Dividat.

Think&Move
Dividat Senso

What is the Dividat Senso?

Interactive training and testing device

The Dividat Senso is an interactive training and testing device for cognitive-motor functions. As a training device, physical and cognitive functions are addressed simultaneously. As a testing device, cognitive-motor and balance functions can be tested with the Dividat Senso.

The Dividat Senso device was developed in cooperation with the ETH Zurich and is based on scientific evidence. Numerous research projects prove the effectiveness of cognitive-motor training (i.e., Think&Move).
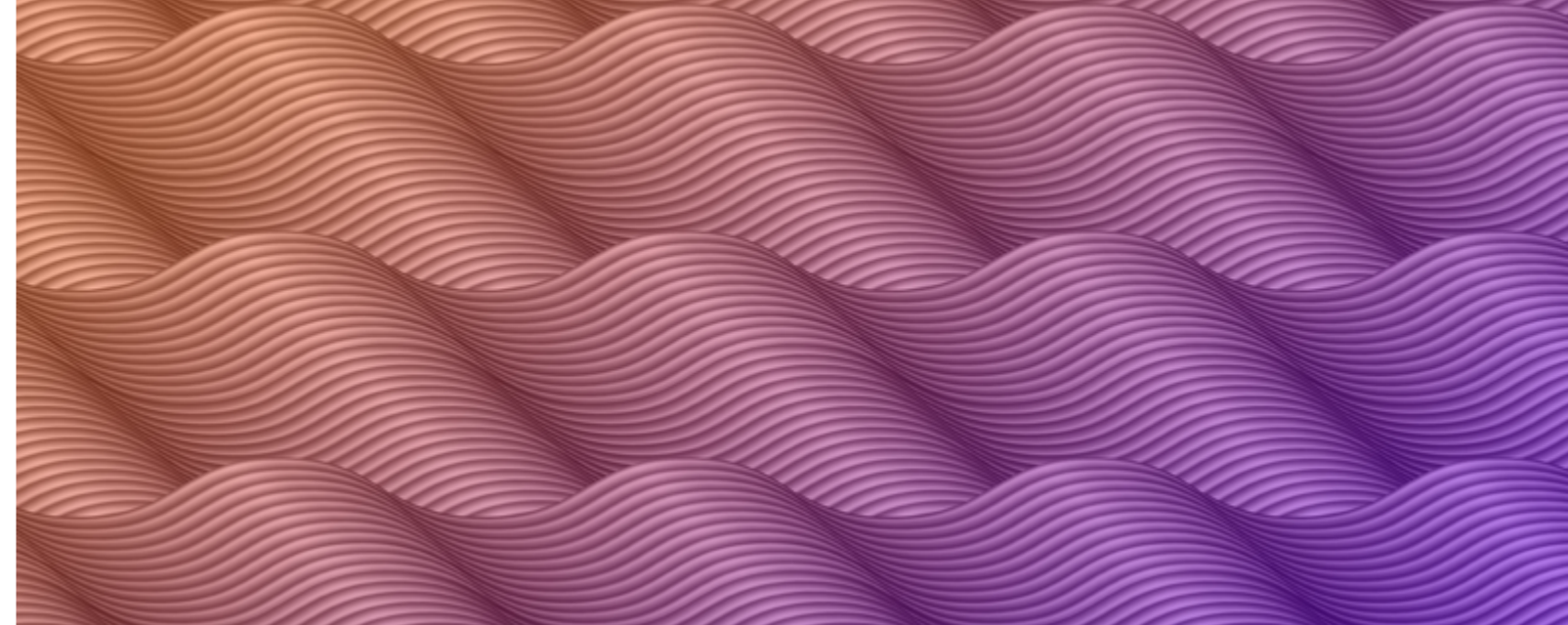
Spinoff ETHzürich

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swiss made software

Think&Move

Why Cognitive-Motor Training?

Our body is an amazing machine and we know it responds to all stimulus, good or bad. Our brain, which is often neglected, works on the same principle and needs constant training for us to have optimal interaction between our brain and body.

The Dividat Senso provides the ideal platform for cognitive-motor training in therapy and everyday training by interactively linking cognitive tasks with movement tasks. The outcome is the optimization of combined physical or cognitive specific tasks and trainings.

The Dividat Senso has been proven to improve performance in:

Reaction time and walking speed

Concentration, flexibility and attention

Processing speed and stimulus association

Targeted and strategicaction

Balance and stability

Coordination

Supports Body & Brain

The Dividat Senso supports brain and body interplay seamlessly from rehabilitation to sports performance. Surgeries, injuries, diseases or our aging process have a direct impact on the neuromuscular control of our movements. Any Think & Move activity can be safely done on the Senso.

The Dividat Senso Smart platform is a full stack solution inclusive of hardware, software, data and exergaming content hosted through a cloud-based structure.

