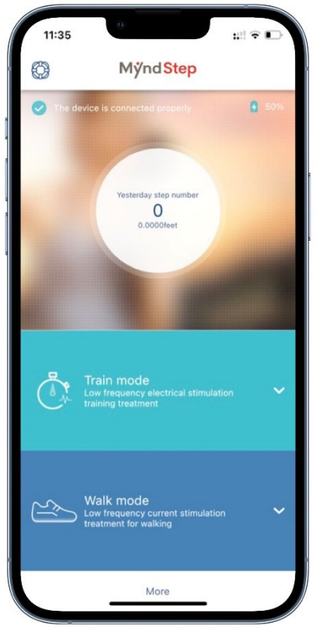
Two Modes

Train Mode:

- For a patient who is unable to do active training, transitioning from passive training to walking training.
- This mode is ideal for muscle training when sitting or lying down.
- The purpose of this mode is to accelerate muscle recovery, reduce disuse muscle atrophy, maintain and improve the ankle range of motion, and enhance local blood circulation.

Walk Mode:

- The MyndStep system performs peroneal nerve stimulation which facilitates dorsi-flexion of the foot and toes. The electrical stimulation will restore neurological motor function with enhancement of the swing phase during gait and correction of the foot drop.
- This will enforce motor learning with pre-gait, early gait and gait training, and with functional activities.
- Also, this will promote a person's confidence with walking within the home and community.



Technical Specifications	
Modes	Train Mode, Walk Mode
Output Waveform	Symmetrical biphasic pulse
Pulse Duration	Adjustable, 50-500 µ, stepping 10 µs
Pulse Frequency	1-120 Hz
Intensity	0-100 mA
Battery	Rechargeable Lithium Battery

MyndTec
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1-888-363-0581 or 905-363-0571

100127 Rev. 1.1

MyndStep

Foot Drop System

Restoring Independence,
One Step At A Time.

MyndTec

MyndStep

Foot Drop Therapy

MyndStep is intended to provide ankle dorsiflexion in individuals who have dropped drop foot as a consequence of an upper motor neuron injury. An accelerometer and inclinometer is used to signal stimulation of the common peroneal nerve to faciliate a motor output – ankle dorsiflexion – which clears the foot and toes of the ground's surface.

Applications

- Training Mode -Neuromuscular electrical stimulation will address disuse muscle atrophy, and deconditioned nerves and muscles. The goal is to increase adequate muscle force and muscle endurance.
- Improve efficiency with walking to conserve energy
- Improve the quality with walking by reducing compensation of hip, knee and foot movements
- Enforce motor learning during pre-gait and gait training, and functional activities .

Features

Wireless Bluetooth Connection

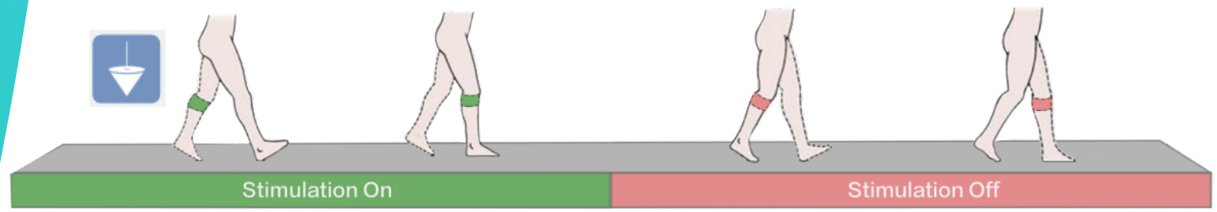
- Quick, easy and convenient connection to facilitate quantitative motion data.

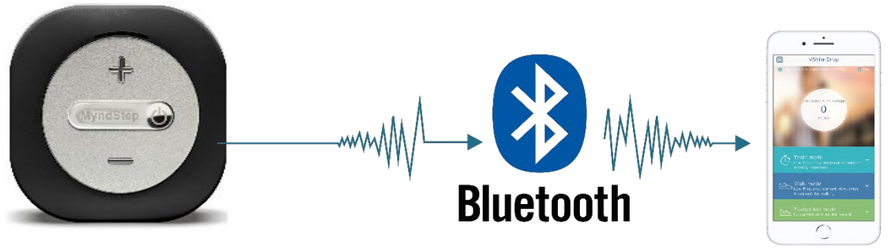
Small Unit

- Small and portable unit, usable with straps. It can be used for a prolonged time without a sense of heaviness while walking.

Built- in Smart Sensor

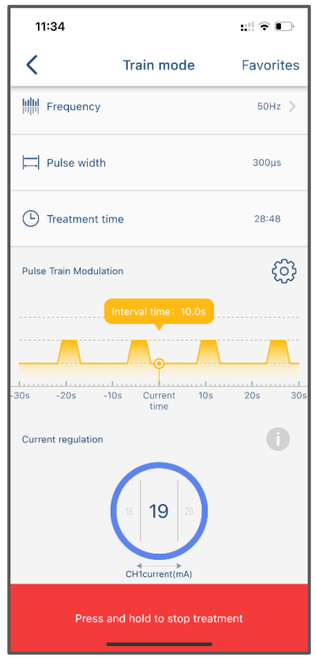
- The built- in gyroscope and acceleration sensor control the timing and duration of electrical stimulation by tracking the swing angle and pace of the patient's leg.





Advantages

- Lightweight & easy carrying device host;
- Easy placement, magnetic electrodes;
- Bluetooth connect, controlled by smart phone or tablet;
- Independent operation, even without phone/tablet;
- Rechargeable Li battery, USB charging port, meet whole day use;
- Easy iOS or Google Play App download.



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MyndStep
Foot Drop System