

MicroSleeve™ Pain Management

Hand and Wrist • Foot and Ankle

Wearable Therapy™
from Bioflex Electromedicine, Inc.

Description of the MicroSleeve™

The MicroSleeve™ is a custom-designed / custom-fitted electrode sleeve for upper or lower extremity pain. The MicroSleeve incorporates a miniature TENS/NMES device that delivers electrical impulses to the area of pain for full-time pain relief at home, work or play. The MicroSleeve is lead wire free which means the patient has total freedom to move.

Wearable Therapy Systems enable patients to use NMES (neuromuscular stimulation) and TENS (transcutaneous electrical nerve stimulation) for longer periods of time to maximize results. The systems are customized to produce an exact fit to the arm or leg as well as to optimize electrode placement. MicroSleeve electrodes automatically align over select muscle groups and dermatomes and stay in place at all times.

Indicated in Patients with:

- Chronic Pain of the Arm, Hand, Wrist, Ankle, Foot

The MicroSleeve can be used by patients with varying pain conditions. A pain evaluation conducted prior to fitting will determine how well the patient responds and whether the patient's function improves.



MicroSleeve is thin, flexible and light-weight and worn inside a shoe.

MicroSleeve enables patients to use the hand in most situations at home, work or play.

The ankle and foot is a particularly difficult area to treat with electrical stimulation. The foot must have the freedom to move repetitively without being restricted by lead wires or loose electrodes. The MicroSleeve delivers its stimulus to the ankle or foot through elastic conductors and flexible electrodes integrated into the garment and will not limit motion.

Many patients experience hand and wrist pain that does not respond to conventional forms of pain management. Electrical stimulation is a viable option for some. However, traditional electrical stimulation can be very cumbersome and restrictive when used to treat upper extremity pain. The MicroSleeve allows the arm to move freely encouraging the patient to be more active and perhaps more productive at work.

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