



SPINAL CORD STIMULATION FOR COMPLEX REGIONAL PAIN SYNDROME (CRPS)

Experience the power of personalized
pain relief.





Personalized Therapy for CRPS

Living with the intense pain of Complex Regional Pain Syndrome (CRPS), you've probably tried a range of pain management methods. Too often, these treatments are ineffective or have unpleasant side effects.

Boston Scientific's WaveWriter Alpha™ Spinal Cord Stimulator (SCS) System offers a proven, drug-free alternative that can provide effective, long-term relief tailored to your own personal pain.

Multiple Therapies. One Device.

Spinal Cord Stimulation (SCS) therapies work by sending mild electrical pulses to interrupt pain signals so you don't perceive them as pain.

The WaveWriter Alpha™ SCS System can deliver multiple therapies, either individually or at the same time.

This is important because:

- Different people respond better to different therapies.¹ By offering multiple therapies in one device, the WaveWriter Alpha SCS System may have a better chance of finding the right therapy for your personal pain.²
- Your pain may change over time. Being able to adapt your therapy to these changes can help provide effective, long-term relief.³



WaveWriter Alpha SCS System

Targeting Your Unique Pain Areas.

CRPS usually occurs in a particular area—your foot, your knee, your groin, or your hip. Targeting your precise pain area is key to finding effective relief.

The WaveWriter Alpha SCS System features advanced software and leads with up to 31 individually-controlled contacts.

This means:

- The WaveWriter Alpha SCS System is designed to be programmed to find your unique pain relief “target.”
- The programming can be adjusted to maintain therapy in the right spot over time, even if the target moves.



In addition to innovative pain solutions like SCS, Boston Scientific provides Cognita Care, a range of

tools and services to help you learn, connect, and thrive. Learn more at [Pain.com](https://www.pain.com).

References: 1. Kriek, N., Groeneweg, J., Stronks, D., Ridder, D. and Huygen, F. (2017), Preferred frequencies and waveforms for spinal cord stimulation in patients with complex regional pain syndrome: A multicentre, double-blind, randomized and placebo-controlled crossover trial. *Eur J Pain*, 21: 507-519. doi:10.1002/ejp.944 N=29. 2. North, J. et al., (2019), Outcomes of a Multicenter, Prospective, Crossover, Randomized Controlled Trial Evaluating Subperception Spinal Cord Stimulation at :s1.2 kHz in Previously Implanted Subjects. *Neuromodulation: Technology at the Neural Interface*. doi:10.1111/ner.13015 N=140. 3. Attalah, Joseph et al., (2018) Evaluation of CRPS Patients Using an SCS System with Multiple Waveform and Stimulation Frequency Options. *Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation*, Volume 12, Issue 2, e18 - e19 N=35.

Indications for Use: The Boston Scientific Spinal Cord Stimulator Systems are indicated 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: failed back surgery syndrome, Complex Regional Pain Syndrome (CRPS) Types I and II, intractable low back pain and leg pain. Associated conditions and etiologies may be: radicular pain syndrome, radiculopathies resulting in pain secondary to failed back syndrome or herniated disc, epidural fibrosis, degenerative disc disease (herniated disc pain refractory to conservative and surgical interventions), arachnoiditis, multiple back surgeries. **Contraindications.** The Spinal Cord Stimulator systems are not for patients who are unable to operate the system, have failed trial stimulation by failing to receive effective pain relief, are poor surgical candidates, or are pregnant.

 Boston Scientific's ImageReady™ MRI Technology makes safe MRI head scans possible. Patients implanted with the Precision Spectra™ or Spectra WaveWriter™ Spinal Cord Stimulator Systems with ImageReady™ MRI Technology are "MR Conditional" only when exposed to the MRI environment under the specific conditions defined in the applicable ImageReady™ MRI Head Only Guidelines for Precision Spectra™ or Spectra WaveWriter™ Spinal Cord Stimulator Systems.

 Boston Scientific's ImageReady™ MRI Full Body Technology makes safe MRI scans possible. The Precision Montage™ MRI, WaveWriter Alpha™ and WaveWriter Alpha™ Prime SCS Systems with ImageReady™ MRI Full Body Technology are "MR Conditional" only when exposed to the MRI environment under the specific conditions defined in the applicable ImageReady™ MRI Full Body Guidelines for Precision Montage™ MRI or WaveWriter Alpha™ and WaveWriter Alpha™ Prime Spinal Cord Stimulator Systems.

Warnings. Patients implanted with Boston Scientific Spinal Cord Stimulator Systems without ImageReady™ MRI Technology should not be exposed to Magnetic Resonance Imaging (MRI). Exposure to MRI may result in dislodgement of the stimulator or leads, heating of the stimulator, severe damage to the stimulator electronics and an uncomfortable or jolting sensation. As a Spinal Cord Stimulation patient, you should not have diathermy as either a treatment for a medical condition or as part of a surgical procedure. Strong electromagnetic fields, such as power generators or theft detection systems, can potentially turn the stimulator off, or cause uncomfortable jolting stimulation. The system should not be charged while sleeping. The Spinal Cord Stimulator system may interfere with the operation of implanted sensing stimulators such as pacemakers or implanted cardiac defibrillators. Advise your physician that you have a Spinal Cord Stimulator before going through with other implantable device therapies so that medical decisions can be made and appropriate safety measures taken. Patients using therapy that generates paresthesia should not operate motorized vehicles such as automobiles or potentially dangerous machinery and equipment with the stimulation on. Stimulation must be turned off first in such cases. For therapy that does not generate paresthesia (i.e. subperception therapy) it is less likely that sudden stimulation changes resulting in distraction could occur while having stimulation on when operating moving vehicles, machinery, and equipment. Your doctor may be able to provide additional information on the Boston Scientific Spinal Cord Stimulator systems. For complete indications for use, contraindications, warnings, precautions, and side effects, call 866.360.4747 or visit [Pain.com](https://www.pain.com). **Caution:** U.S. Federal law restricts this device to sale by or on the order of a physician.

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Advancing science for life™

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