GAITBETTER

Reduce Fall Risk • Improve Mobility

Motor-Cognitive Training for Gait Rehabilitation and Fall Prevention

By adding a virtual reality experience to existing treadmills, GaitBetter's evidence-based digital therapeutic enables affordable, personalized and safe training for effective and improved outcomes

USE YOUR HEAD TO KEEP MOVING FORWARD

ISO 13485 MEDICAL DEVICES

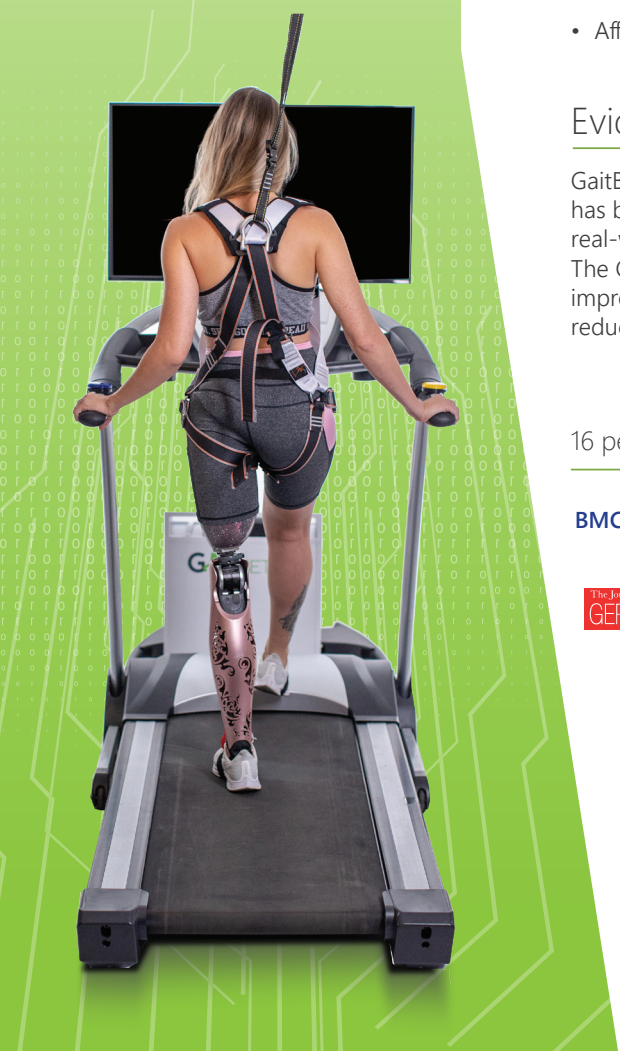
ISO 13485

FDA

www.gaitbetter.com

"We find the GaitBetter virtual reality environment very engaging and motivating for our patients. As an example, we are able to double the walking dosage for patients utilizing GaitBetter versus walking over ground or using the treadmill alone. This allows us to achieve best practice and stepping goals when gait training our patients. "

Faye Bronstein (PT, DPT, NCS), Clinical Specialist of Inpatient Rehabilitation, NYC



State-of-the-Art Gait Therapy

- Suited for multiple indications, conditions, and wellness in older adults
- Used in inpatient, outpatient, rehabilitation, senior centers, and senior living
- Motor-Cognitive gait training and analysis
- Auto and manual personalization options
- Fun and enjoyable
- Simulates everyday challenges ('real-world' experience)
- Universal add-on to existing treadmills
- Affordable and flexible pricing plans

Evidence Based Solution

GaitBetter's cognitive-first methodology has been proven through clinical trials, real-world usage, and academic research. The GaitBetter technology significantly improves gait and cognitive skills and reduces risk of falls.

16 peer-review publications:

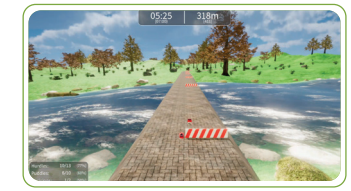
BMC Neurology · SAGE journals · The Journals of GERONTOLOGY · Taylor & Francis Online · Neurology · THE LANCET · PTJ Physical Therapy & Rehabilitation Journal · Cochrane Library · MULTIPLE SCLEROSIS AND RELATED DISORDERS · International Parkinson and Movement Disorder Society

An Innovative Motor-Cognitive Intervention

Developed by neuroscientists, physical therapists, software engineers, and experts working with elderly - GaitBetter™ brings proven incredible results.

Using a proprietary AI-based tracking algorithm, GaitBetter™ analyzes feet movement in real-time and projects these movements onto a virtual environment displayed on a front screen.

Trainees are walking on the treadmill and see their own two feet in the simulation. As they walk, they face virtual obstacles to improve gait while performing complex tasks requiring attention, concentration, planning and execution to enhance motor-cognitive skills.



Real Time Feedback
GaitBettrer™ provides real-time feedback to trainees related to their obstacle negotiation success, gait pattern, and decision making for enhanced motor learning.

Multitask Training
Negotiating obstacles during treadmill walking while attending to cognitive demanding tasks improves gait measures and executive functions skills.

Fun and Engaging
Gamification in a semi-immersive virtual reality boosts the users motivation and adherence, leading to increase in walking and therapy dosage.

Training Component

MOTOR
Gait speed
Step length / Clearance
Endurance
Dynamic balance
Symmetry
Variability

MOTOR-COGNITIVE
Obstacle Negotiation
Motor Planning
Balance Strategies

COGNITIVE
Multitasking
Memory
Response time
Attention
Environment sensory input processing

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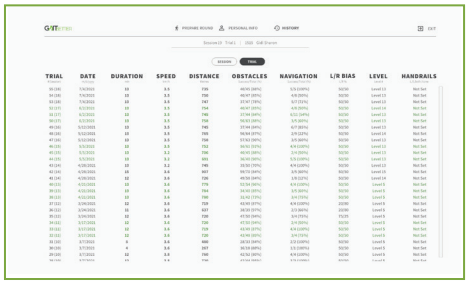
Easy-to-Use, Safe and Delivers Fast Results

- Intuitive to operate, touchscreen dashboard for easy operation
- Pre-built and validated training programs with customization options
- Results within 6 to 7 training sessions
- Tracks history and patients progress over time
- Proprietary safety harness for quick patient setup and comfort



Requirements

Room space:
Up to ~2 feet (60cm) from front of treadmill

Electricity:
With (provided) UL/ETL power strip: 1 outlet up to 6 feet away from the treadmill.
Without power strip: 3 outlets, up to 3 feet away from the treadmill.

Treadmill Type:
Recommended belt width: at least 18.9" (48cm)
Recommended belt length: at least 56.7" (144cm)

Specifications

System cabinet:
Width: ~19.7" (50cm)
Depth: 9.85" (25cm)

Harness bridge:
Hight: 90.5" (230cm)
Width: 31.5" – 47.3" (80 – 120cm)
Max. weight: 550 lb. (250kg)

Harness:
Standard: EN361
Size: L and XL available.

Contact us: info@gaitbetter.com www.gaitbetter.com (+1) 205-947-4154