



NEURO FEEDBACK

neuroConn 
Technology

Sustainable therapy for ADHD with SCP neurofeedback

an evidence-based and medication-free
intervention using THERA **PRAX**[®] MOBILE

Slow Cortical Potentials neurofeedback

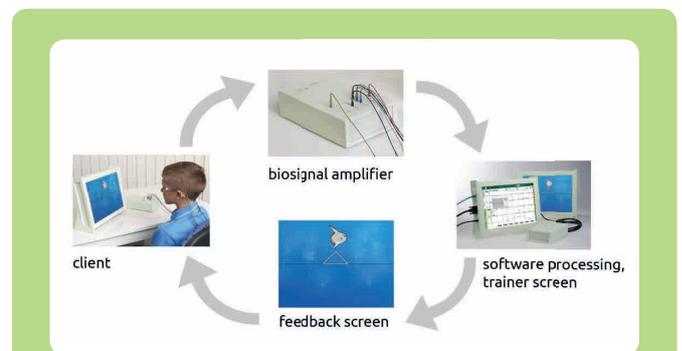
Neurofeedback of Slow Cortical Potentials (SCP) is an evidence-based therapy for ADHD in children and adults. It is effective without medication and, in comparison to such interventions, usually leads to long-term improvements in attention and behavior. In neurofeedback brain activity is continuously measured via electrodes placed on the head. This brain activity is then displayed on a monitor. Over several therapy sessions the patient learns to differentiate between a state of activation and relaxation in the brain and learns to consciously control this activity through operant conditioning.

The SCP neurofeedback method has been the subject of extensive scientific research. Its lasting efficacy, along with the specific and unspecific effects on the core symptoms of ADHD, has been proven in numerous randomized controlled trials*.

The cutting-edge DC-EEG amplification technology of the neuroConn THERA **PRAX**[®] MOBILE has been specifically designed for the application of SCP neurofeedback. Disturbances in the EEG caused by eye-movements can be filtered out in real time by online artefact correction technology, unique to neuroConn devices. Correction of EEG artefacts is crucial for accurate measurement of SCPs, thereby allowing the practitioner to deliver therapy effectively.

The evidence for SCP neurofeedback in ADHD treatment has been rated with Level B - probably effective.

* Please refer to the studies listed on the back.



SCP neurofeedback

Advantages of SCP neurofeedback

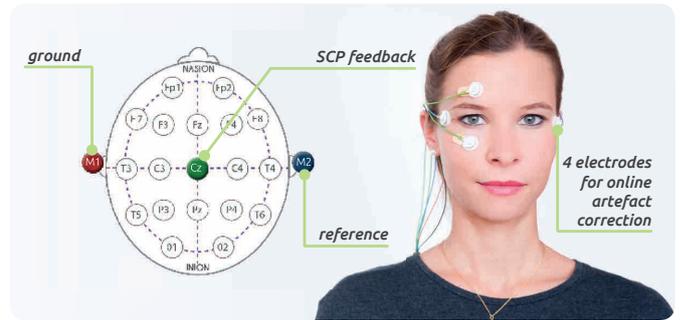
- effective alternative or complementary to medication
- an evidence-based and scientifically proven intervention
- little to no side effects
- long-term benefit after intervention
- improves sleep
- easy to apply, standardized protocol
- established protocol which has been effectively applied in ADHD therapy since 2004

Who can benefit from SCP neurofeedback?

- adults, adolescents and children over 6 years with attentional and impulsivity problems
- clients with all known subtypes of ADHD/ADD
- clients wishing to reduce or eliminate their intake of psychostimulant medication



Complete THERA PRAX® MOBILE system, article number: 101025



Standardized SCP electrode setup for ADHD therapy

THERA PRAX® MOBILE system: a certified medical device

The complete THERA PRAX® MOBILE comes with:

- DC-EEG amplifier, therapist screen, feedback screen
- software packages for feedback, analysis, online correction of eye and muscle artefacts (optional)
- keyboard, mouse, accessories, electrodes
- neuroConn-Explorer: software for frequency neurofeedback
- optional: biofeedback extension incl. sensors for GSR, pulse curve, temperature, respiration, heart rate

SCP: An evidence-based protocol to treat ADHD

SCP is a clinically evaluated neurofeedback protocol and uses standardized electrode configurations and feedback parameters. It is therefore a simple-to-apply intervention for practitioners in daily clinical application, easily integrated with a standard clinical routine.

Lasting treatment results are usually achieved after 25 to 40 sessions of approx. 45 minutes. Effective SCP training combines feedback as well as transfer trials, allowing the client to apply their acquired self-regulation in every-day situations. Standardized protocols are also available for SMR, theta/beta feedback and other applications.

COURSES & TRAINING

neuroCademy
Training & Science



neuroCademy offers basic and advanced courses on neurofeedback

neuroCademy courses offer comprehensive knowledge on the neurophysiological foundations, technical requirements and application of neurofeedback in therapy.

Our courses on neurofeedback:

- SCP-Neurofeedback - application and new developments (2 days)
- neurofeedback in ADHD and insomnia (4 days)
- clinical supervision of application of neurofeedback

Courses are accredited by BCIA and several local institutions.

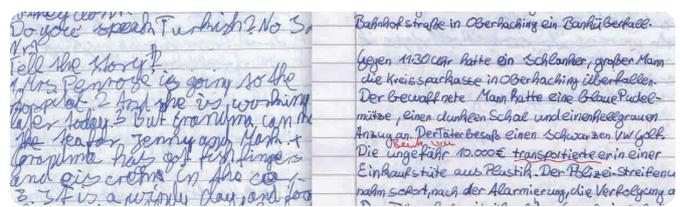


Details and dates: www.neurocademy.com

Overview of key publications on neurofeedback in ADHD

- clinical improvements in behaviour and in attention related brain activity Arns M. et al, Biol Psychol., 2014
- equal treatment outcome of SCP and theta/beta training Leins U. et al., Appl Psychophysiol Biofeedback, 2007
- long-term effects after 6 months and 2 years: Strehl et al., Pediatrics, 2006; Gani C. et al., Int J Bioelectromagn, 2008
- confirmation of equal effects in adults with ADHD: Mayer K. et al., Clin Neurophysiol., 2016
- large multi-center study demonstrating efficacy and specificity: Strehl U. et al, Front Hum Neurosci, 2017

Further studies at: www.neurocademy.com



An example of a child's handwriting, before and after the course of SCP Neurofeedback training

neuroCare Rindermarkt 7 | 80331 Munich | Germany
 telephone +49 89 215 471 2995
 e-mail sales@neurocaregroup.com
 web www.neurocaregroup.com