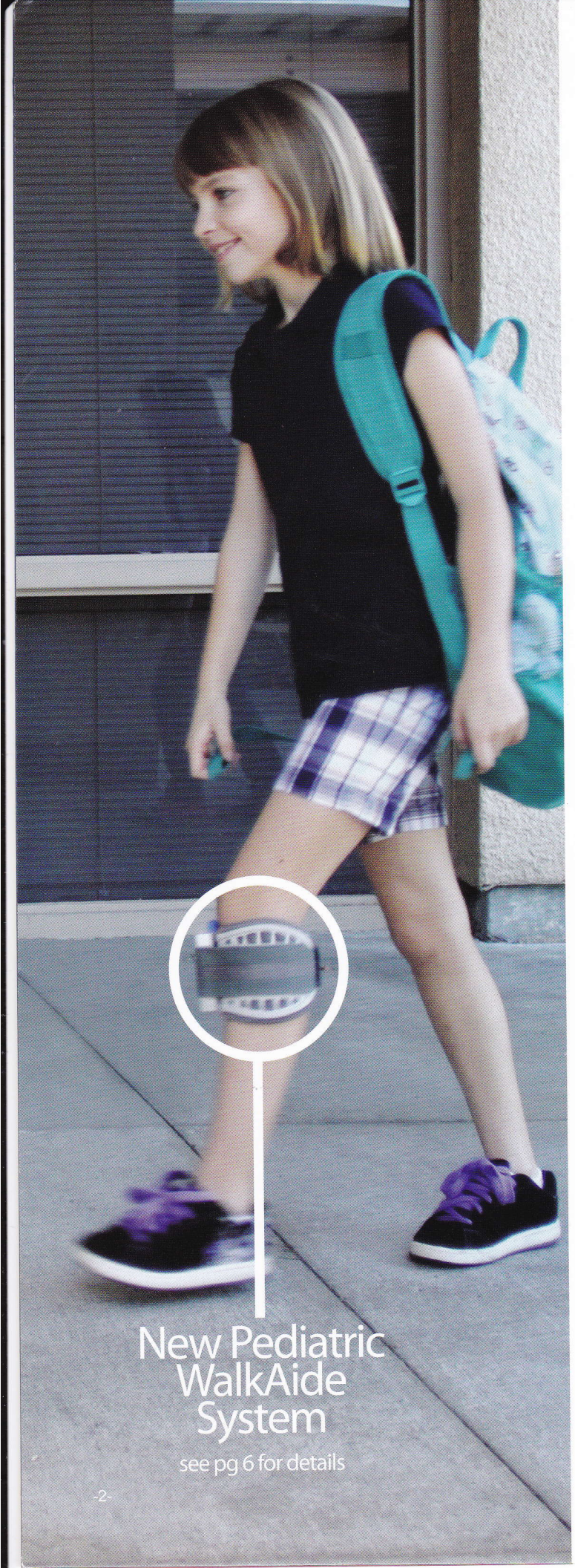
The New WalkAide® System

Independence One Step at a Time

SPS
Experience Our Commitment

Right for Your Patient. Right for Your Practice.



WalkAide: The Dynamic

WalkAide can replace a traditional foot brace to re-engage a persons existing nerve pathways and muscles.

The recruitment of existing muscles results in a reduction of atrophy and walking fatigue - a common side effect of foot bracing.

The WalkAide System is an advanced Functional Electrical Stimulation (FES) System for the treatment of Foot Drop caused by upper motor neuron injury such as:

- Multiple Sclerosis (MS)
- Stroke (CVA)
- Incomplete Spinal Cord Injury
- Cerebral Palsy (CP)
- Traumatic Brain Injury (TBI)

Utilizing a patented tilt sensor technology, the WalkAide stimulates the common peroneal nerve to lift the foot at the right time during the gait cycle, prompting a more natural, efficient, and safe walking pattern. WalkAide users have the freedom to walk with or without footwear,up and down the stairs, and even sidestep.

Higher Standard of Care

The benefits of FES, as an active dorsiflexion assist system, are becoming more evident through published research, resulting in an increased demand for this technology in the medical community. The WalkAide is a dynamic therapeutic option that never stops working. Offering the WalkAide helps position your practice as a cutting-edge healthcare provider.

Alternative to Bracing

Proven Clinical Outcomes

Help Improve the Way People Live, Play and Work

- Improves walking speed with less fatigue
- Improves gait quality
- Reduces atrophy
- Improves circulation, muscle condition, and bone density

"I have found it to be an incredible device that has improved my walking to the point that I can now power walk."

