

Assessing and Treating Balance Control & Mobility with **LiteGait® Training Device**

The LiteGait® is a training device that simultaneously assists with posture, reduces weight-bearing, reduces concerns for balance, and facilitates the training of coordinated lower-extremity movement. Its unique harness design permits unilateral or bilateral support, allowing progression of the weight-bearing load from up to full-weight bearing, and for the clinician to manually assist the legs and pelvis to achieve proper gait patterns.

Individuals who may benefit from the LiteGait® training include those with:

- Neurological impairments (stroke, spinal cord injury, traumatic brain injury, Parkinson's disease, Guillain-Barré, multiple sclerosis)
- Orthopedic impairments (total hip arthroplasty, total knee arthroplasty, amputation)
- Cardiovascular impairments (endurance, post-operative)

How does the LiteGait® work?

The LiteGait® harness is fitted to the patient and then attached to the suspension system. Any amount of the patient's body weight can then be supported by elevating the suspension system. The suspension system can be locked to minimize the movement of the trunk and pelvis for individuals needing stability or adjusted to allow for varying degrees of freedom of the trunk and pelvis. The patient can then practice walking either over ground or on a treadmill.

What are the advantages in using a LiteGait®?

The system can provide clinicians and patients with the ability to:

- Minimize the risk of patient falls
- Begin gait-training earlier in the rehabilitation process and at a lower level
- Achieve controlled reduction of weight-bearing and posture to correct asymmetric movement
- Facilitate proper gait patterns including symmetry and weight-shifting
- Train coordination without balance concerns
- Provide efficient treatment in a safe environment while minimizing the number of clinicians required for treatment
- Work on gait, standing, sit to-and-from standing
- Lift patients to standing from chair or mat



MARIANJOY

Assistive
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The **Marianjoy Assistive Rehabilitation Technology Institute** offers solutions to everyday problems of daily living encountered by individuals with disabilities. The Institute consists of seven distinct centers, which apply advancements in technology to benefit individuals with disabilities through maximizing functional independence, as well as expanding educational, vocational, recreational, and communicative opportunities.

- **Assistive Communication and Daily Living Center**
- **Balance and Vestibular Center**
- **Driver Rehabilitation Center**
- **Gait Analysis and Mobility Center**
- **Prosthetic and Orthotic Center**
- **Swallowing and Voice Center**
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To make an appointment
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630-909-7150
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