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*A genuine stroll
with independent
control...*

What does FreeGait® do?

- FreeGait® is an exoskeleton device designed for the mobilization of individuals with walking disabilities and the restoration of lost motor functions.
- FreeGait® enables the patient to be mobilized by actively controlling the hip and knee joints.
- With its adjustable femur length, tibia length, hip width and interchangeable connection apparatus, it allows the use of patients of different heights and weights.
- Through its two interchangeable battery interfaces, FreeGait® allows uninterrupted rehabilitation.



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Who is FreeGait® suitable for?

FreeGait® is an exoskeleton system used in spinal cord injury rehabilitation, developed to help improve mobility and function.

It is adjustable to different body sizes and allows multiple patient use in a controlled clinical environment (e.g. gait lab, rehabilitation center) under the supervision of a healthcare professional. The device must be used under the supervision of trained personnel in accordance with the user manual supplied with the device. The device is not suitable for personal use.

The system is controlled by means of the forearm control provided for patient use and/or by means of a control assigned to the operator. FreeGait® provides the patient with the ability to stand, sit, walk, climb and descend steps and turn left and right.

The balance of the device and the user is ensured by patient-controlled crutches and handles placed on the device to facilitate the operator's work and ensure patient safety. For effective use of the device, the patient must learn to transfer weight and balance with FreeGait®





Patient height range : 160 cm to 190 cm

Patient weight limit : Max. 100 kg

Hip width : 30 cm - 44 cm

Operation time : Uninterrupted rehabilitation with replaceable dual battery system

Modes of use :

- Sit-stand
- Walking and approaching steps
- Ascending and descending steps
- Left and right turn
- Various speed and step lengths
- Free, locked and emergency modes

Control interfaces :

- Wireless crutch controller with sound, display and vibration
- Touch screen and wired operator control with advanced control features
- Pushbuttons for audible feedback and safe control of gripping areas
- RJ45 port for updating, checking software and reviewing logs

Materials : Aerospace series aluminum and carbon fiber material structure of the carrier parts and housing

Biocompatible PA12 plastic and textile parts for body contact surfaces

Standart package contents : In a durable storage box:

- Device stand
- Ready-to-use device
- 2 battery packs
- 1 charger
- 1 piece wired operator control
- Two crutches, one with remote control
- Crutch controller charging cable
- 2 different sizes of back support padding set
- Additional cushions for leg holders
- Cloth bags to keep materials in bulk
- Optional shoulder and upper body connections



Indications:

Before use, ensure that the patient meets the following requirements:

- The patient must be able to support crutches or walker with hands, arms and shoulders.
- The patient should have healthy bone density.
- There should be no fractures in the skeletal system.
- The patient must be able to stand with the support of a device such as a standing stand.
- General health condition should be good.
- Patient height should be between 160cm and 190cm.
- Patient weight should be maximum 100kg.

Contraindications:

- Patients with severe neurological injury excluding spinal cord injury (e.g. MS, CP, ALS, TBI)
- Simultaneous occurrence of multiple serious medical conditions: infection, circulatory disorders, heart-lung problems and pressure sores
- Severe spasticity (Ashworth 4)
- Unstable spine or unhealed fractures of the limb or pelvis
- Heterotopic ossification
- Severe contractures
- Presence of psychological or cognitive conditions that may prevent proper use of the device
- Pregnancy



FreeGait®...

Lightweight, easy to carry, takes up little space

Ready to use in 10 minutes.

Provides precise adjustment of hip, femur and tibia dimensions in accordance with the use of each patient

Enables walking on actual ground.

It can be used in acute and chronic phases of rehabilitation.

Its single battery charges in approximately 1 hour and offers uninterrupted rehabilitation with its dual battery system.

It provides practical control with crutch and operator controllers.

Adjustable speed and step length options are available.

Maintains contact with the ground during position transitions with composite foot plate.



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