

Portable Harness Ambulatory System

Portable Harness Ambulatory System is a gait supporting aid for patients undergoing gait rehabilitation. It helps in eliminating/minimizing fall and fear of fall in patients during rehabilitation therapy. It is used in physical therapy and exercise training for people with neurological or musculoskeletal injuries or muscle weakness. It supports patient by using a body harness and patient is lifted partially against gravity. The amount of support provided is dependent on the musculoskeletal strength and stability of the patient. Suspension systems function by offsetting a percentage of body mass while providing balance Support. Gait rehabilitation therapy/training using Portable Harness Ambulatory System (PHAS) are more effective and efficient.

Proposed Advantages:

- Early gait rehabilitation
- Less exhausted hence more therapy time
- Better gait alignment
- More repetitive practice
- Patient is more free to do movement experiments
- eliminating/minimizing fall and fear of fall

Features:

- Controllable and modular design which adjusts geometry according to patient needs
- Compatible with support for lifting patient from seated position such as a wheelchair
- Includes adjustable parallel arm supports / hand rails and control boards accessible from either side of machine.
- Supports patients weighing from 60kgs to 180kgs.
- Includes support for vest size 65-140 cms (adults) and 40-90 cms (children)

