

Bioness PT referrals

**What: Bioness L300 Functional Electrical Stimulation Unit to facilitate improved gait
Available at CHKD Therapy Services**

Where: The CHKD Kempsville and Oyster Point locations are available to evaluate and treat patients with a functional electrical stimulation unit from Bioness called The L300.

How: The Bioness L300 unit stimulates the common peroneal nerve, activating the tibialis anterior muscle to assist with ankle dorsiflexion and lifting the foot to clear the floor during ambulation. This wireless device utilizes an in shoe gait sensor to target stimulation at the optimum point of the gait cycle in real time, making improved ambulation and weight shift possible for many children.

The Bioness unit can also be used for neuromuscular re-education of the muscle when set in a “training” mode which triggers the muscle in an NMES manner. Another feature of the device allows the clinician to turn the device on and off as desired during treatment sessions to improve lateral weight shifts, stepping, and various other standing activities.

Who: Bioness L300 is appropriate for:

- Patients with foot drop due to an upper motor neuron injury
- Patients must have ankle DF PROM to neutral
- Not appropriate for peripheral neuropathies
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When: If bracing and Bioness are being considered please refer for BIONESS evaluation first. If successful, the child’s bracing needs will be different than if the Bioness is not a practical tool for the child.

Equipment:



- Bioness L300
 - Lower Leg Cuff (with reusable electrodes)
 - Gait Sensor (placed in child’s shoe)
 - Wireless Portable Control Unit

Fax referrals for ‘BIONESS PT EVALUATE AND TREAT’

fax #: 668-7389