The Dividat Senso is used by leading institutions worldwide

The Dividat Senso supports physiotherapeutic treatment in the following areas:

Orthopedics and Traumatology

Cruciate/Meniscus
Foot/ankle problems
Osteoarthritis
Arthritis
Osteoporosis

Geriatric Rehabilitation

Rehabilitation after falls
Hip and knee replacement
Diseases related to aging

Sports Rehabilitation

Fractures
Ligament tears
Muscle injuries

Neurorehabilitation

Dementia
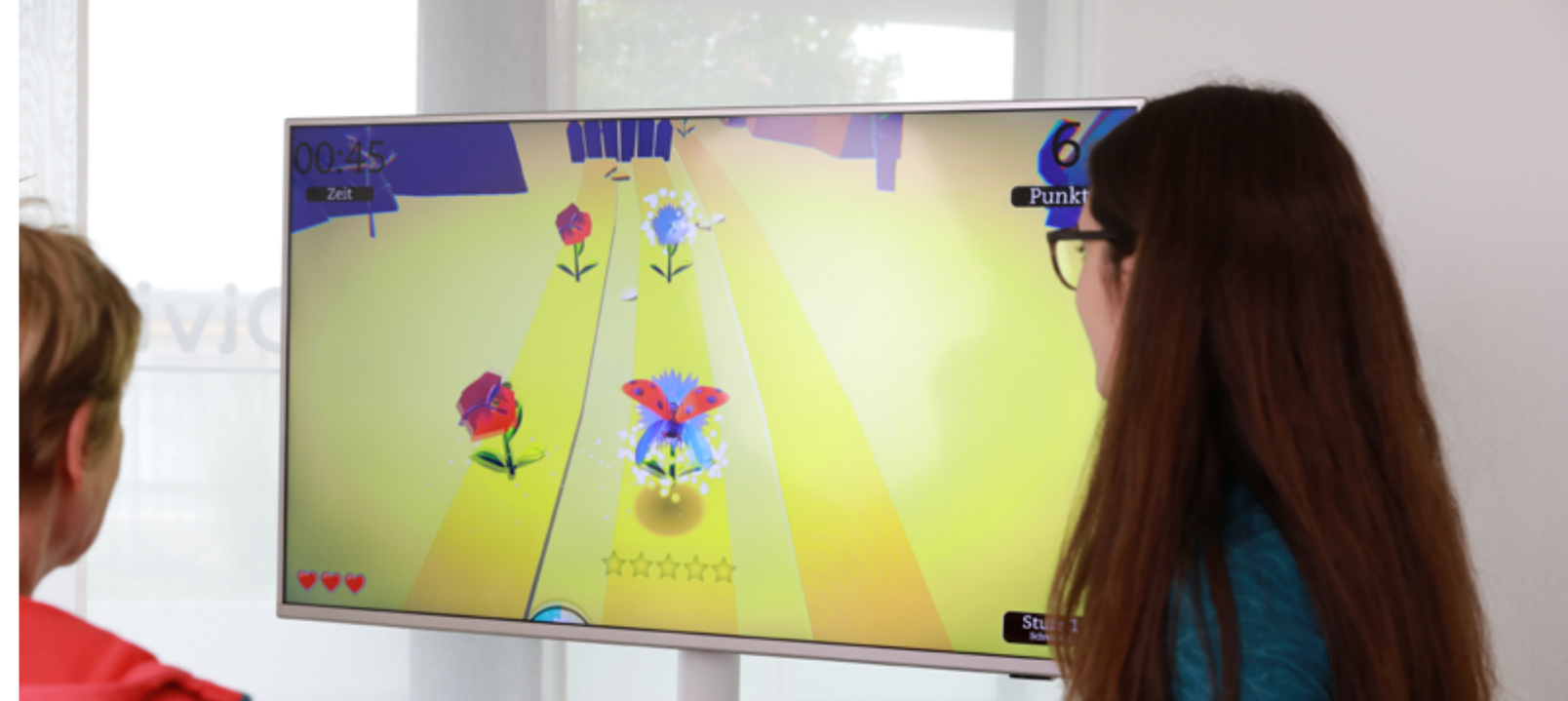Multiple sclerosis Stroke
Parkinson's
MCI

Evidence meets Training

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The intuitive and user-friendly software enables individually tailored training. The heart of the software is the real-time adaptation. The training programs adapt directly to the level of the user, which provides an optimal, slightly above-threshold training stimulus. Whether young or old, novice or professional, every workout offers a new opportunity to improve your own performance.
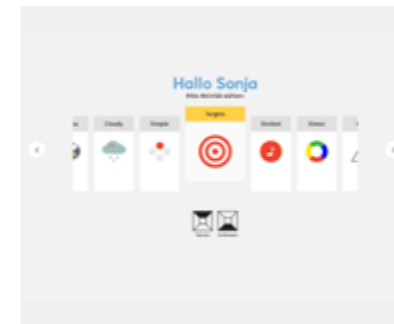
The digitized reporting visualizes the progress in the form of a performance curve after each application.

