

CURONIX

Redefining Chronic Pain Management
in Knee Patients



Chronic Pain Management in Knee Patients

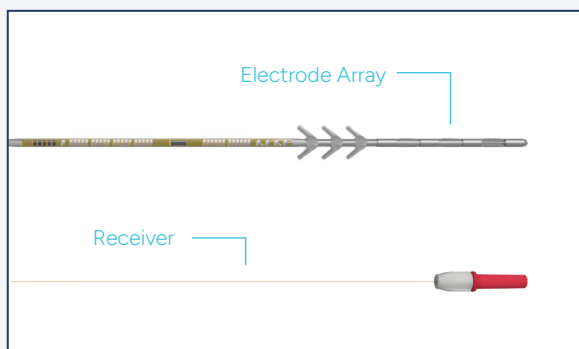
Despite technological and procedural advances in knee surgery, preventing chronic pain from interfering with favorable mechanical outcomes can be cumbersome.

It is possible for iatrogenic nerve injury to take place during procedures, a major cause of chronic pain.¹ The following potential candidates may experience chronic knee pain:

- Painful total joint patients
- Post-traumatic patients
- Non-surgical candidates or patients not medically cleared for total joint

Introducing a Long-Term, Innovative Solution for Chronic Knee Pain

The Curonix Freedom® Peripheral Nerve Stimulator (PNS) System is designed to treat your challenging chronic pain patients with a permanent, minimally invasive implant.



Implanted Two-Component Stimulator

The implanted stimulator contains a 4-contact electrode array and separate receiver that is connected intraoperatively.



External Transmitter Assembly

Simple design for patients to easily power the device on and off when needing therapy relief. The external transmitter assembly can power the implanted stimulator through 6cm of tissue depth.*



Wearable Extremity

Customized to fit the Curonix product, providing patients with the freedom to seamlessly return to their daily activities.

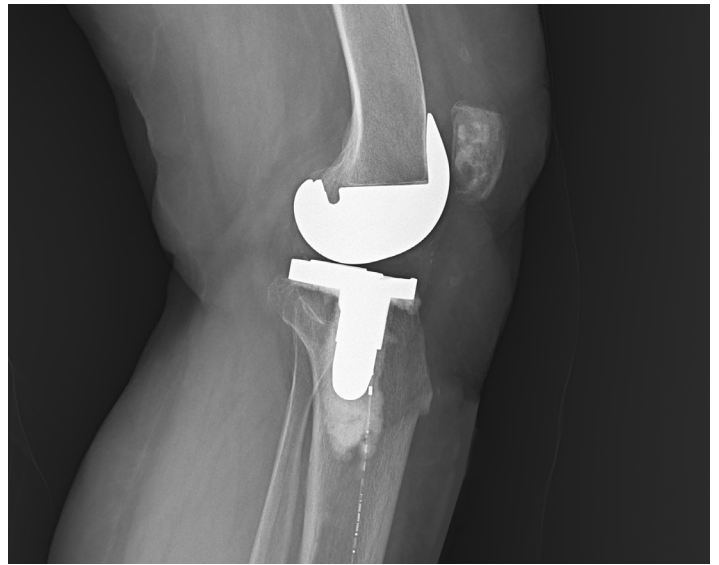
*Internal Testing on File with Curonix.

The Therapy

The system uses electrical pulses that competitively inhibits the receptors at the peripheral nervous system, preventing the transmission of pain signals to the brain.

The following peripheral nerves causing chronic knee pain may be identified and targeted:

- Saphenous Nerve
- Infrapatellar Saphenous Nerve (IPS)
- Common Peroneal Nerve
- Superior Genicular Nerves
- Femoral Nerve



The Clinical Outcomes



Less Pain

86% reduction in pain 1 month after surgery in chronic knee pain patients.²



Reduced Medication

75% reduction in medication at 3 & 6 month follow-up.^{3**}



Improved Quality of Life

Patients reported improved quality of life, mood quality, and quality of sleep at follow-up.³

**Mean Morphine Equivalence (MME) Opioid Use Reduction Scale



For More Information

Visit www.curonix.com or scan the QR code to view the surgical technique video.

CURONIX

1. Marchettini, P. (2007). Iatrogenic Causes of Neuropathy. In: Schmidt, R., Willis, W. (eds) Encyclopedia of Pain. Springer, Berlin, Heidelberg.
2. Kilbride, E. Peripheral Nerve Stimulation Uses High-Frequency Electromagnetic Coupling Technology to Power an Implanted Neurostimulator With a Separate Receiver for the Treatment of Chronic Knee Pain: A Retrospective Study. Pain Medicine Case Reports 2024; 8:49-53.
3. Früh A, Sargut TA, Hussein A, Muskala B, Kuckuck A, Brüßeler M, Vajkoczy P, Bayerl S. Peripheral nerve stimulation for the treatment of chronic knee pain. Sci Rep. 2023 Sep 20;13(1):15543. doi: 10.1038/s41598-023-42608-x. PMID: 37730812; PMCID: PMC10511698.

Individual results may vary. Curonix LLC is a manufacturer of medical devices and does not practice medicine. Only a physician can determine what treatment is appropriate. The contents of this document do not constitute medical, legal, or any other type of professional advice. For more information on risks, warnings, and possible adverse side effects refer to the Instructions for Use provided with the device or available on curonix.com.