NERVE STIMULATION WORKS

Introducing Quell™, a 100% drug free technology proven to fight pain¹

A new option for relief from chronic pain
Unique new wearable design blocks pain in the body

Quell stimulates dense clusters of sensory nerve fibers in the upper calf. This, in turn, activates descending pain inhibition systems in the brainstem.

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Precise, high-frequency nerve stimulation triggers a neurotransmitter cascade, starting in the periaqueductal gray matter and progressing to the rostroventral medulla and ultimately the dorsal horn of the spinal cord.

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Enkephalins, powerful endogenous opioids released during this process, inhibit pain signal transmission for a widespread analgesic response.

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Enkephalins target different pain receptors than prescription opioids, activating δ-opioid receptors, while prescription opioids act on the μ-opioid system.

Published evidence in support of intensive nerve stimulation:

- Lower Back and Leg Pain: Significant reduction in pain, as assessed by the visual analog scale²
- Diabetic Neuropathy: Significant reductions in pain and analgesic use³
- Fibromyalgia: Combined with exercise, decreased pain, fatigue, and stiffness⁴

References: