

IDENTIFY, TREAT AND DOCUMENT
IMPAIRMENTS OF THE LOWER LIMBS
THAT CAUSE FUNCTIONAL LIMITATIONS



THE LAMBDA

Intensive and selective training of all gait impairments as well as feedback for the patient are doubtlessly central elements of a successful rehabilitation. An active-assisted, repetition-based and above all versatile mobilization from a very early stage are key elements to achieve the best possible outcome for patients.

The innovative therapy robot Lambda makes all this possible. Analytical, task-oriented, playful and motivating for patients. Economical, effective and intuitive for users.



Neurological



Musculoskeletal
and Orthopaedic



Geriatric



Post-covid

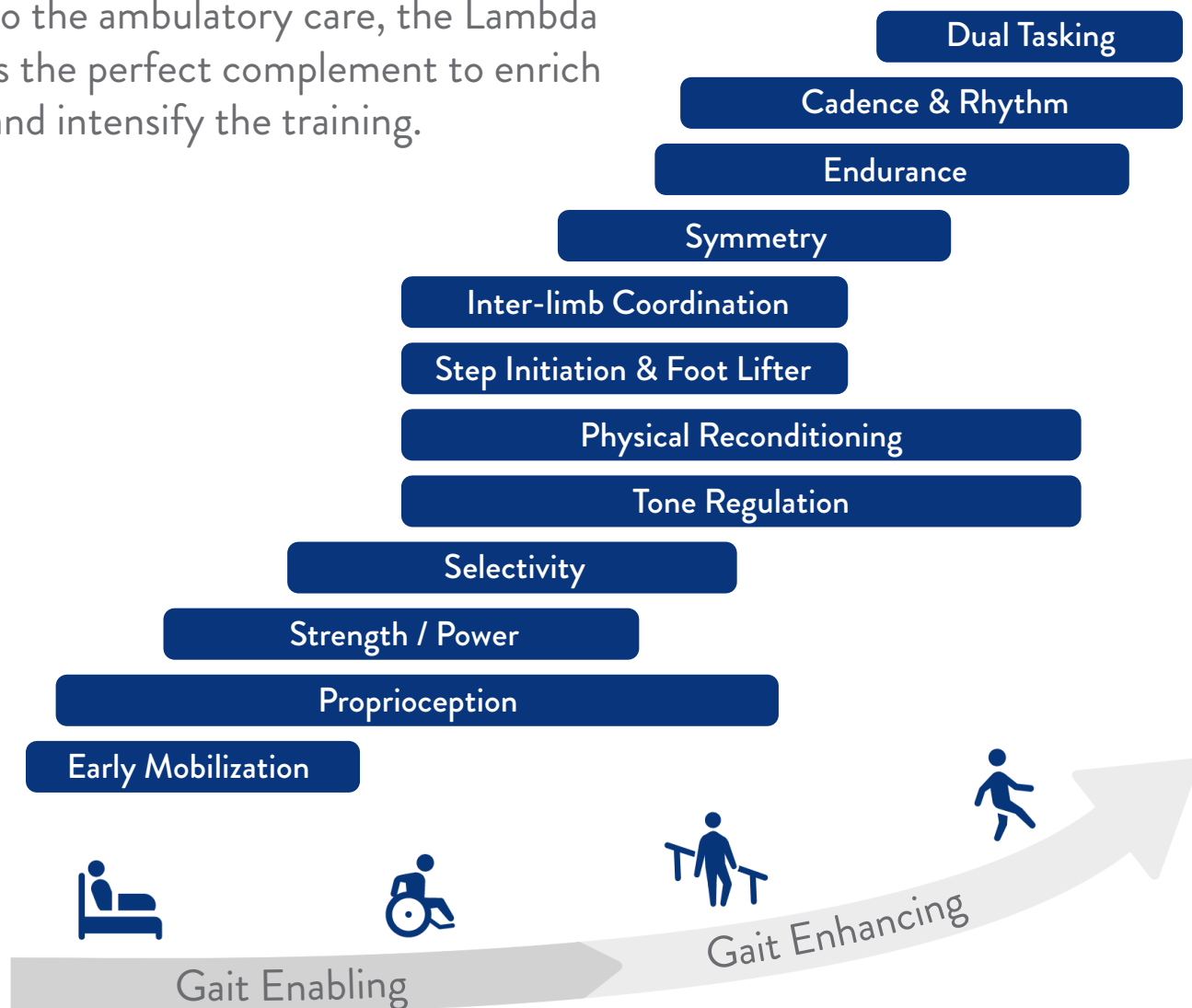


Cardiopulmonary



CONTINUUM OF CARE

From the early phases of rehabilitation to the ambulatory care, the Lambda is the perfect complement to enrich and intensify the training.



