

What is PoNS?

Portable Neuromodulation Stimulator (PoNS), is an innovative, non-surgical treatment option that helps people with MS or chronic stroke improve their walking.

It includes a controller and mouthpiece that delivers mild stimulation to the surface of the tongue, which sends signals to areas of the brain involved in balance and movement.



Step-by-Step Support

PoNS Therapy is a 12-14 week program.

You use the device at the clinic and at home, with help from a physical therapist. You'll do simple exercises to help improve your walking.



Personalized Plan



Use at Home



Guided by a therapist



Gentle, easy to use

PoNS[®]

Portable Neuromodulation
Stimulator

Start your PoNS Therapy Journey

Contact 855.918.1582
or visit PonsTherapy.com



YouTube

References: 1. Tyler ME, Kaczmarek KA, Rust KL, Subbotin AM, Skinner KL, Danilov YP. Non-invasive modularization to improve gait in chronic multiple sclerosis: a randomized double blind controlled pilot trial. *Journal of NeuroEngineering and Rehabilitation*. 2014;11(1): 1-10. 2. Heliuss Medical, Inc Portable Modularization Stimulator (PoNS) Real World Evidence Study, August 2, 2020

Indication for Use: The PoNS device is indicated for use as a short term treatment of gait deficit due to mild to moderate symptoms from multiple sclerosis and is to be used as an adjunct to a supervised therapeutic exercise program for adults 22 years of age and over by prescription only. The PoNS device is indicated for use as a treatment of dynamic gait deficits due to chronic symptoms from stroke and is to be used as an adjunct to a supervised therapeutic exercise program in patients 22 years of age and over by prescription only.

The PoNS device delivers electrical stimulation directly to the surface of the tongue. Precautions for use are similar to those for wearable electrical stimulation medical devices. Electrical stimulation should not be used: if there is an active or suspected malignant tumor, in areas of recent bleeding or open wounds, and in areas that lack normal sensation. The PoNS has not been tested on, and thus should not be used by individuals who are pregnant. Do not use the PoNS if you are sensitive to nickel, gold or copper.

Full prescribing information can be found in product labeling or at <https://bionessmedical.com/pons/safety-information/>.

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PoNS[®]

Portable Neuromodulation
Stimulator



New Pathways.

New Possibilities.



 **bioness[®]**

LEARN MORE



Pathways to a Life Reimagined

Move with More Confidence

100%
improved
walking scores¹

58%
saw strong
improvement²



Hope is a dangerous thing with MS, so I entered PoNS Therapy with cautious optimism. My caution turned to encouragement as I saw improvements in my gait. I now experience periods in my day where I walk up the stairs normally.

— Kevin, PoNS MS Patient

The Science Behind PoNS:

Did you know that your tongue has nerves that connect to your brainstem?



Tongue Stimulation: When the PoNS device is on, the electrodes on the mouthpiece send mild electrical impulses through the tongue, which stimulates two cranial nerves connected to the tongue. This process is called neurostimulation or TLNS.



Cranial Nerves: The electrical stimulation of these cranial nerves creates a flow of neural impulses that are delivered directly into the brainstem and cerebellum—the body's movement control center.



Brainstem: From the brainstem, these impulses travel throughout the brain and activate neurons and pathways involved in regulating motor function.



Neuroplasticity: The PoNS device along with physical therapy initiates a cascade of changes in multiple brain regions. Consistent application of PoNS Therapy provides a sustained neuromodulatory effect resulting in neuroplastic changes.

