

TAKE CONTROL OF YOUR FUTURE

The Intellis™ spinal cord stimulation system sets the new standard for managing chronic pain.

Medtronic
Further. Together

BUILT FOR A FUTURE OF PAIN RELIEF

Spinal cord stimulation (SCS) delivers mild electrical impulses along implanted, insulated wires, called leads, to an area near your spine.

By interrupting pain signals that travel between your spinal cord and your brain, the Intellis™ system may help you get back to doing the everyday things you love most.





MEDTRONIC PROVIDES YOU WITH SOLUTIONS DESIGNED FOR REAL LIFE



World's smallest implantable
SCS neurostimulator



Access to MRI*
anywhere on your body



Discrete wireless trialing
system lets you try SCS



AdaptiveStim™ technology
automatically adjusts the
therapy as your body moves



Fast, convenient implantable
neurostimulator recharge
(approx. one hour)



* Under specific conditions. Refer to
product labeling for list of conditions.

DISCREET WIRELESS TRIALING SYSTEM

The Intellis™ wireless trialing system uses an external stimulator that mimics the actual treatment.

After the trial, you and your doctor will decide whether spinal cord stimulation will help you manage your chronic pain, and if you should proceed with a permanent device implant.

To help you with your decision, learn more about the Intellis™ system in this brochure. Connect with other patients and healthcare consultants (see page 14), and watch patient videos.

Vectris™
Temporary Leads



External Neurostimulator,
Bluetooth™-Enabled



ABOUT THE TRIALING PROCEDURE

- **Temporary lead placement**
procedure performed in a clinic, day surgery center, or hospital
- **Temporary leads**
(thin, flexible wires) placed in the area near the spine
- **Leads are connected to an external wireless neurostimulator**
secured to your back during the duration of the trial
- **Trial period lasts 3–10 days**

SUSTAINABLE BATTERY PERFORMANCE

The Intellis™ system eliminates a top concern for many patients: issues related to battery or recharge. Powered by Medtronic Overdrive™ battery technology, the Intellis™ system features fast battery recharge, minimal loss of capacity over time, and the smallest size device — ideal for an active lifestyle.



"Now I can sleep, hike, bike, and walk my dog. I couldn't live a normal life without neurostimulation."

Jaclyn, patient living with SCS

Responses to the treatment can and do vary. Not every response is the same. Please consult with your HCP on whether this treatment is right for you."



Wireless, Touchscreen
Patient Programmer



**APPROXIMATELY
ONE HOUR
RECHARGE FROM
EMPTY TO FULL**



**OVER THE
LIFETIME OF THE
DEVICE, BATTERY
CAPACITY WILL
FADE < 5%**

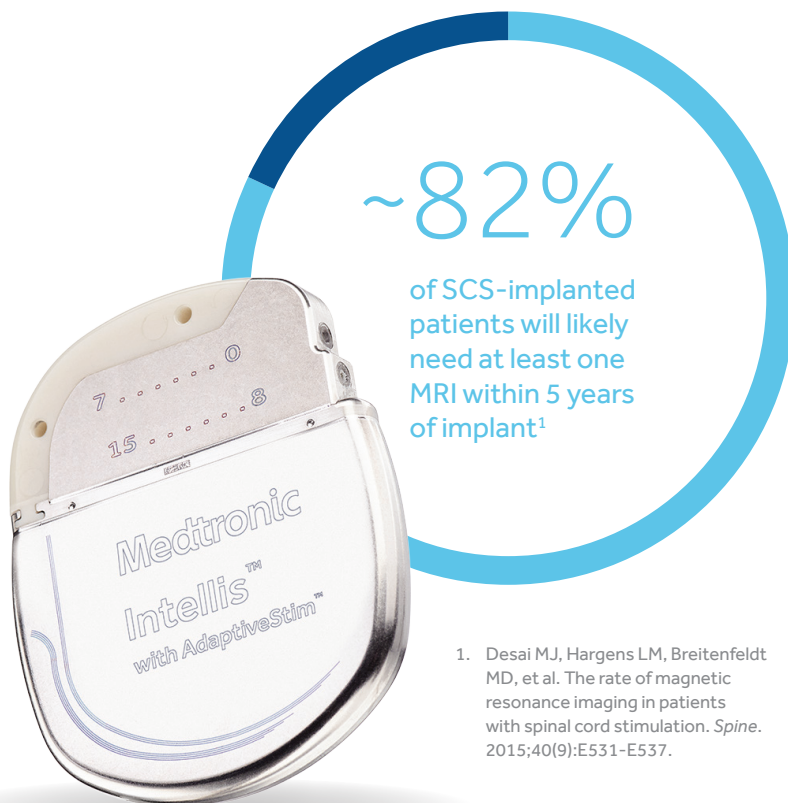


**ABILITY TO
RECHARGE A
COMPLETELY
EMPTY BATTERY**

Data on file.