– Julia Fox Garrison
Author, Stroke Survivor

Comparison of Benefits of Functional Electrical Stimulation vs. Ankle Foot Orthosis for Foot Drop

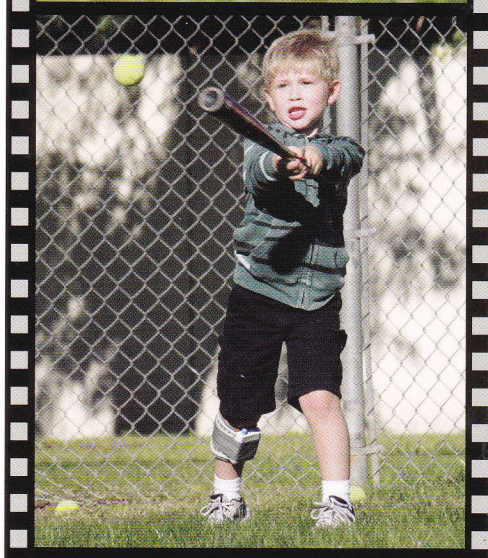
Benefits	FES	AFO
Reduces foot drop	YES	Yes
Improves gait mechanics	YES	Yes
Prevents loss of passive ROM	YES	Yes
Prevents loss of active ROM	YES	No
Active muscle contraction	YES	No
Slows muscle atrophy	YES	No
Promotes motor learning	YES	No
Promotes neuroplastic changes	YES	No

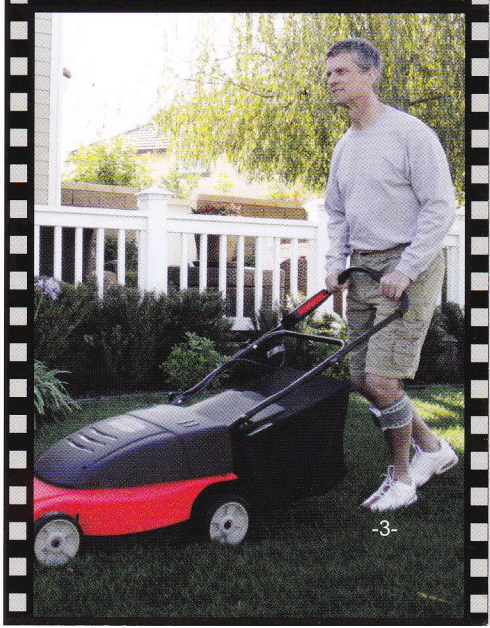
AFO = ankle foot orthosis • FES = functional electrical stimulation • ROM = range of motion

"Immediately, within just those few months after getting the WalkAides, you could see the improvement in her posture. She was a bit more upright; she was able to pick up her feet when she was walking."

– Mother of Amber Konkol,
15 year-old with Cerebral Palsy,
Bilateral WalkAide user

Data on file, IN Inc.





The All-New WalkAide

The Most Advanced FES System Available

The WalkAide System features several technological advantages that simplify the treatment for both patient and clinician:

- Self-contained system – Does not require the use of remotes, heel sensors or external wires
- Single battery operation – Operates up to 30 days on one AA battery, with no need for nightly recharges
- Patented Accelerometer - Accurately analyzes leg movement to help promote a natural walking pattern
- Freedom in footwear option – Wear almost any type of shoe, or no shoes at all

WalkAide Netbook Now Available

- Eliminates Challenges & Simplifies Programming
  - Isolates WalkAnalyst software to eliminate interferences
  - Bypass IT restrictions
  - Small/lightweight for added mobility
- Secure, Reliable Connection w/ integrated bluetooth adapter
- Effective Support provided by integrated Webcam

"The WalkAide has furthered my patients' total recovery and allowed them to have more mobility versus traditional bracing. I prescribe the WalkAide for my patients because I want to maximize their outcome."

– Dr. Joe Urquidez,
Physical Medicine & Rehabilitation

A New Level of Simplicity

The All-New WalkAide Bi-Flex™ Cuff

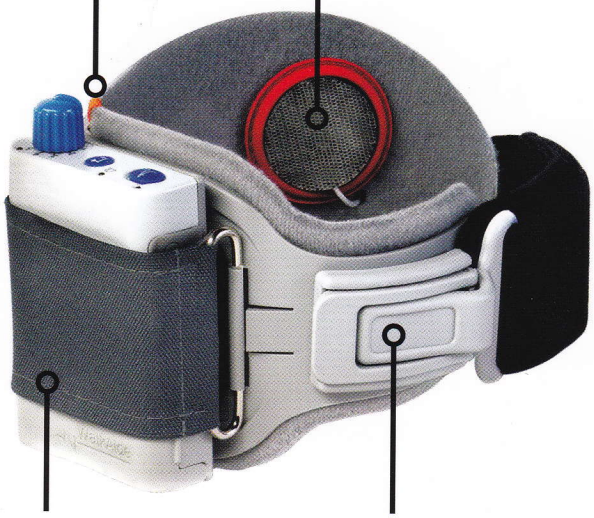
Accurate and Simple One-Handed Donning & Doffing.
Reproducible Outcome Both In Clinic and At Home

Washable Liner promotes patient comfort and hygiene

Vented Design allows for increased air circulation and better breathability

Visual Indicator helps accurately align the WalkAide System for consistent positioning

Electrode Locators help assure precise electrode placement for optimized stimulation



Unique Dual Durometer Construction

Rigid side helps secure the cuff with easy one-handed operation. Soft side conforms to the leg for total electrode contact

Universal Fit can be used on either left or right leg – available in three comfortable sizes

Easy-to-Use Latch securely holds the cuff to the leg for consistent placement

The All-New WalkAnalyst™ 3.0

Full Analytical Functionality Delivered in a Simple Environment

- 3-step programming – Reduce evaluation time significantly
- Detailed gait analysis – For delivering superior results
- Calculate walking speed – Track patient progress
- Seamless Bluetooth connectivity – If you are disconnected during programming, you do not lose data
- Better operating system compatibility – Windows 7 & Vista

Decreased locomotion is predictive of reduced capacity for activity, participation and social interaction.

