



Complete Balance Therapy and Assessment



equio

Complete solution

Equio is an all-in-one solution for improving balance through engaging gamified therapy. Everyday human activities like gait, walking or running rely on good balance. The patient is encouraged to train their balance through many different motivating training

scenarios. A clinician can track their patient's progress and make adjustment through the help of objective assessments. Two main modes of operation are available depending on the patient's ability to maintain balance: static and dynamic.



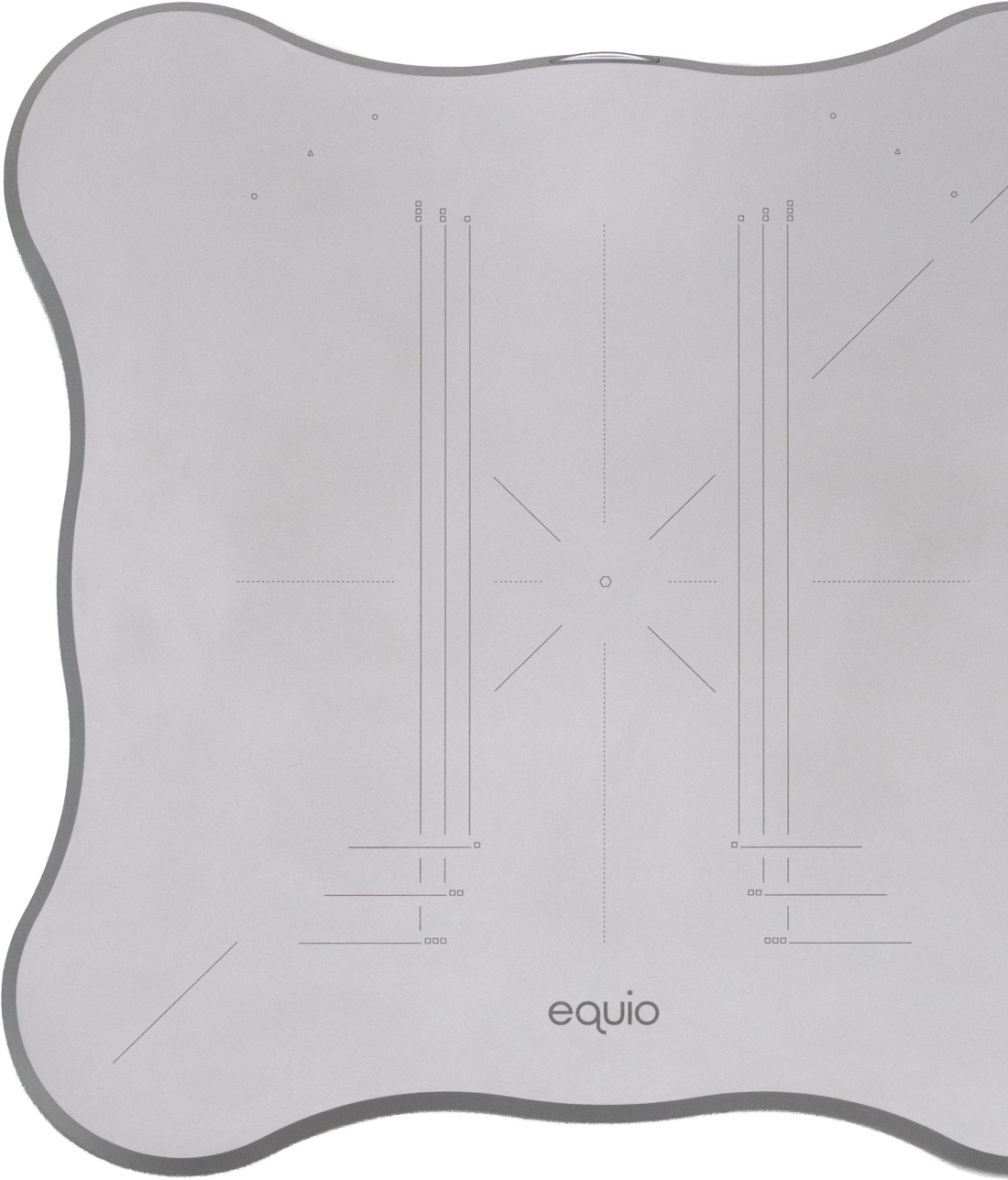
CoP mode ▶

Static balance therapy is performed on a stable, Center of Pressure (CoP) measuring board. It is designed for patients with severely impaired balance and proprioceptive system. The patient's force distribution on the board is translated into virtual reality movement.

For patients with sports or orthopedic injuries, a dynamic balance therapy mode, is available, which can be performed on a tilting board. Board sway can be achieved with standard physiotherapy accessories or by attaching unstable elements.



◀ Tilt mode



equio



Indications



Neurological

Disorders that impose balance issues, including stroke, traumatic brain injury, MS, ALS and others.



Orthopedic

Injuries like ankle/knee sprains and ligament injuries that require intensive balance training.



Geriatric

Muscle weakness and balance difficulties are common problems for the elderly.



Sports

Many common sports injuries affecting balance that have an impact on athletes' performance.

Objective Assessments

With Equio, clinicians are able to objectively assess patients' balance quality. All major assessments are provided within the Equio software package.

Stabilometry

Analyses the Center of Pressure (CoP) under four different sensory conditions to help clinicians determine how the patient's sensory inputs affect their balance.