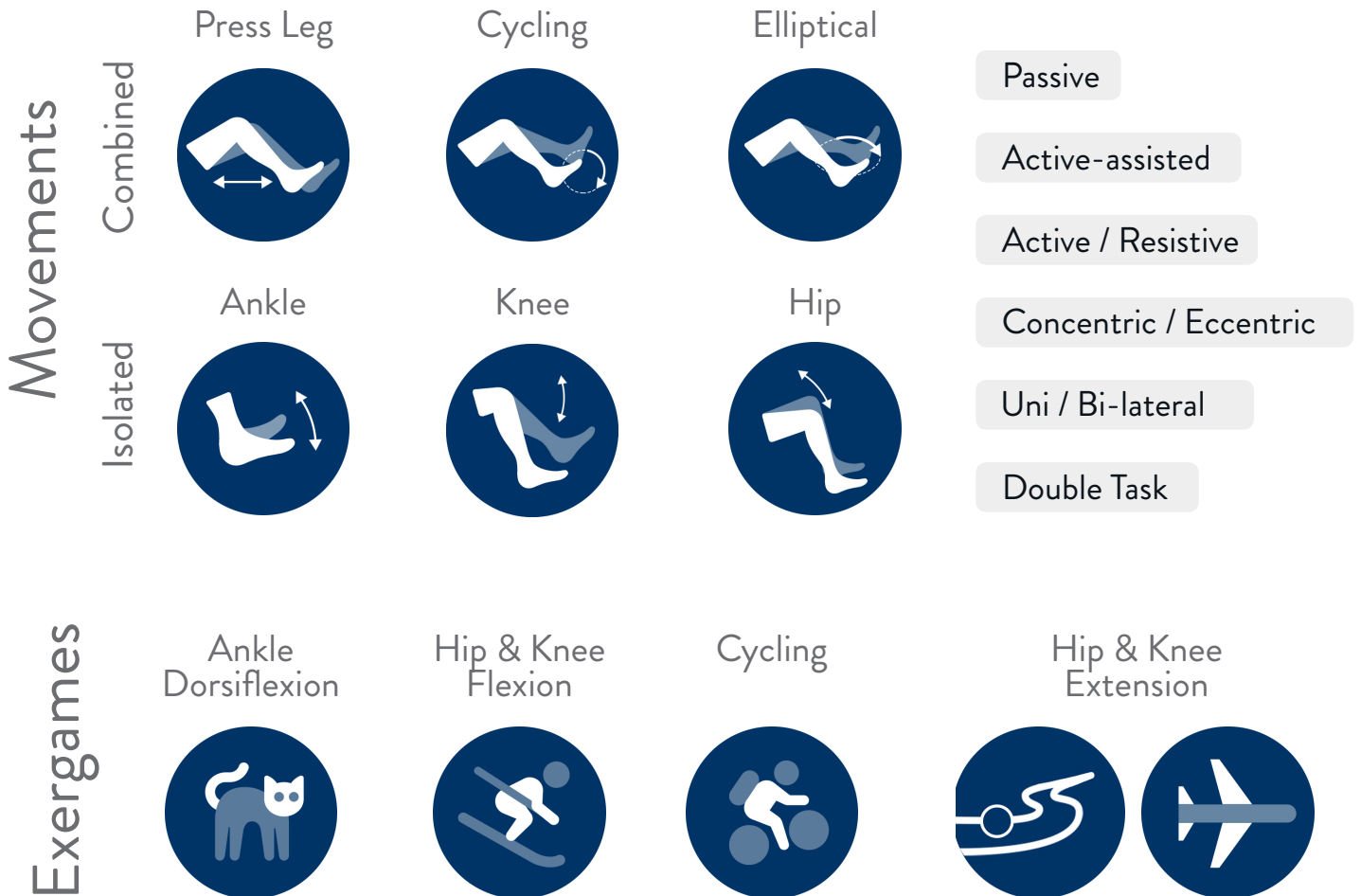
" With the Lambda, we are able to do specific exercises to restore rhythmic movement and inter-limb coordination to support the training of the gait. "

Dr. Franco Molteni, Medical Director,
Villa Beretta Rehabilitation Unit,
Costa Masnaga, Italy



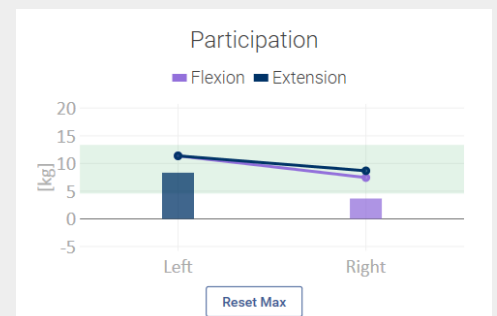
VERSATILITY

The Lambda offers 50+ customizable therapy modes with a 3 minutes setup. The versatility of training and exergames ensure to target the patient needs and avoid boredom and frustration.



