

Upper Extremity BioSleeve™ Pain Management with Continuous Physiological Motion

for Arm Pain Including Complex Regional Pain Syndrome

Wearable Therapy™
from Bioflex Electromedicine, Inc.

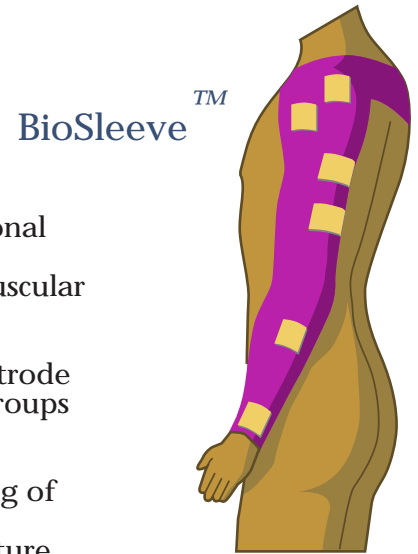
Description of the UE BioSleeve™ with CPM

The Upper Extremity BioSleeve is a custom fitted, wearable neuromuscular stimulation/TENS sleeve that stimulates multiple muscle groups for enhanced rehabilitation of patients with chronic pain of the upper extremity. Chronic pain conditions, including complex regional pain syndrome, can lead to disuse atrophy of muscle, diminished finger opening, inability to use the hand and arm in a functional manner, joint stiffness and contracture.

Wearable Therapy Systems enable patients to use NMES (neuromuscular stimulation) and TENS (transcutaneous electrical nerve stimulation) for longer periods of time to maximize the results. The system is customized to produce an exact fit to the arm as well as to optimize electrode placement. BioSleeve electrodes automatically align over select muscle groups and dermatomes and stay properly affixed during the day. The Sleeve is made without lead wires so the arm is free to move.

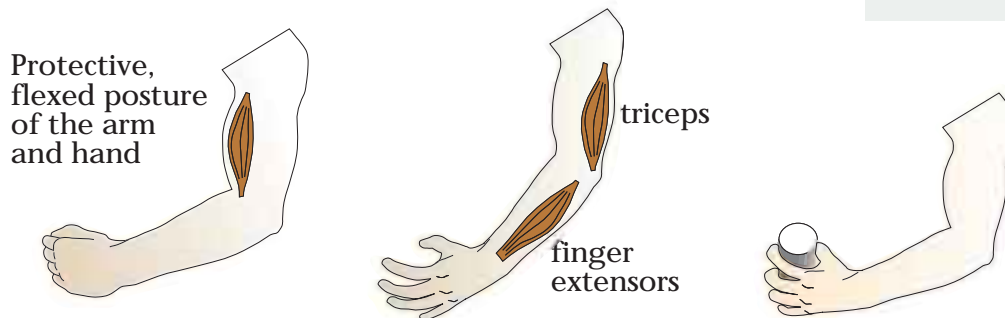
Chronic pain of the upper extremity discourages arm use. Opening of the hand can be very painful so patients may keep the fingers closed and maintain this posture continuously. This can develop in to a contracture of the wrist and finger flexors requiring ongoing rehabilitation and stretching to overcome.

The BioSleeve NMES/TENS System alleviates pain and at the same time stimulates the extensor muscles in a cyclical manner throughout the day. This movement reduces joint contractures, rebuilds muscle strength, improves circulation and facilitates the rehabilitation process.



Indicated in Patients with:

- Chronic Pain of the Arm
- Complex Regional Pain Syndrome



| Contracted Flexor Muscles | Cyclical Hand Opening with Stimulation | Improved Functional Use of the Arm |
|--|--|--|
| Chronic pain disorders commonly result in non-use of the arm and hand. The arm will typically assume a posture of flexion at the elbow, wrist and fingers. If untreated, a contracture of the joints will occur. | Cyclical stimulation of the triceps and finger extensor muscles combats soft tissue contractures by inducing stretch of the flexor muscles. The Bioflex UE BioSleeve opens the hand in a physiological way without being encumbered by a mechanical device. | The combination of good pain management and rehabilitation of the muscles and joints leads to improved functional use of the affected arm. |

Sold by or on the order of a physician.

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