ACCESS TO MRI WITHOUT COMPROMISE

Sometime in the future, you may need an MRI* to diagnose an unrelated condition. The Intellis™ spinal cord stimulation system uses Medtronic SureScan™ MRI technology so you can have an MRI anywhere on your body — just like a patient without an implanted neurostimulator.



1. Desai MJ, Hargens LM, Breitenfeldt MD, et al. The rate of magnetic resonance imaging in patients with spinal cord stimulation. *Spine*. 2015;40(9):E531-E537.

 * Under specific conditions. Requires SureScan™ MRI implantable neurostimulator and leads. Refer to product labeling for list of conditions.

ALLOWS FOR
MRI ACCESS,
AT NORMAL
OPERATING
MODES*

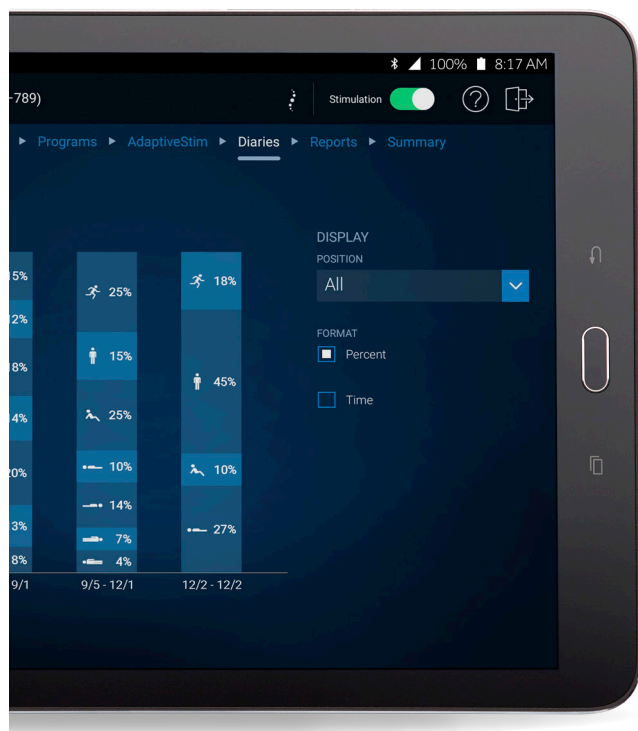


* Under specific conditions. Refer to product labeling for list of conditions.



PERSONALISED, RESPONSIVE THERAPY

The Intellis™ system with Medtronic AdaptiveStim™ technology automatically adjusts the therapy as you move your body.

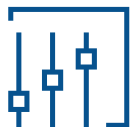


88.7%*

of patients report better pain relief with AdaptiveStim™ technology vs. conventional stimulation^{1,2}.

* 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.

1. Medtronic Advanced pain therapy using neurostimulation for chronic pain. Clinical Summary, 2017. M221494A010 rev C.
2. Schultz D, Webster L, Kosek P, et al. Sensor-driven position-adaptive spinal cord stimulation for chronic pain. Pain Physician. 2012;15(1):1-12.



**DELIVERS
PERSONALISED
TREATMENT BASED
ON SEVEN UNIQUE
BODY POSITIONS**



**INCREASES OR
DECREASES
STIMULATION TO
PROVIDE OPTIMAL
PAIN RELIEF**



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



**"I travelled for four hours
by car to attend my
daughter's 30th birthday
party and then stood for
hours talking with friends
and family — with no
back spasms. The device
kept the pain at bay."**

Rod, patient living with SCS

*Responses to the treatment can and do vary.
Not every response is the same.*

SECURE DATA THAT TRAVELS WITH YOU

Your treatment-related information, including your daily movement log and spine images, is stored on your implanted Intellis™ device, so it's with you wherever you go.

- **Provides activity information captured by AdaptiveStim™ technology**
to help your physician make informed pain management decisions
- **Gives you the freedom to travel or relocate,** knowing that another physician can access your information directly from your device
- **Integrates data encryption**
to meet product data security requirements



THE VALUE OF PERSONAL **EXPERIENCE**

Some questions are best answered by someone who has personal experience with spinal cord stimulation or who has clinical experience with the procedure. We can help you make those connections.