Limits of Stability - LoS

Quantifies the intentional sway of the patient's body in eight different directions which is useful for evaluating their recovery progress.

mCTSIB

Modified Clinical Test of Sensory Interaction in Balance

Five Times Sit to Stand - 5TSTS

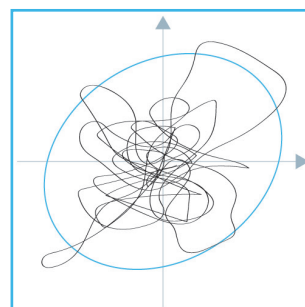
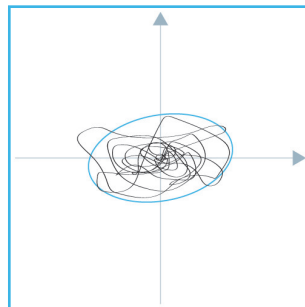
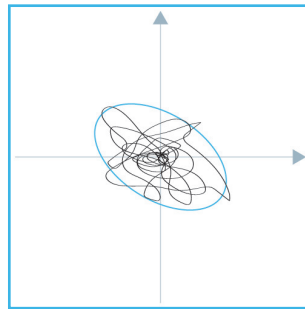
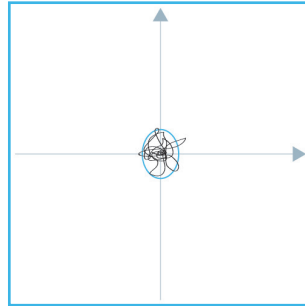
Stance Symmetry

and more...





▼ Stabilometry graphs



Motivating Training Scenarios

Position Control

Training scenarios designed to promote basic weight shifting. Usually employed in the [early stages of rehabilitation](#) when a patient's ability to maintain balance is poor.

Move and Hold

Scenarios that represent the next difficulty level in balance training. The patient shifts and holds their balance in a prescribed position. These scenarios require [better balance control](#).

Velocity Control

For patients who can maintain balance and execute tasks from the first groups. Scenarios that require the patient to shift their weight according to the [prescribed speed](#) of the training scenario.

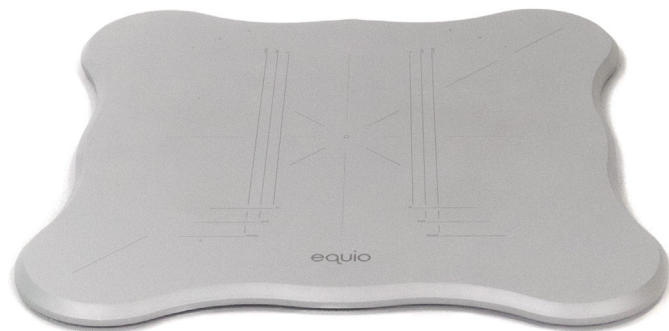
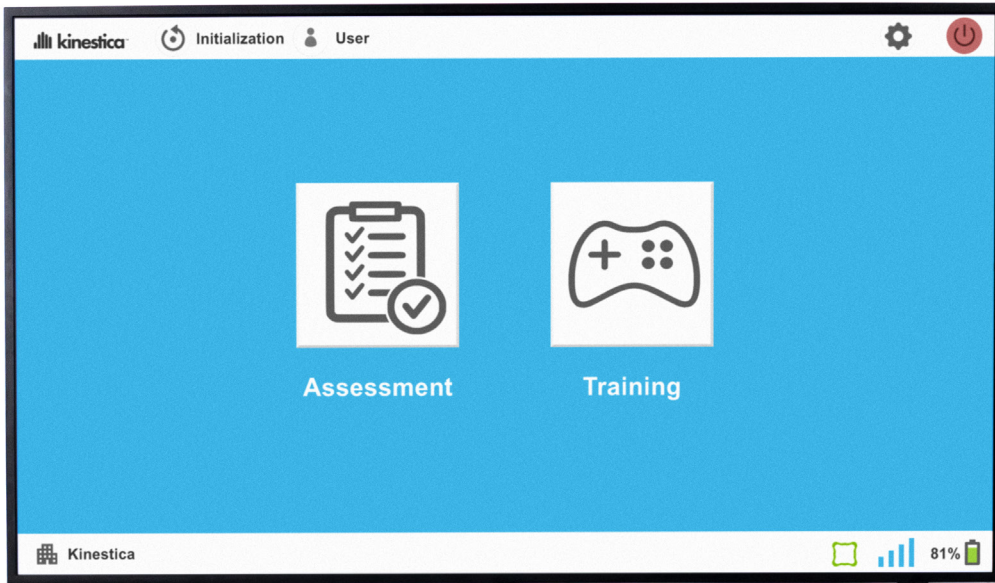
Cognitive Scenarios

Combination of cognitive and balance training. The patient is challenged with solving different [cognitive tasks](#) and selects the correct answer by shifting their weight.





▲ Virus - velocity control game



Benefits

Short setup time

Using Equio is effortless. The swift process required to set it up will leave you with more than enough time to fully focus on your patient's recovery during therapy sessions.

Objective patient assessment

Start by assessing the patient with the software tools we provide. More than half a dozen assessments are at your hand with many different options, all carefully designed to help you.

Wide variety of therapy options

With the correct assessment, you will easily decide in which therapy stage your patient is. For every stage, Equio provides multiple gamified therapy scenarios which will precisely train a specific aspect of your patient's balance.

Effective therapy

Being able to train your patient with the correct therapy scenario group will allow you to achieve the most optimal results.

Patient motivation

Help your patients stay motivated and engaged throughout the whole recovery process. The variety of fun scenarios to play with Equio will make therapy enjoyable.

Evidence based rehabilitation

Backed up by studies proving that sensor-based gamified therapy is one of the most effective types of therapy, Equio is the all-in-one package you need for balance rehabilitation.



Kinestica d.o.o.
Podmilščakova 46,
1000 Ljubljana, Slovenia
info@kinestica.com

