

HealthSouth Lakeshore NESS L300™ Neuroprosthesis



Foot drop occurs when the muscles that raise the foot are too weak to clear the toes during walking. As a result, the toes drag downward and interfere with normal walking. Foot drop causes instability, diminishes walking speed and increases the risk of falling.

The NESS L300™ Foot Drop System

This technology is making great strides in HealthSouth Rehabilitation Hospitals throughout the country, helping patients and therapists achieve goals with superior results. HealthSouth Lakeshore Rehabilitation Hospital is proud to offer the NESS L300, Functional Electrical Stimulation (FES) technology that can help individuals with life-altering neurological disorders regain lost mobility and independence.

The Design – How it works

The NESS L300 is an advanced neuroprosthetic designed to enable a more natural gait and a return to a more normal lifestyle. Its advanced technology restores natural ankle movements and increases overall stability during ambulation by stimulating the muscles and nerves of the lower leg, thus producing a more natural lift of the toe during ambulation.

The NESS L300 is a low-profile device worn on the lower leg and foot. The system features the Intelli-Sense™ gait sensor which provides real-time dynamic gait recognition, allowing patients to automatically adjust to different surfaces, walking speeds and uneven ground.

Its streamlined, compact design includes no bulky wires or connectors and is easy to put on and take off with one hand. Users can also enjoy wearing a variety of footwear, with minimal limitations.

Benefits

By adding the NESS L300 to therapy sessions, patients may improve gait, facilitate muscle re-education, reduce atrophy, and increase joint range of motion and local blood flow.

The NESS L300 consists of three components:

- Electronic orthosis
- Control unit
- Gait sensor

Indications

- Stroke
- Multiple sclerosis
- Traumatic brain injury
- Incomplete spinal cord injury
- Cerebral palsy
- Central nervous system injuries

For more information or to make a referral, please call 205 868-2025.

A Higher Level of Care

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