CURONIX

Freedom®
Peripheral Nerve Stimulator (PNS) System

The Problem

Chronic pain affects at least **10 percent** of the world's population – approximately 60 million people.[1]

$635 Billion in annual costs are associated with chronic pain.[2]

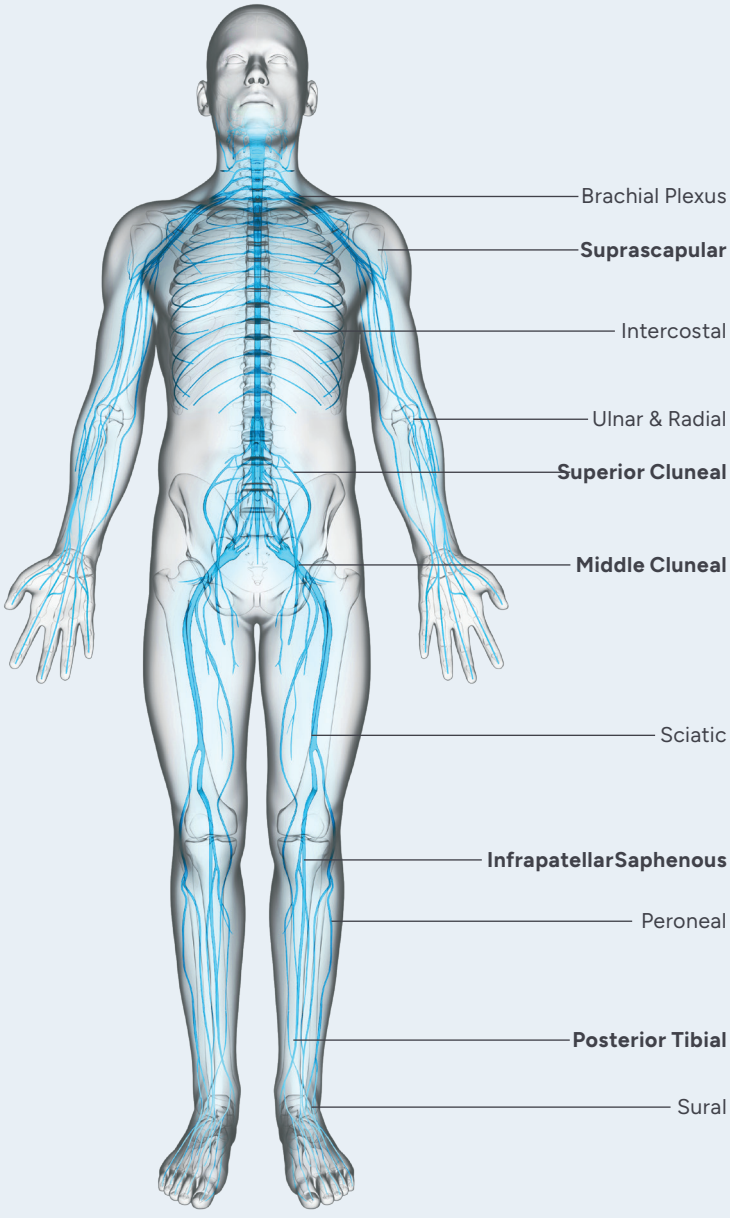
Over 16 million people globally suffer from opioid dependence or addiction.[3]

About **2.4 percent** of the population is affected by peripheral neuropathy[4], a key contributor to chronic pain.[5]

The Patient

Commonly, patients with chronic peripheral nerve pain may have one or more of the following conditions and/or medical history:

- Post-Surgical Chronic Pain
- Mononeuropathies
- Successful Nerve Block
- Successful RFAs
- High MRI Burden
- Failed SCS
- Blood Thinner Dependent
- Comorbidities



The Solution

Curonix offers the Freedom® Peripheral Nerve Stimulator System that involves a minimally invasive, percutaneous procedure. The system includes an implanted neurostimulator, external transmitter assembly, wearable accessory and customized therapy for your patients to receive pain relief.

Broad Coverage

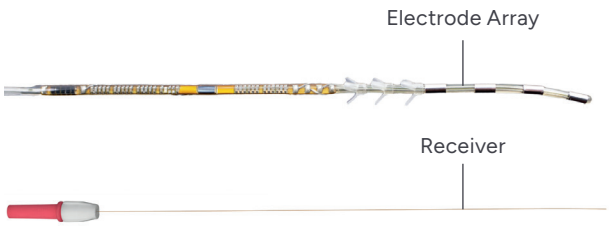
Each implanted neurostimulator contains a 4-contact or 8-contact electrode array and a connected receiver. The separate receiver is connected intraoperatively and supplies broad coverage, allowing for flexibility.

Power

High Frequency-Electromagnetic Coupling (HF-EMC) delivers energy from the external transmitter assembly to the implanted neurostimulator. The transmitter can power through clothing, up to 6cm in depth*, allowing it to be housed in a wearable accessory, mitigating the need for adhesives.

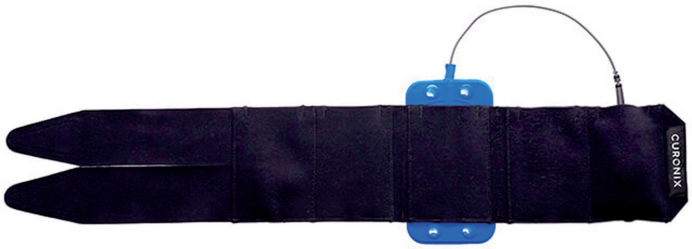
Purposefully Designed Wearables

The wearable is customized to fit the Curonix product, providing patients with the freedom to seamlessly return to their daily activities without experiencing loss of connectivity.



Implanted Neurostimulator

Transmitter Assembly



Wearable

The Outcomes

Decrease in Medication Usage

Patients reduced medication usage by **47%** at 24 months post-implant.[6]

Reduced Pain

Patients reported more than **70% improvement in pain** at all follow-ups.[6] Foot and Ankle patients experienced a **65% reduction in pain scores** at 12 months post-implant.[7]

Improvement in Quality of Life

Foot and Ankle patients experienced an **improvement in quality of life** 12 months following PNS implantation.[7]

*Internal testing on file with Curonix

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Scan the code
to learn more

References

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5 https://nationalpain.org/fast-facts-about-pain

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7 Pollina, Ryan, Gabriela Betanzons, and Alaa Abd-Elsayed. "Peripheral Nerve Stimulation With a High-Frequency Electromagnetic Coupled Powered Implanted Receiver at the Posterior Tibial Nerve for the Treatment of Chronic Pain in the Foot." Neuromodulation: Technology at the Neural Interface (2023).

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The Transmitter Assembly may be identified as the Wearable Antenna Assembly (WAA) in certain jurisdictions.

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