



WalkAide[®] System

**Myo-Orthotics Technology™ for
the treatment of foot drop.**



**Independence.
One step at a time.**



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WalkAide: A major step forward in the treatment of foot drop.

WalkAide is a medical device that, after more than a decade in development, has received marketing clearance from the FDA for improving the walking ability of people experiencing foot drop. Invented by a team of researchers at a major university, WalkAide simulates the typical nerve-to-muscle signals in the leg and foot, causing the foot to lift at the appropriate time in the walking cycle. The resulting movement is a smoother, more natural, and safer stepping motion.



Advanced technology that is easy to use

A sophisticated medical device, WalkAide uses advanced sensor technology to actually analyze the movement of your leg and foot. The system then sends electrical signals to your peroneal nerve, which controls movement in your ankle and foot. These gentle electrical impulses activate the muscles to raise your foot at the appropriate time during the step cycle.



Although highly-advanced, WalkAide is surprisingly small and quite easy to use. It consists of a battery-operated, single-channel electrical stimulator, two electrodes, and electrode leads. WalkAide is applied directly to your leg—not implanted underneath the skin—which means no surgery is involved. A cuff holds the system comfortably in place, and it can be worn discreetly under most clothing.

Many people who try WalkAide experience immediate and substantial improvement in their walking ability, which increases their mobility, functionality, and overall independence.



Customized for your individual walking pattern

WalkAide is not a one size fits all device. Rather, a specifically trained medical professional is required to fit and customize WalkAide for you. Using WalkAnalyst, a multifaceted computer software program, the clinician will tailor WalkAide to your individual walking pattern for optimal effectiveness.



Muscle therapy exercise mode for home use

WalkAide is an all-inclusive device with a pre-programmable exercise mode that allows you to exercise your muscles while resting for a set period of time as prescribed by your doctor.

Only a doctor can prescribe WalkAide

Talk to your doctor to see if WalkAide might be right for you. If your doctor is unfamiliar with WalkAide, direct him or her to www.walkaide.com for more information.

Advantages of WalkAide

- Easy one-handed application and operation
- Small, self-contained unit that attaches to the leg below the knee
- Does not require orthopedic or special shoes
- May be worn barefoot or with slippers (upon approval of your healthcare provider)
- Minimal contact means maximum comfort with reduced perspiration
- May improve circulation, reduce atrophy, improve voluntary control and increase joint range of motion



Frequently asked questions about WalkAide

How will I know if WalkAide works for me?

Many people who try WalkAide experience immediate and substantial improvement in their walking ability. However, WalkAide cannot help everyone. The medical professional who fits WalkAide will program the device to suit your individual needs for optimal effectiveness.

What does the electrical stimulation feel like?

The electrical stimulation in WalkAide replaces the natural, nerve-to-muscle stimulation. Many people report a light tingling sensation during the period of stimulation when they are walking.

Do I use WalkAide 24 hours a day?

WalkAide can be worn all day, but it must be turned off and removed before going to bed at night, before showering and before going into the water.

How long does WalkAide work?

WalkAide's standard AA battery should last anywhere from one to three weeks, depending on how much you use the system. When the battery needs to be replaced, WalkAide will give you both an audio and visual warning.

Is WalkAide covered by my health insurance plan?

Health coverage varies from plan to plan. We suggest that you contact a representative of your own health plan to confirm their policy regarding WalkAide. Your WalkAide provider may be able to assist you in this process.

What if my insurance company does not cover the WalkAide or it requires a large copay?

Your WalkAide provider has a payment plan option available for you.



“Walking with my foot drop required so much energy that I always looked for a place to sit when I went out with my family. Now I can actually take my doctor’s advice and take more walks.”

—WalkAide user



About foot drop

Foot drop is a condition caused by weakness or paralysis of the muscles involved in lifting the front part of the foot. It makes walking a challenge, causing a person to either drag the foot and toes or engage in a high-stepping walk called steppage gait.

Foot drop is not a disease, but a symptom of an underlying problem. It is often caused by an interruption in the signal from the brain to the peroneal nerve. This nerve runs along the outside of the lower leg below the knee. People with multiple sclerosis (MS), spinal cord injuries and stroke may experience foot drop.

Treatment options for foot drop depend on the underlying cause of the condition. One of the more recently available treatment options is WalkAide, which uses Myo-Orthotics Technology.

Myo-Orthotics Technology™

The term Myo-Orthotics Technology represents the merging of orthotic technology, which braces a limb, with electrical stimulation, which restores specific muscle function. More than simply bracing a limb to improve mobility, devices using Myo-Orthotics Technology actually restore the functionality of an impaired limb by recreating a natural nerve-to-muscle response using electrical stimulation.

