Your recoveriX gym

RECOVERIX FRANCHISE MODEL

recoveriX can be installed in clinical institutions like hospitals, neurocentres or other therapy centres that are specialized in stroke rehabilitation, physical therapy or other related professions. Your own recoveriX franchise model opens a new business opportunity.

We are actively seeking for qualified professionals or other related professionals to open multiple recoveriX gyms in their locations. Are you a candidate? Please contact us via email to discuss your individual franchise entitled.

PRACTICE ENVIRONMENT

The recoveriX flagship gym in Schenkenberg AG, Bernoulli SE, New York (NY) and bio (NH) offer more information about recoveriX therapy for stroke patients. Their gyms are also the perfect training environment for professionals. Learn the science behind recoveriX, the different therapy modes, and the handling of the system from firsthand experience.

Are you interested in learning more about recoveriX? We are eager to create a bespoke seminar or workshop for you. Please register at info@recoverix.at

recoveriX Flagship Gyms Around the Globe

Get in touch with how neurorecovery training is performed in reality! Visit us in one of our recoveriX flagship gyms. Contact us to find the nearest recoveriX franchise gym in your area.

recoveriX is produced by g.r.e.e.n. medical engineering GmbH in Austria. We are developing and manufacturing healthcare technology products for stroke rehabilitation. Our products are used in various clinics and rehabilitation centres. G. TECHNIK is an international trade name for the recoveriX products and is used as a trade name or trademark by recoveriX GmbH.

Expert Quotes

"The BCI stroke rehabilitation even allows us to treat patients in a chronic state and improve their motor function. These conclusions are based on experimental data resulting from testing the recoveriX system on chronic stroke patients at the Rehabilitation Hospital of Br. Wemmelia."

Prof. Dr. Marian Pokorný, Technical University of Br. Wemmelia

"recoveriX gives disabled patients the feeling that they can move again. Motivating them in this way is to be more actively involved in the rehabilitation process. This brings huge benefits to the rehabilitation process."

Dr. Daniel Constantinescu, Assistant Professor at Technical University of Br. Wemmelia

"recoveriX couples cognitive processes with movements and this makes the rehabilitation so effective."

Dr. Christoph Gasper, CEO of g.r.e.e.n. medical engineering GmbH

SCIENTIFIC REFERENCES


www.recoverix.at www.recoverix.at
Motor Recovery After Stroke

Motor recovery after stroke is an innovative brain-computer interface (BCI) and the first rehabilitation system for stroke patients that pairs mental activities with motor functions. It helps the patient regain the function of the upper and lower extremities, and can be applied in addition to standard therapy, can also be used in acute, subacute, or chronic states.

RECOVERX TRAINING

RECOVERX Therapy is unique and is a high motivation for the patient and more effective for rehabilitation. Associated Training ensures the healing of the brain and leads to faster and better recovery from stroke-caused impairments.

A Unique Combination of 3 Rehabilitation Approaches

1. Motor Imagery

   - The patient imagines a hand movement while receiving visual feedback through a virtual avatar and tactile feedback through electrical stimulation at the same time, then these patients can move rapidly after the electrical to group again.

2. Visual Feedback

   - The activation of both sensory and motor functions is caused by prime meaning. This stimulates brain plasticity, a process in which the brain learns to use new neural pathways to move the affected hand again.

3. Functional Electrical Muscle Stimulation

   - Imagined movements can cause real movements. Functional electrical muscle stimulation (FES) is used in stroke rehabilitation to help the patient perform movements that they cannot perform on their own.

Motor Recovery Based on Neurotechnology

Motor Imagery

- Patients imagine a hand or leg movement in their mind. Meanwhile, the recoverX system measures brain activity through EEG signals. Motor imagery activates specific brain regions that can be detected in the patient’s EEG signals and are used in other neurofeedback applications.

- The Benefits
  - Real-time feedback is very easy to understand.

Visual Feedback

- Patients can see that the brain regions are activated. The visual feedback is similar to the brain activity and appears on the screen.

- The Benefits
  - It allows the patients to perform movements that they cannot perform on their own.

- The patient is thrilled because the experience successfully combines all of the desired goals: using all abilities in a new way.

recoverX Therapy Components & Procedure

1. The patient is seated, and the therapist stimulates the subject’s motor cortex using paired-pulse transcranial magnetic stimulation (TMS). This creates a stimulus that elicits movement.

2. The recoverX system measures brain activity through EEG signals. Motor imagery activates specific brain regions that can be detected in the patient’s EEG signals and are used in other neurofeedback applications.

3. The benefits of the EEG signals are: they show the patient’s brain activity, which can be used to control devices.

4. The recovered therapy system is unique and has a high motivation for the patient and more effective for rehabilitation. Associated training ensures the healing of the brain and leads to faster and better recovery from stroke-caused impairments.

5. The benefits of the EEG signals are: they show the patient’s brain activity, which can be used to control devices. Functional electrical muscle stimulation (FES) is used in stroke rehabilitation to help the patient perform movements that they cannot perform on their own.