

## Cionic Neural Sleeve 2

Powered by an entirely new stimulation paradigm, the Neural Sleeve 2 combines the diagnostic power of a gait lab with the therapeutic power of Functional Electrical Stimulation (FES) for movement and sensory stimulation for muscle spasm relaxation.

### The first mobility device to:

- Target the four major muscle groups of the leg
- Combine sensing, analysis, and AI-powered augmentation
- Activate functional muscle movement and relax muscle spasms at the same time
- Feature an award-winning “bionic clothing” design for easy, lightweight, discreet wear



For individuals with 20+ upper motor neuron conditions, including multiple sclerosis, stroke, cerebral palsy, and spinal cord injury.

## The Cionic Neural Sleeve 2 may also:



Facilitate muscle re-education



Prevent disuse atrophy



Improve range of motion



Increase local blood flow

## Thoughtfully Designed, from Software to Soft Goods

Software-steerable stimulation	Closed-loop system integrates electromyography (EMG) and kinematic data. Adaptive algorithms analyze and recalibrate every step to provide real-time adjustments to stimulation
Multiple Treatment Modalities	Many programs designed to target different needs and mobility levels <ul style="list-style-type: none"> <li>▪ FES Gait: range of protocols for various gait patterns</li> <li>▪ Afferent: relaxation of muscle spasms</li> <li>▪ FES Cycle: stationary bike protocol</li> <li>▪ NMES: exercise library for muscle strengthening</li> </ul>
CIONIC App	The intuitive iOS and Android application acts as both a telehealth platform between the user/provider and Cionic, as well as the command center for the Neural Sleeve 2 experience
Progress Tracking and Metrics	Daily, weekly, and monthly progress tracking, including gait speed, stride length, steps, and activity levels
Comprehensive Treatment	24 total electrodes for standard sizes - 6 per muscle group, with option for individual electrode configuration as needed

## Patient Considerations

- For home use, patient needs to be able to ambulate independently, with or without an assistive device
- Does not exclude patients who would use the device for seated exercises in-home and are working toward independent ambulation in physical therapy

## Contraindications

- Implanted demand-type cardiac pacemakers or defibrillators
- Use over malignant tumors
- Use over an existing thrombosis
- Use over a fracture or dislocation, or where movement is contraindicated

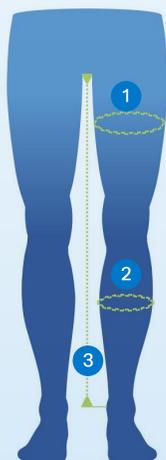


## Other Considerations & Precautions

- Limited hand dexterity for donning/doffing
- Recent or uncontrolled seizures
- Edema or swelling that could impact effectiveness of stimulation
- Areas of skin on the leg(s) that are frequently open or infected

## Taking Accurate Measurements

Use a measuring tape to help your patients take accurate measurements while standing



- 1 Upper Leg**  
Measure the circumference of the thigh, 11" from the center of your kneecap (should be close to the widest part of the thigh)
- 2 Lower Leg**  
Measure the circumference of the widest part of the calf
- 3 Inseam**  
Measure the distance between the groin and the ankle

### Current Sizing Chart:

	Thigh	Calf	Inseam
Extra Small	15" - 21"	9.5" - 14.5"	≥ 24"
Small	17" - 23"	11" - 15.5"	≥ 25"
Medium	19" - 25"	12" - 17"	≥ 25.5"
Large	22" - 28.5"	14" - 19"	≥ 26"
Hybrid LS	22" - 28.5"	11" - 15.5"	≥ 25.5"