FREQUENTLY ASKED QUESTIONS

Will my health fund cover the Intellis™ system?

In Australia if you have private health insurance hospital cover for the management of chronic pain, your insurer will generally provide full reimbursement for spinal cord stimulation devices. The cost of private health insurance varies according to several factors such as level of cover, lifetime health cover loading and state of residence. You should speak to your health insurer to understand your level of cover.

Will the implanted device give me the same pain relief as the trial?

The trial is designed to mimic what you'll experience with the implanted device. Your doctor will adjust your neurostimulator until you experience optimal pain relief.

Will the device completely eliminate my chronic pain?

Many people experience significant pain reduction with spinal cord stimulation¹. However, the therapy doesn't treat the source of pain, so the degree of pain reduction will vary from person to person. Also, note that SCS does not provide relief from headaches, stomach aches, fractures, or other types of chronic pain.

Can I control the stimulation?

Your doctor will program the settings based on your needs and preferences, but you can adjust the level of stimulation using your handheld programmer, which works like a remote control.

Can I travel or move to another part of the country?

Your treatment-related information is stored on your device, so you can be treated at any clinic that uses the Intellis™ platform.

Will I need to have another surgery to replace the SCS device?

The Intellis™ device with Medtronic Overdrive™ battery technology maintains nearly full capacity (less than 5% fade²) over the lifetime of the device, typically nine years. At this point, you and your physician may elect surgery to replace the SCS device.

1. Kumar K, Taylor RS, Jacques L, et al. The effects of spinal cord stimulation in neuropathic pain are sustained: a 24-month follow-up of the prospective randomised controlled multicenter trial of the effectiveness of spinal cord stimulation. *Neurosurgery*. 2008;63(4):762-770.
2. Data on file.



CAREGIVER FREQUENTLY ASKED QUESTIONS

Understand your loved
one's decision to try
Medtronic SCS

What is SCS?

Spinal cord stimulation, or SCS, is an intervention for chronic back and/or leg pain that can be an effective alternative or adjunct treatment to other therapies that have failed to manage pain on their own. An implantable spinal cord stimulator delivers small electrical signals through a lead implanted in the epidural space. Pain signals are inhibited before they reach the brain. Instead of pain, patients may feel pain relief.

The Medtronic steadfast commitment to safety, testing, and reporting has led to the development of some of the industry's most widely used neurostimulation devices.

What can I expect for my loved one if they decide to move forward with Medtronic SCS?

Published studies have shown that when used by carefully selected patients with chronic pain, spinal cord stimulation may offer the following benefits:

- Long-term pain relief^{1,2}
- Improved quality of life^{1,2}
- More effective than repeat surgery for persistent radicular pain after lumbosacral spine surgery³
- Successful pain disability reduction²
- More cost-effective than conventional medical management and reoperation

Can SCS patients access MRI scans?

Approximately 82% of patients implanted with a spinal cord stimulator will need an MRI within five years, to diagnose an unrelated condition. Medtronic SureScan™ MRI Technology provides access to MRI* scans anywhere on the body.



* Under specific conditions. Refer to product labeling for list of conditions.

How can I support my loved one as they explore the Medtronic SCS option?

- Work with your loved one to prepare a list of questions for the doctor. Focus on the goals and functional improvements you are expecting to see if your loved one is implanted with the neurostimulator.
- Learn more about a trial. The great thing about spinal cord stimulation is you can temporarily evaluate how well the neurostimulator relieves pain and increases ability to complete daily activities — before deciding to go ahead with the permanent implant.

1. Kumar K, Taylor RS, Jacques L, et al. The effects of spinal cord stimulation in neuropathic pain are sustained: a 24-month follow-up of the prospective randomised controlled multicenter trial of the effectiveness of spinal cord stimulation. *Neurosurgery*. 2008;63(4):762-770; discussion 770.
2. Harke H, Grentenkort P, Ladleif HU, Rahman S. Spinal cord stimulation in sympathetically maintained complex regional pain syndrome type I with severe disability. A prospective clinical study. *Eur J Pain*. 2005;9(4):363-373.
3. North RB, Kidd DH, Farrokhi F, Piantadosi SA. Spinal cord stimulation versus repeated lumbosacral spine surgery for chronic pain: a randomised, controlled trial. *Neurosurgery*. 2005;56(1):98-107.
4. North RB, Kidd D, Shipley J, Taylor RS. Spinal cord stimulation versus reoperation for failed back surgery syndrome: a cost effectiveness and cost utility analysis based on a randomised, controlled trial. *Neurosurgery*. 2007;61(2):361-369.

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ANZ4788-042018