DATA EVALUATION

Lambda makes the fine evaluation of various parameters possible. Even a progression of 100 grams of strength is visible. Patient performances and evolution can easily be monitored in real time, post-training and exported.

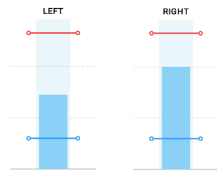


ENHANCED FEEDBACK



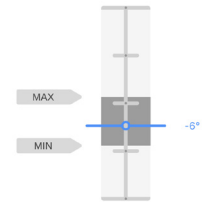
Symmetry

Inter-limb coordination
Quality of movement
Force symmetry



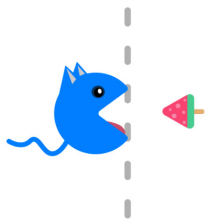
Strength

Strength and sub-maximal strength training made available for heavily affected patients



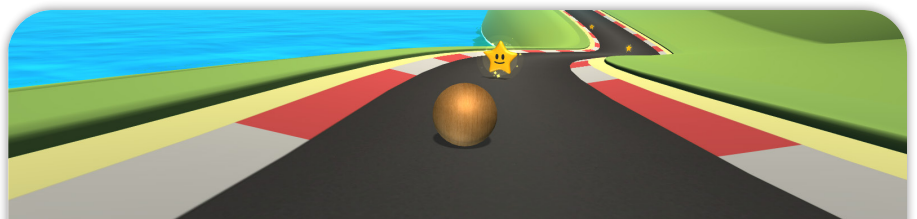
ROM

Range of movement training that incitates the patient to increase his active control of the joint



Position Sense

Training of the position sense of the joint through disappearing visual feedback



Exergames are available to target different gait impairments. During those trainings, the patient activity is oriented to improve fine motor control, strength or endurance. Inter-limb coordination, symmetry, selectivity and cognitive aspects are at the heart of those therapies.

Possibility of dual task activities to enhance cognitive training.



"With the feedback from the games, there is a complete interaction between the mind and the body. It is fun and useful. I really appreciate the Lambda."

Marco C., affected by incomplete SCI



COST EFFICIENCY

The Lambda can handle a patient every 30 minutes and allows a fast return on investment because of the following principles :

- More than 50 exercises in one solution
- < 3 minutes set up times
- Highly limited surveillance possible
- Large patient population
- For all the phases of rehabilitation
- Multiple users : physiotherapist, assistant, nurses, etc.
- Intuitive and easy to operate
- Optimized for group therapies





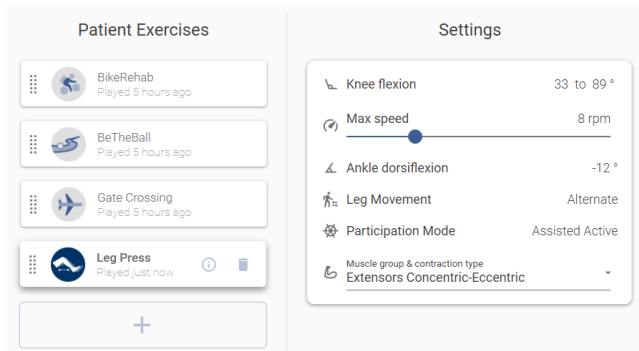
Fast and Safe Transfer

360° seat rotation
Retractable armrests
Auto-adjustment of seat and pedals



Knee Guidance

Adjustable orthosis
20 seconds installation
Ergonomic design



Easy to Use Interface

Intuitive touch screen monitor
Auto-play of a full session possible
Pre-sets of therapy objectives
Auto-save of settings
Auto adjustment of difficulty available

" Because of the intuitive interface,
the fast transfer and the large patient
population of the Lambda, it is used in
more than 50 therapies per week "

Gianni Giuliani, Senior Physiotherapist
Ospedale Valduce, Italy



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VILLA SANT'ELIA
RIABILITAZIONE



Fondazione
Don Carlo Gnocchi
Onlus

VERSION : 2024-11

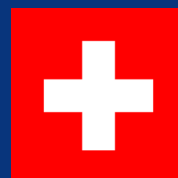


Avenue des Sciences 2
1400 Yverdon-les-Bains

Tel : +41 24 565 70 33
info@lhs-sa.ch

www.lhs-sa.ch

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