

DRUG-FREE Pain Management Therapy

MOVE FORWARD FASTER

THE SPRINT PNS SYSTEM IS A 60-DAY TREATMENT INTENDED TO HELP YOU GET BACK TO THE LIFE YOU WANT — WITHOUT OPIOIDS OR PERMANENT IMPLANTS. IT USES A PULSE GENERATOR TO DELIVER THERAPY THROUGH A VERY FINE THREAD-LIKE WIRE CALLED THE MICROLEAD[™]. YOU CONTROL THE STIMULATION WITH A SIMPLE, HAND-HELD REMOTE.

WHAT IS PNS?

Doctors have used peripheral nerve stimulation (PNS) for more than 50 years. Until now it had required a permanent implant. The SPRINT System uses a tiny lead that is placed with a needle. No scalpel, incisions, stitches, or permanent implants are required.

MicroLead™



KEEP PAIN OUT OF YOUR WAY.

Live your life with less interference from pain with SPRINT.

HOW DOES SPRINT WORK?

The SPRINT PNS System sends mild electrical pulses directly to the nerves, which can reduce pain signals.

HOW WELL DOES SPRINT WORK?



In clinical trials, 74% of patients reported significant pain relief or improved ability to participate in daily activities.¹⁻¹¹

In fact, most people who experienced SPRINT reported significantly less pain long after the lead was withdrawn.



SPRINT PNS System (in place on shoulder)

WHAT IS THE PROCEDURE LIKE?

The thread-like MicroLead is placed near the nerve through a needle. During the procedure, your doctor will test the stimulation to ensure that the lead is in the best location. After the procedure, you will have the ability to adjust stimulation settings as needed. After 60 days, your physician will withdraw the lead.

ARE THERE ANY ACTIVITY LIMITATIONS?

Expect to go about your normal activities while using SPRINT. Before taking a shower, you will need to disconnect the pulse generator.

WHAT RISKS ARE ASSOCIATED WITH SPRINT?

The most common risks are skin irritation and redness that go away within a few days without the need for medical care. The implanted lead is constructed of very fine wire about the size as a human hair. It is possible that a lead remnant may remain beneath your skin following the procedure.



No medically serious events related to the use of the SPRINT PNS System have been reported. For more information, visit www.sprtherapeutics.com

HOW DOES SPRINT COMPARE TO OTHER PNS SYSTEMS?

SPRINT is the only FDA-cleared PNS system available that does not require incisions or a permanent implant. In addition, the MicroLead is the thinnest PNS lead, which makes it easier to remove.

DOES INSURANCE COVER SPRINT PNS?

Many carriers cover SPRINT. Ask your doctor about insurance coverage, which can vary according to specific plans and carriers.





REFERENCES:

- Yu, D.T., Chae, J., Walker, M.E., & Fang, Z. P. (2001). Percutaneous intramuscular neuromuscular electric stimulation for the treatment of shoulder subluxation and pain in patients with chronic hemiplegia: a pilot study. Archives of physical medicine and rehabilitation, 82(1), 20-25.
- Chae, J., David, T.Y., Walker, M.E., Kirsteins, A., Elovic, E.P., Flanagan, S.R., ... & Fang, Z.P. (2005). Intramuscular electrical stimulation for hemiplegic shoulder pain: a 12-month follow-up of a multiple-center, randomized clinical trial. American journal of physical medicine & rehabilitation, 84(11), 832-842.
- Chae, J., Wilson, R.D., Bennett, M.E., Lechman, T. E., & Stager, K.W. (2013). Single lead percutaneous peripheral nerve stimulation for the treatment of hemiplegic shoulder pain: a case series. Pain practice, 13(1), 59-67.
- Wilson, R.D., Gunzler, D.D., Bennett, M.E., & Chae, J. (2014). Peripheral nerve stimulation compared to usual care for pain relief of hemiplegic shoulder pain: a randomized controlled trial. American journal of physical medicine & rehabilitation/Association of Academic Physiatrists, 93(1), 17.
- tation/Association of Academic Physiatrists, 93(1), 17.
 Wilson, R.D., Harris, M. A., Gunzler, D.D., Bennett, M.E., & Chae, J. (2014). Percutaneous peripheral nerve stimulation for chronic pain in subacromial impingement synchrome: a case series. Neuromodulation: Technology at the Neural Interface, 17(8), 771-776.
- Rauck, R.L., Cohen, S.P., Gilmore, C.A., North, J.M., Kapural, L., Zang, R.H., ... & Boggs, J.W. (2014). Treatment of post-amputation pain with peripheral nerve stimulation. Neuromodulation: Technology at the Neural Interface, 17(2), 188-197.
- Gilmore C.A., Ilfeld B.M., Rosenow J.M., Li S., Desai M.J., Hunter C.W., Nader A., Mak J., Rauck R.L., Kapural L., Crosby N.D., Boggs J.W. (2018). Percutaneous peripheral nerve stimulation (PNS) for the treatment of chronic neuropathic post-amputation pain: Initial results from a multicenter, randomized, placebo-controlled study. Napa Pain Conference.
- Gilmore, C.A., Kapural, L. McGee, M.J., Boggs, J.W. (2018) Minimally invasive percutaneous peripheral nerve stimulation (PNS) reduces pain and disability in chronic low back pain. World Congress on Regional Anesthesia & Pain Medicine.
- Ilfeld, B.M., Gilmore, C.A., Grant, S.A., Bolognesi, M. P., Del Gaizo, D.J., Wongsampigoon, A., & Boggs, J.W. (2017). Ultrasound-guided percutaneous peripheral nerve stimulation for analgesia following total knee arthroplasty: a prospective feasibility study. Journal of orthopaedic surgery and research, 12(1), 4.
- Ilfeld, B.M., Grant, S.A., Gilmore, C.A., Chae, J., Wilson, R.D., Wongsarnpigoon, A., & Boggs, J.W. (2017). Neurostimulation for Postsurgical Analgesia: A Novel System Enabling Ultrasound-guided Percutaneous Peripheral Nerve Stimulation. Pain Practice, 17(7), 892-901.
- Ilfeld, Brian M., et al., Ultrasound-Guided Percutaneous Peripheral Nerve Stimulation: Neuromodulation of the Sciatic Nerve for Postoperative Analgesia Following Ambulatory Foot Surgery, a Proof-of-Concept Study. Regional Anesthesia and Pain Medicine 2018. 43(6): p. 580–589.

* SPRINT is FDA-cleared for up to 60 days in the back and/or extremities for: (i) Symptomatic relief of chronic, intractable pain, post-surgical and post-traumatic acute pain; (ii) Symptomatic relief of post-traumatic pain; and (iii) Symptomatic relief of post-operative pain. SPRINT is not intended to treat pain in the craniofacial region. Physicians should use their best judgment when deciding when to use SPRINT. For more information see the SPRINT_FU.



22901 Millcreek Boulevard Cleveland, OH 44122 sprtherapeutics.com Results vary Rx Only