Generally speaking, medical devices employing Myo-Orthotics Technology are worn on the skin, rather than implanted under the skin, which means surgery is not involved. And because Myo-Orthotics Technology re-establishes communications between nerves and muscles, the result is a more natural movement of the affected joint.

Using Myo-Orthotics Technology offers greater potential for increased mobility, functionality, and freedom for those dealing with conditions like foot drop.



Innovative Neurotronics, Inc.

Innovative Neurotronics brings Myo-Orthotics Technology products, developed at major research centers and universities worldwide, to the people who need them. Medical devices such as WalkAide, which employ Myo-Orthotics Technology, improve the functionality of an impaired limb for better mobility and increased freedom.

For more information about WalkAide or to locate a Patient Care Center in your area, visit our website at www.ininc.us



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WalkAide[®] System

For Your Doctor

Introducing WalkAide

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WalkAide: A major step forward

Medical professionals treating patients presenting with foot drop now have the option of prescribing WalkAide. WalkAide addresses the lack of ankle dorsiflexion secondary to an upper motor neuron lesion. People who have suffered a stroke, spinal cord injury, or disease process associated with disruption of the upper motor neuron system may benefit from this technology.



Using sophisticated sensor technology and software, the WalkAide® System analyzes the unique movement of the leg and foot in the individual with foot drop. Based on that analysis, WalkAide creates a unique stimulation pattern for walking, then sends appropriate functional electrical stimulation (FES) to the common peroneal nerve as it passes near the head of the fibula.

This stimulation activates the muscles that dorsiflex the foot at the appropriate time during the gait cycle, producing a much more natural, efficient, and safe pattern of walking.

WalkAide is comfortable, small, and discreet, designed for one-handed application, and easy for most individuals to use. It is applied directly to the leg below the knee and can be worn under most clothing.

“Walking with my foot drop required so much energy that I always looked for a place to sit when I went out with my family. Now I can actually take my doctor’s advice and take more walks.”

— WalkAide user

WalkAide patient benefits

- Activates the intact portion of the neuromuscular system to generate movement
- Reduces the increased effort associated with walking with foot drop by stimulating and controlling foot/ankle alignment during the swing phase of the gait cycle
- Small, self-contained unit offers easy, one-handed application and operation
- Does not require orthopedic or special footwear
- Includes an exercise mode that allows a home-based therapeutic program
- May improve circulation, reduce atrophy, improve voluntary control, and increase joint range of motion



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in the treatment of foot drop.



Customized for the individual patient

A credentialed and trained medical professional is required to fit and program WalkAide to maximize the walking potential for each patient.

A peripheral nerve stimulator is used to find the appropriate stimulation site of the common peroneal nerve to stimulate dorsiflexion and create a natural gait for the patient.



Once WalkAide is correctly positioned on the leg, it is then programmed using a software program called WalkAnalyst.

Ongoing follow-up with a WalkAide clinician allows the system to be re-optimized as necessary to maximize outcomes for the user.

Indications

Individuals with foot drop associated with the following central nervous system conditions may benefit from WalkAide:

- Cerebrovascular accident
- Incomplete spinal cord injury or lesion
- Traumatic brain injury or chronic brain lesion
- Multiple sclerosis
- Cerebral palsy
- Other upper motor neuron lesions



A thorough evaluation by a specially trained WalkAide clinician, in conjunction with a rehabilitation team, will provide the final determination of the patient's suitability for the WalkAide® System. If your patient is found to be a good candidate for WalkAide, trial fittings can verify effectiveness during this orthotic clinical evaluation.

NOTE: People with pacemakers or who suffer from seizures should not use WalkAide.

Rx

A prescription from you is required for your patient to receive a free evaluation from a trained WalkAide clinician to determine if WalkAide is an appropriate treatment. (Rx forms were provided to the patient in an informational kit, and should have been presented to you along with this booklet.) To find a WalkAide clinician in your area, you, or your patient, can visit www.WalkAide.com.



As the unrivaled leader in the field of Myo-Orthotics Technology,[™] Innovative Neurotronics, Inc. (IN) brings emerging neuromuscular technologies, developed at major research centers and universities worldwide, to the people who need them.

Myo-Orthotics Technology represents the merging of orthotic technology, which braces a limb, with electrical stimulation, which restores specific muscle function. Devices that employ Myo-Orthotics Technology, such as WalkAide, use functional electrical stimulation (FES) to improve the functionality of an impaired limb. This increased functionality has the potential to allow people to reach their highest levels of independence.

For more information, visit www.walkaide.com.



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