

WE MOVE YOU



LOKOMAT® PRO

EMPOWERING REHABILITATION

RELEARNING TO WALK
WITH MOTIVATION
AND SENSATION



LOKOMAT®PRO

EFFECTIVE MOVEMENT TRAINING

Robot-assisted therapy enables effective and intensive training to improve walking.

ADJUSTABLE TO PATIENT NEEDS

The physiological movement is ensured by the individually adjustable lower extremity orthosis and is combined with the patented dynamic body weight support system.



OPTIMAL PATIENT challenge

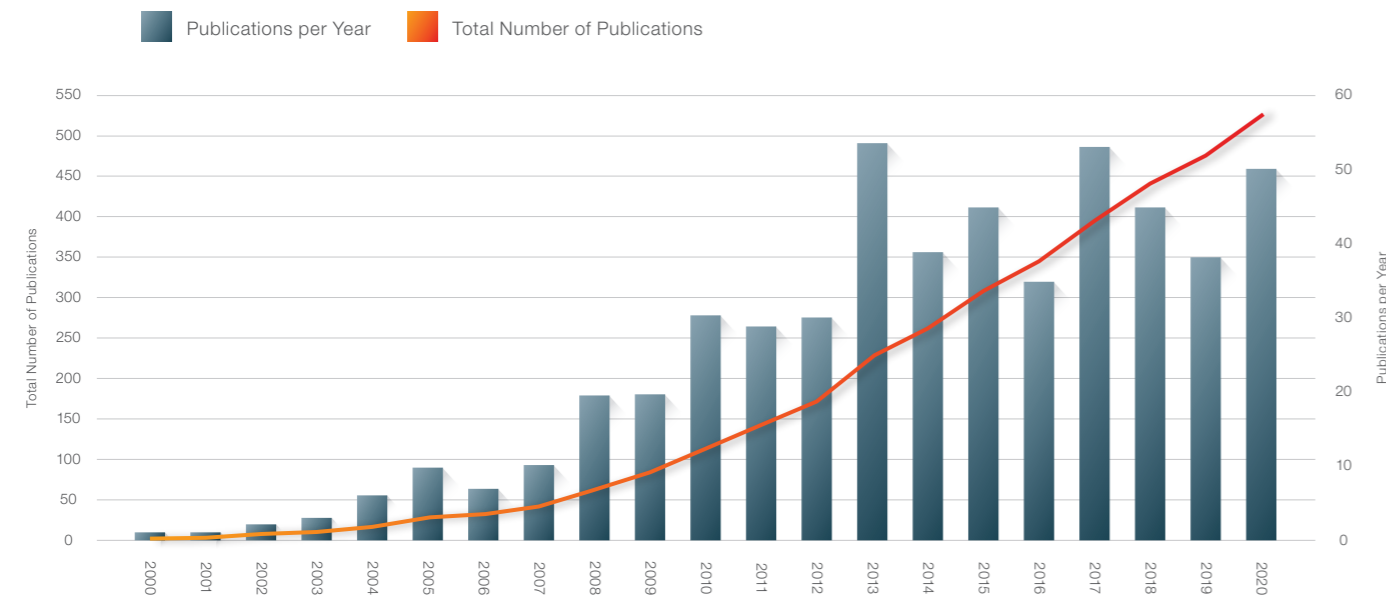
During rehabilitation, patients need to be challenged. Patients are motivated to reach their goals with various game-like exercises. Their level of activity influences the performance of the task, pattern and the speed.

This Augmented Performance Feedback (APF) maximizes the effect of Lokomat training.

Studies have shown when using APF, muscle activation and cardiovascular exertion can be considerably increased.



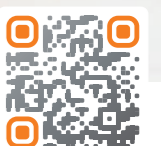
LOKOMAT THERAPY IS BACKED UP BY 20 YEARS OF CLINICAL RESEARCH



learn from your peers!

For more information about Clinical Evidence, Education and Experiences with Hocoma solutions visit: knowledge.hocoma.com

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LOKOMAT®PRO

STATE-OF-THE-ART

gait rehabilitation



Patients are increasingly more informed about what the most effective and efficient therapy is, and they use this information to decide where to go for their rehabilitation.

All patients look to receive the most effective training possible and the Lokomat ensures high quality and repetitive movement rehabilitation—a great reason why a patient might decide on your clinic.