Willoughby, K. Dodd K, Shields, N Foley, S. Arch Phys Med Rehab. 2010 Mar, 91:333-338

The Kid-friendly FES

The New Pediatric WalkAide features several key advantages not found in other FES systems:

- Pediatric Cuff: Designed to fit small children.
- Pediatric Programming Options: Amplitude, Frequency, Pulse Duration settings for sensitive cases; well-tolerated.
- Personalized Solution: Adaptive program & modular components through growth and maturity.
- Self-Contained System: Single unit system with no extra pieces, ideal for playful kids.
- Single Battery Operation: Operates up to 30 days on one AA battery, with no need for nightly recharges.
- Patented Accelerometer: Promotes natural, efficient,and safe multidirectional walking.
- Freedom in Footwear Option: Allows kids to have more freedom in footwear or no shoes at all.

With a new pediatric cuff and pediatric-friendly programming options, the New Pediatric WalkAide is the ideal solution for mobility needs & rehabilitation of the growing child. An alternative to traditional bracing, FES actively engages existing nerve pathways and muscles in children whose Foot Drop is caused by:

- Cerebral Palsy (CP)
- Stroke (CVA)
- Tramatic Brain Injury (TBI)
- Incomplete Spinal Cord Injury
- Multiple Sclerosis (MS)
- Hereditary Spastic Paraplegia (HSP)

Positive Feedback with Every Step

Early intervention with the WalkAide reduces mobility constraints and promotes optimal development. It compliments patient driven-activities with **biofeedback, repetitive sensory motor stimulation, and active muscle contraction.**

The New Pediatric WalkAide System: Dynamic Alternative to Bracing

Washable Liner promotes patient comfort and hygiene

Vented Design allows for increased air circulation and increased breathability

Customizable Strap Kid-friendly optional ribbons*

Unique Dual Durometer Construction Rigid side helps secure the cuff with easy one-handed operation. Soft side conforms to the leg for total electrode contact

Visual Indicator helps accurately align the WalkAide System for consistent positioning

Electrode Locators help assure precise electrode placement for optimized stimulation

Easy-to-Use Latch securely holds the cuff to the leg for consistent placement

Encouraging Kids to be Kids

The active muscle contraction produced with the Pediatric WalkAide System will result in a more efficient, controlled, and balanced walking pattern. Free from bulky AFO's, the Pediatric WalkAide System can give kids the confidence to engage in social activities they once avoided.

**Ask your Orthotist about the strap ribbon options*

Recent studies have shown the use of Functional Electrical System (FES) offers benefits including:

- Improves Walking Speed
- Improves Gait Quality
- Reduces Atrophy
- Improves Circulation and Muscle Condition
- May Promote Natural Bone Growth*
- May Delay or Prevent Surgical Intervention**

*With active muscle contraction **With reciprocal inhibition of antagonist

The new Pediatric Cuff & Pediatric-friendly programming options provide the ideal rehabilitation tool for children with foot drop.

WalkAide Technical Specifications

Size	8.2 cm (H) x 6.1cm (W) x 2.1cm (T)
Weight	87.9g
Calf Circumference - Peds	7.5" - 10" (Min - Max) p/n: 20-0240B
- Small	10" - 15" (Min - Max) p/n: 20-0250
- Medium	11" - 17" (Min - Max) p/n: 20-0260
- Large	12" - 19" (Min - Max) p/n: 20-0270
Power Source	One 1.5 volt Alkaline AA battery (LR6)
Maximum Current	200 mA at 500 ohm; 121 mA at 1 K ohm
Maximum Voltage	121 V a 1 K ohm: <150 V at 1 M ohm
Number of Modes	2- Exercise, Walking
Number of Channels	1
Pulse Type	Asymmetrical Biphasic
Pulse Width	25-300 microseconds (adjustable)
Frequency Range	16.7 - 33 Pulses per second (adjustable)
Maximum Stimulation Period	3 seconds
Stimulation Trigger Source	Tilt or Heel Sensor
Controls and Indicators	• ON/OFF Intensity; Stimulation, Exercise • Error
Shipping & Storage Conditions	Device (Long Term) Temperature: -4° to 140° F Rel. Humidity: 95% max, non-condensing Electrodes (Long Term) Temperature: 41° to 80.6° F Humidity: 35- 50% Electrodes (Short Term - less than 1 mo.) Temperature: 32° to 104° F Humidity: 35- 50%

INNOVATIVE NEUROTRONICS

SPS

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