The Dividat Senso training system features:

Variety of scientifically validated training programs

Progressive algorithms ensure individual and continuous progress

Training progress reporting after each session

Assessment platform for testing cognitive and motor functions

Specific evaluation of the training parameters in the management system

Independent registration through RFID recognition

- Plug&Play RFID
- Continuous automated updates
- CE medical device
- Swiss software and engineering

swiss made software

The Dividat Play Game Environment

Promoting the interaction between body and brain

Comprehensive holistic approach that promotes the interaction of body and brain for therapy, rehab and sports specific training.

All our training programs have been examined in scientific studies in collaboration with national and international institutions.

ETHzürich   Université de Montréal   **USZ** Universitäts Spital Zürich   Karolinska Institutet

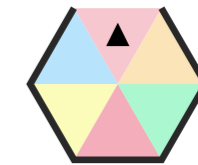**Dividat Play enthält über 15 verschiedene Trainingsprogramme Anbei finden Sie eine Auswahl**

Simple

Focused attention and psychomotor processing speed

Targets

Forward thinking, anticipation and timing
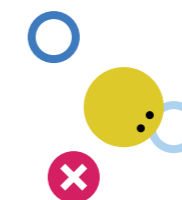
Hexagon

Visual-spatial orientation and mental rotation ability

Snake

Action planning and visual-spatial orientation

Evolve

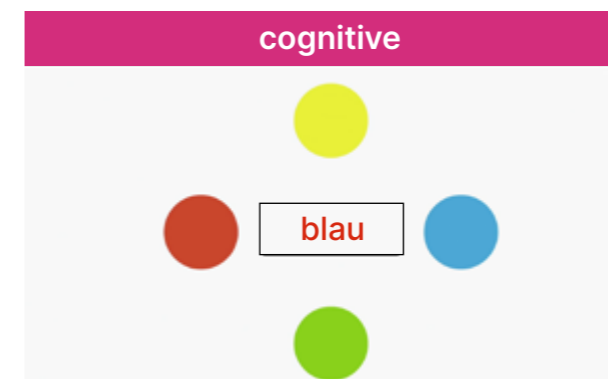Balance control, selective attention and forward thinking

Rocket

Cardiovascular system – HIIT training
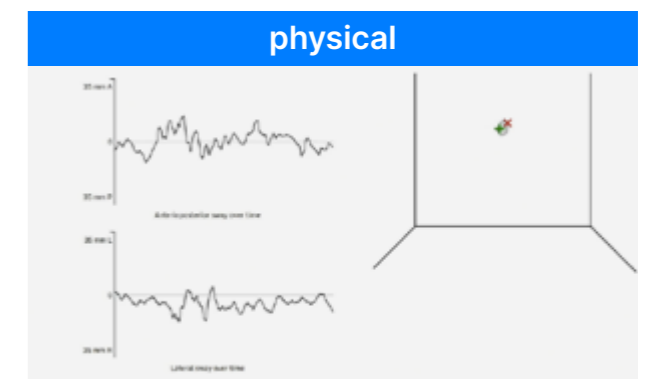
Dividat
Assessments

Evidence-based therapies require the documentation of initial and ongoing performance. Assessments are an essential part of every therapy and training measure. Thanks to the precise sensor technology, measurements can be taken with exact accuracy and recorded digitally.

Cognitive and balance assessments such as Romberg, Stroop, Go/No - Go can be tested in motion. By using a digital platform for testing, accuracy and repeatability is assured making patient outcomes objective and clear for all stakeholders. All assessments have been validated in scientific studies with the ETH Zurich and the assessment suite includes 8 tests.

cognitive

Stroop Test

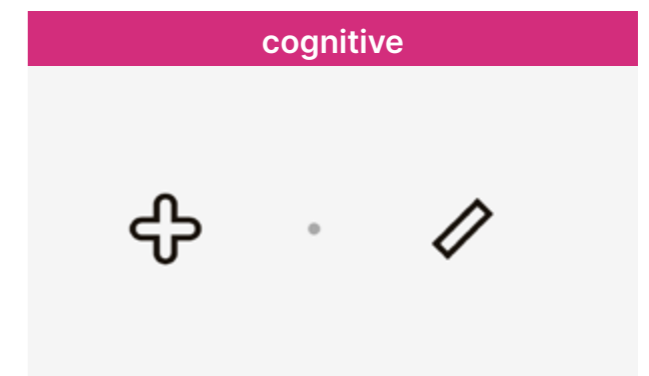Measures the ability to suppress irrelevant information and actions

physical

Sway Test (Romberg)

Measures postural control

cognitive

Go-NoGo Test

Measures selective attention and conscious control of responses

cognitive

Flexibility Test

Measures cognitive flexibility and adaptability

Get to know us

Our team combines expertise from movement sciences, neuropsychology and computer science to offer high-quality treatment and training methods. The knowledge is supplemented by constant cooperation with leading international research institutions.

Your personal offer

Are you interested or do you have any questions? Our sales team will be happy to provide you with information about our products.

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