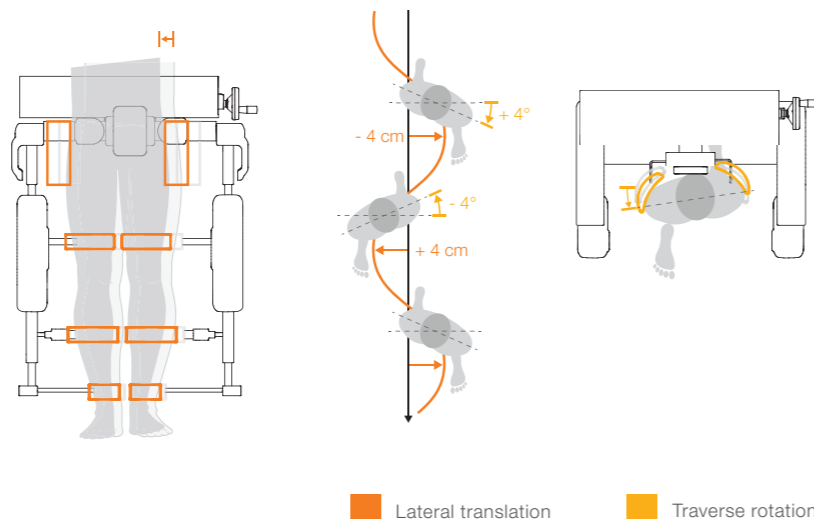
INCREASED EFFICIENCY

The Lokomat allows therapists to focus on the patient and the actual therapy. It enhances staff efficiency and safety, leading to higher training intensity, more treatments per therapist and consistent, superior patient care.

LATERAL FREEDOM

The optional FreeD module supports:

- Guiding lateral translation
- Transverse rotation of the pelvis



WHAT EXPERTS *say*



We're able to get patients walking up to 30, 40 minutes, which is a massive difference compared to what we're able to do without the Lokomat. One aspect that I personally like is the fact that the robot and the treadmill change speed according to the effort that the patient is putting in. I found that to be really beneficial and motivating to the patients.

Tamsin Reed

Physiotherapy Clinical Lead, The Wellington Hospital, UK

“ The Dance exercise is great for postural cues as well as cues for effort. In the adaptive gait support, I liked the specific data about where in the gait cycle the patient was having difficulty, it led to a nice discussion about gait with my patient. ”

Colin B.

PT Spaulding Rehab Hospital
Charlestown US

“ I used the audio cueing often at the beginning of the session to give my patients a rhythm for walking. Especially severely impaired patients relaxed with the audio cueing and then the rest of the therapy went much smoother. ”

Anne Gehrig

Anne Gehrig - PT Revigo, Switzerland

LOKOMAT®PRO

PEDIATRIC MODULE

child's play



The LokomatPro can be fitted with standard orthoses for adults or with pediatric orthoses, which are available as an optional module.

The pediatric orthosis are designed to accommodate small children by offering a special set of harnesses and cuffs that provide a precise fit for patients with femurs between 21 and 35 cm (8.3 – 13.8 in). The two interchangeable sets of orthoses can be easily swapped out by the therapist and both offer the same wide range of therapy benefits.



“ After Lokomat Training, Carson was just flying! His mobility was better and he was so much more self-confident. ”

