR DECREASES STIMULATION TO PROVIDE PERSONALIZED PAIN RELIEF

TRACKS YOUR DAILY MOVEMENT TO HELP YOUR PHYSICIAN ASSESS YOUR PROGRESS AND, IF NEEDED, ADJUST THE STIMULATION

YOUR OWN THERAPY. PERSONALIZED. AUTOMATIC.

Some SCS systems require you to use a handheld therapy programmer to change your stimulation level as you change positions — for example, when you go from sitting to standing, or rolling from your stomach to your back.

The Intellis™ system with AdaptiveStim™ technology automatically adjusts the therapy as you move your body, so you don’t have to manually adjust with every move.

88.7% * of patients report better pain relief with AdaptiveStim™ technology vs. conventional stimulation.12,13

*RestoreSensor™ Clinical Study compared AdaptiveStim™ technology to Medtronic conventional stimulation; 88.7% is based on analysis of one of two questions that comprised the primary endpoint of improved convenience and/or better pain relief. Percentage based on respondents who completed the pain relief question.

WHY CHOOSE MEDTRONIC?

As the global leader in medical technology, with over 40 years of neurostimulator experience, Medtronic continues to invest in neuromodulation therapy solutions that reduce pain and restore function.

Both physicians and patients count on Medtronic for the widest education network available — you can find physicians who are familiar with Medtronic chronic pain treatments in more than 120 countries worldwide.

AdaptiveStim™ Technology is only available with the Intellis™ with AdaptiveStim™ neurostimulator model 9715.
ANSWERS
TO COMMON
QUESTIONS

Helping you understand more
about Medtronic SCS

Will my insurance company cover the costs?
Many insurance companies will pay for spinal cord stimulation. However, as with many pain treatments, your doctor will have to get approval from your insurance company before you can receive treatment. Your out-of-pocket costs will vary according to your insurance plan. Consult your doctor or insurance carrier for more specific information.

If the trial is successful, will an implanted system provide the same pain relief?
The trial is designed to mimic the therapy. Your doctor can adjust your neurostimulator so it delivers the best pain relief possible. Be sure to tell your doctor about the way you feel, so changes can be made to optimize your therapy.

Will spinal cord stimulation eliminate other sources of pain?
Your spinal cord stimulation system will not eliminate the source of pain. It’s used to help manage your chronic pain.

What are the common risks?
There are general surgical risks that you should discuss with your doctor. Review the brief statement in the back of this brochure for side effects that have been associated with this therapy.

Will spinal cord stimulation therapy eliminate my chronic pain?
Many people experience significant and sustained reduction in chronic pain. However, spinal cord stimulation does not eliminate the source of pain, so the amount of pain reduction varies from person to person.

Why would my doctor and I choose a neurostimulator with adaptive stimulation?
As you change positions, your spinal cord moves closer to or away from the electrodes that send out the pulses. A stimulation level that blocks your pain well when you’re standing may cause discomfort when you’re lying down. Adaptive stimulation reduces the need to manually adjust your stimulation level when you change positions. This feature is only available on the Intellis™ model 97715.

Will I need to have another surgery to replace the SCS device?
The Intellis™ neurostimulator with Medtronic Overdrive™ battery technology maintains nearly full capacity (less than 5% fade) over the lifetime of the device, up to nine years. At this point, Medtronic recommends that you replace your device.

How do I control the stimulation?
You adjust the spinal cord stimulation with a handheld programmer that works like a remote control. Your doctor pre-programs the settings based on your needs and preferences.

Can I travel or move to another part of the country?
Yes, you can travel. The wall charger for the Intellis™ patient programmer is a universal charger and can be used overseas. It supports input voltages from 100–240 V at frequencies of 5–60 Hz. All you need is a plug adapter to charge the patient programmer.

If you move to another part of the country your treatment-related information is conveniently stored on your device. A doctor can access this information so you can be treated at any clinic that uses the Intellis™ platform.

1. This is a suggested figure.
References


Spinal Cord Stimulation Brief Summary

**INDICATIONS** Spinal cord stimulation (SCS) is indicated as an aid in the management of chronic, intractable pain of the trunk and/or limbs—including unilateral or bilateral pain. **CONTRAINDICATIONS** - Energy from diathermy can be transferred through the implanted system and cause tissue damage resulting in severe injury or death. **WARNINGS** Sources of electromagnetic interference (e.g., defibrillation, electrocautery, MRI, RF ablation, and therapeutic ultrasound) can interact with the system, resulting in unexpected changes in stimulation, serious patient injury or death. An implanted cardiac device (e.g., pacemaker, defibrillator) may damage a neurostimulator, and electrical pulses from the neurostimulator may cause inappropriate response of the cardiac device. **PRECAUTIONS** Safety and effectiveness has not been established for pediatric use, pregnancy, unborn fetus, or delivery. Avoid activities that put stress on the implanted neurostimulation system components. Recharging a rechargeable neurostimulator may result in skin irritation or redness near the implant site. **ADVERSE EVENTS** May include: undesirable change in stimulation (uncomfortable, jolting or shocking); hematoma, epidural hemorrhage, paralysis, seroma, infection, erosion, device malfunction or migration, pain at implant site, loss of pain relief, and other surgical risks.

Refer to www.medtronic.com for product manuals for complete indications, contraindications, warnings, precautions and potential adverse events. Rx only. Rev 0119

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