

Just Walk



JUST WALK™ - Your Path to Natural Movement



Discover **JUST WALK** – the innovative rehabilitation device brought to you by **Salute Rehab Ltd**, developed and manufactured by **Chaban Medical Ltd**, transforming the way gait and upper limb recovery is achieved.

Our advanced technology enhances **proprioceptive awareness** – the body's sense of its position in space – and enables natural re-learning of correct movement patterns.

From basic daily functions to complex physical activity, **JUST WALK** guides patients through an intuitive rehabilitation journey. By stimulating innate movement instincts, the system supports efficient and targeted motor recovery.

The system is suitable for both clinical and home use, is **approved by the Israeli Ministry of Health and the U.S. FDA**, and is **manufactured in Israel in accordance with ISO 13485:2016 standards**.

Restore Movement. Rebuild Confidence. Return to Life.



CVA (Stroke)
TBI (Traumatic Brain Injuries)
SCI (Spinal Cord Injuries)
Foot Drop
Parkinson
MS (Multiple Sclerosis)
CP (Cerebral Palsy)
Orthopedic
Old age, Proprioception Disorder



Quick-Release Support Belt

Ergonomic fastening system securely anchors resistance rollers to patient's body through rapid-connect mechanism.

Dynamic Resistance Unit (Roller) -

Provides continuous linear and adjustable tension on the muscles increasing both proprioception and muscle strength

Tension Cord - Connects the roller to the foot sandal/upper limb handles

Adaptive Therapy Sandal - Multiple anchoring points for connecting the roller cable. Enabling most suitable treatment.



Key Advantages of JUST WALK™:

1. **Efficiency** - Accelerates rehabilitation outcomes through optimized therapeutic protocols
2. **Better Results** - natural & correct limb movement – works on the whole walking cycle.
3. **Versatile Application** - Suitable for both lower and upper limbs.
4. **Dual - Action Therapy** - Simultaneously enhances neuromuscular learning and strength development
5. **Affordable** - Cost - Effective Solution.
6. **Intuitive Operation** - no cognitive effort
7. **Maximum Safety** - Smooth, controlled movement patterns eliminate impact stress
8. **Anytime, Anywhere** - suitable for homecare and clinics as one.
9. **Adjustable Force** - Variable resistance up to 14kg (31lb) of force per unit.
10. **Low Weight** - 1.5kg (3.3lb).

Pressure on leg produces enhanced signaling to the brain



Pressure on leg during movement

Instructions on how to use the leg muscles



How Does the System Work?

The JUST WALK system is based on a dynamic resistance mechanism activated by a magnetic field – with no motors or electrical components. As the patient moves the leg forward during the swing phase (from foot lift to ground contact), a metal disc rotates between two magnets inside the resistance unit. This rotation generates a magnetic flux, producing a linear, constant magnetic resistance that naturally adapts to the user's physical abilities. A high-functioning patient walking at a faster pace will generate higher magnetic flux – resulting in increased resistance.

The system also features four manually adjustable resistance levels (0–3), by varying the distance between the magnets surrounding the disc. In addition, the system provides an upward-directed tension that assists the patient in lifting the leg and flexing the knee, effectively supporting the entire gait cycle from swing to stance phase.

1. Enhancing Proprioception (Body Position Awareness)

Proprioception is a critical component of balance, limb positioning, and movement control. Impaired proprioception is common in neurological and orthopedic conditions and leads to instability, gait dysfunction, poor coordination, and a sense of disconnection from one's body.

The system improves proprioception through:

- Continuous resistance, stimulating proprioceptors in muscles, joints, and tendons.
- Active joint approximation along the vertical axis of the body – especially at the hip, knee, and ankle – which enhances positional and tactile awareness.
- Improved sensory input to the brain, promoting faster motor responses and better movement accuracy.

Clinical outcome: Improved balance, more precise movement, reduced reliance on vision, and a lower risk of falls.

2. Motor Learning – Re-Learning Movement Patterns

After a neurological injury, the brain often loses its “memory” of correct movement. Just Walk enables gradual restoration of functional movement patterns by:

- Applying smart mechanical resistance that adapts to walking speed – allowing the brain to correct motion errors in real time.
- Providing controlled repetition under varying conditions, which promotes stable neuroplastic adaptation.
- Delivering consistent sensorimotor stimulation, triggering central nervous system reorganization and long-term improvement – even after removing the device.

Clinical outcome: Restored gait symmetry, better limb coordination, improved ability to perform daily tasks, and smoother transitions between positions (e.g., sit-to-stand, initiating steps).

3. Muscle Strengthening

Although not the system's primary goal, the constant resistance generated by Just Walk demands active engagement of multiple muscle groups – including the upper and lower limbs and the core.

- Movement-dependent resistance activates weak muscles precisely and safely.
- Functional training (walking, stair climbing, lateral steps, walking on varied surfaces) encourages real muscle strengthening, unlike static gym-based exercises.
- Improved load distribution – the system prevents compensatory overuse of one side, helping to recruit underutilized muscles.

Clinical outcome: Increased muscle strength, improved endurance, better weight-bearing capacity, and reduced fatigue.

4. Additional Therapeutic Goals and outcomes

- Improved balance and fall prevention – through sensory stimulation and immediate correction of movement patterns.
- Higher treatment frequency – thanks to home usability and a simple setup that can be operated with the help of a family member, with no need for a professional caregiver (though therapist involvement is recommended for optimal outcomes).
- Enhanced quality of life and functional independence – safer, more confident execution of daily activities.

5. How Is the System Used?

(Refer to instructional videos on the company website)

Basic Treatment Protocol:

- **Gait rehabilitation: 10–15 minutes, twice a day** (forward walking only). It is recommended to start at the lowest resistance level and gradually increase based on ability and adaptation.
- **Muscle strengthening: 5–10 minutes, once a day.** Exercises may include stair climbing/descending, lateral walking, squats, sit-to-stand transitions, and seated leg extension/flexion.
- **Upper limb exercises: 5–10 minutes, once a day,** performed while seated. Use the included handles for resistance-based arm movements as demonstrated in the training videos.

Treatment can be customized to the patient's functional level, either under the supervision of a physical therapist or independently, based on the official usage guidelines.

6. When Should the System Not Be Used?

- Immediately post-surgery – before entering the active rehabilitation phase
- Pregnancy
- Patients with a pacemaker
- Acute injuries such as fractures or dislocations