Mother of Carson Rush

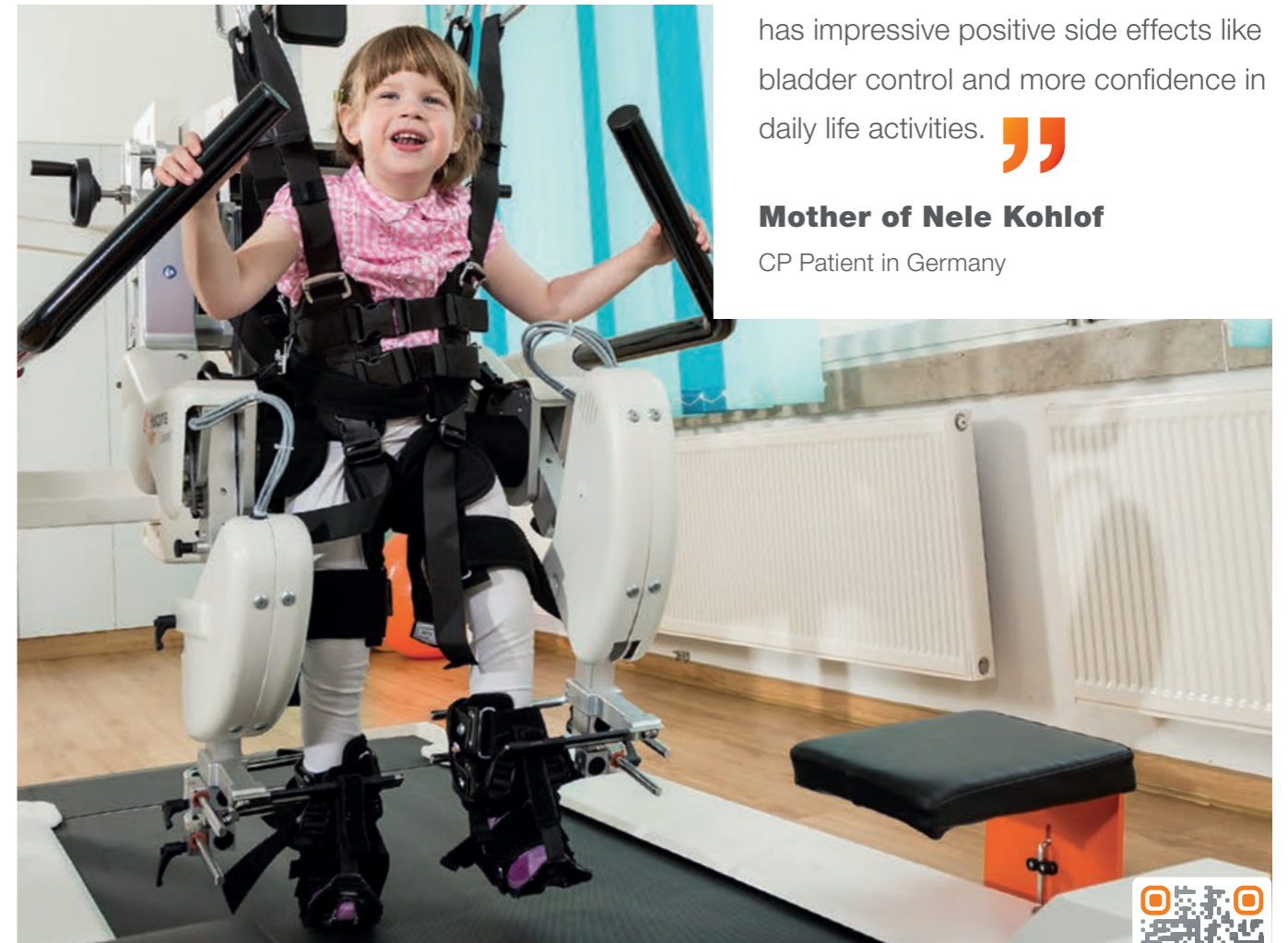
CP Patient in USA



“ Thanks to the intensive training on the Lokomat, Nele can walk and has impressive positive side effects like bladder control and more confidence in daily life activities. ”

Mother of Nele Kohlof

CP Patient in Germany



Scan to discover more →



LOKOMAT[®] PRO *Motivation*

The **LokomatPro Motivation** is the device you need to **engage** your **patient during therapy** while offering various games that challenge: Attention, Movement Symmetry, Activity Timing and Endurance. All sessions can be different and it's up to the therapist to pick the best option to motivate the patients and address their goals. The **LokomatPro Motivation** offers:

Training programs for Speed

Activity calibration for optimal adaptation to the patient's abilities

Training programs for BWS variability

Augmented performance feedback in real time

Automatic difficulty adaptation for optimal challenge

Body weight supported treadmill training without orthosis



Adult, pediatric or combined
versions available

LOKOMAT[®] PRO *Sensation*



With the **LokomatPro Sensation**, patients will benefit from the most advanced technology developed by Hocoma to enhance the training while **bringing new sensations** to the session. From audio to augmented performance feedback, the trainings can be more individually created than ever, truly customized to different needs and interests. **LokomatPro Sensation** gives access to 19 games/exercises with augmented performance feedback, audio and music integration, difficulty adaptation, automated assisted-as-needed therapy, challenging training programs and much more...



feel

Intelligent Algorithms:
Create maximum challenge
and allow patients to
feel their performance.



hear

Music synced with therapy
to boost motivation
and engagement.



see

Personalized training,
seeing results
and progression in
various exercises.

LOKOMAT®PRO

The Lokomat is the world's leading robotic medical device that provides highly repetitive and physiological movement training.

The LokomatPro offers two options in the product line, tailored to your needs.

Motivation x *Sensation*

FEATURES	MOTIVATION*	SENSATION
Adult and pediatrics	✓	✓
FreeD module	X	<i>optional</i>
Automatic difficulty adaptation	✓	✓
Avatars and sound supported exercises	✓	✓
Decreased robotic assistance exercises	X	✓
Automated adaptive gait support	X	✓
Auditory cueing and music integration	X	✓
Augmented performance feedback exercises	7	16
Training programs	2	3

*Possibility to upgrade

Music and Audio Feedback

FreeD Pelvic Movement

Intuitive User Interface

Adjustable Robotic Orthosis

Dynamic Body Weight Support

Games and Personalized Training

Augmented Performance Feedback

Adaptive Gait Support (to maximize challenge)

Optional Pediatric Orthosis

Treadmill



DIMENSIONS

- Space [L x W]:

325 cm x 155 cm (127.95 x 61 in.) (swivel door closed)
350 cm x 214 cm (137.8 x 84.3 in.) (swivel door open)

- Height (without FreeD module):

239 cm (94.1 in.) without extension
246 cm (96.9 in.) with extension

- Height (with FreeD module):

247 cm (97.2 in.) without extension
254 cm (100 in.) with extension

- Weight: 1000 kg (2204 lb.)

SPACE REQUIREMENTS

- Without FreeD module [L x W x H]:

5 m x 4 m x 2.5 m (196.9 in x 157.5 in x 98.4 in)

- With FreeD module [L x W x H]:

5 m x 4 m x 2.6 m (196.9 in x 157.5 in x 102.4 in)

PATIENT REQUIREMENTS

- Patient weight max. 135 kg (297.6 lb.)

- Patient height max. 200 cm (78.74 in.)
193 cm (75.98 in.) without extension

PRODUCT DISCLAIMER

All Hocoma products are medical devices and must be used in strict adherence to the User Manual; failure to do so may result in serious personal injury. It is strongly recommended that you regularly consult Hocoma's website (www.hocoma.com/legalnotes) for the latest available information. Please contact Hocoma should you have any questions. Use only under the supervision of qualified medical personnel. However, certain Hocoma products are marketed for home use and must be strictly used according to the recommendations of your medical care provider who is knowledgeable about your specific needs. Consult the User Manual and Hocoma's website (www.hocoma.com/legalnotes) for appropriate product designation. Failure to obtain and follow the recommendations of your medical care provider may result in serious personal injury. This information provides details about medical products which may not be available in all countries and may not have received approval or market clearance by all governmental regulatory bodies throughout the world. Nothing herein should be construed as a solicitation or promotion of any product or of an indication of any specific use for any product which is not authorised by the laws and regulations of the country where the reader of this information resides.

WE ARE THE TOTAL SOLUTION PROVIDER FOR REHABILITATION

We offer efficient solutions and services with advanced technologies for human movement therapy across the entire continuum of rehabilitation: from severe to mild impairments and from acute treatment to continuous training at home. All our solutions are developed, manufactured and continuously improved in close cooperation with researchers, clinical partners and customer feedback.

THE CONTINUUM OF GAIT REHABILITATION

discover our extensive portfolio of gait and balance solutions



ERIGO

The unique medical device for safe and early mobilization, combining gradual verticalization, leg mobilization, and intensive sensorimotor stimulation through cyclic leg loading.



LOKOMAT

The world's leading robotic medical device that provides highly repetitive physiological movement training – especially with severely impaired patients.



ANDAGO

The Andago bridges the gap between treadmill-based gait training and free overground walking through dynamic body weight support and active patient following.



C-MILL

The instrumented treadmill allows for the evaluation of gait and balance impairments and functional training with augmented and virtual reality.

Hocoma Medical GmbH

(Headquarters)

Industriestrasse 4
8604 Volketswil, Switzerland
Tel: +41 43 444 2200
info.hocoma@dih.com

North America Offices

DIH Technology Inc.

77 Accord Park Dr., Suite D-1
Norwell, MA 02061, United States
Tel: +1 877 944 2200
info.us@dih.com



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