

BRAIN STIMULATION AT YOUR FINGERTIPS

TIP-STIMULATION WITH TIPSTIM®: A COMPLETELY NEW APPROACH IN THE TREATMENT OF **CRPS TYPE 1**

- Major enforcement of neuroplasticity
- Substantial improvement of patients' sensory abilities
- Partly along with reduction in pain
- Therapeutic effects proven by an initial clinical study
- Painless treatment without side-effects
- Easy integration into everyday life
- Demands no attention and cooperation from the patient

NEW.ADVANCED.EFFECTIVE.

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tipstim

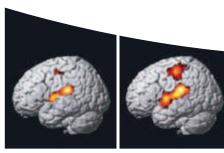


Brain stimulation at your fingertips

Plastic processes of human brain – neuroplasticity – modify our perception and behavior throughout life. Usually, there is a need for intensive training to induce neuroplasticity. In particular damage to the brain caused by injury or stroke call for intense and long-lasting rehabilitation processes. **tipstim**[®] helps to accelerate this process.

Glove and pulse generator (tipstim[®] glove and tipstim[®]).

CORTICAL ACTIVATION (MRT) OF HAND AREAS BEFORE AND AFTER TIP-STIMULATION



before tip-stimulation

after 60 min of tip-stimulation

Cutting-edge technology - the product

Tip-stimulation with **tipstim**[®] facilitates longlasting therapy procedures. By sensory stimulation of the finger tips, **tipstim**[®] drives plasticity processes in cerebral areas involved in the activation of the hand and fingers. Specially designed stimulation patterns – developed in many years of research and studies – are being generated by a pulse generator and are being applied directly to the finger tips via a completely new and highly-sophisticated therapy glove (**tipstim**[®] glove).

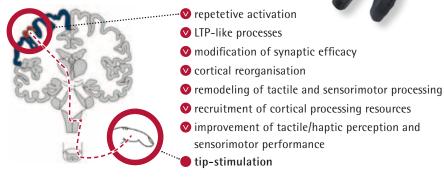
tipstim glove® is the first product of its kind making use of a new conductive and bio-compatible textile which has been proven for medical use. By processing modern materials tipstim® glove shows a high wearing comfort and a high accuracy of fit.

The therapy itself is completely painless, without side-effects and very easy to apply. The patient simply pulls over the glove, connects it to the pulse generator and starts the therapy session once a day for 1 hour. The therapy does not demand any special attention from the patient. Due to the small size of the pulse generator, the therapy can easily be integrated

Exclusive distribution by:



EFFECTIVENESS



tipstim.

into everyday life and home care – even when being limited in mobility. In principle, therapy can be applied everywhere, even during walking, and during other occupations such as reading or watching television.

Excellent results - high-level efficacy

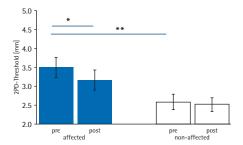
The proven efficiency of **tipstim®** results from stimulation patterns specially designed for most effective enforcement of neuroplasticity processes. Clinical studies show that these special patterns produce cerebral changes which lead to persistent improvement of a patients' sensorimotor abilities. By means of an initial clinical study and several case studies, significant therapeutic ameliorations could be shown for patients suffering from CRPS type 1. Especially sensory deficits have shown a good recovery – without additional therapies.

The **tipstim**[®]-therapy is efficient, economical and pleasant to the patient and strikes a new path in the improvement of sensory functions along with pain reduction in patients suffering from CRPS type 1.

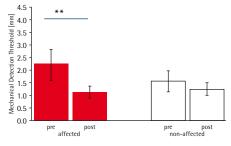
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Two-point-discrimination thresholds (2PDTH, mean \pm SE) of the affected and non-affected hand pre and post HF-rSS



Mechanical detection thresholds (MDT, mean \pm SE) of the affected and non-affected hand pre and post HF-rSS



Reference study: Marianne David, Hubert R. Dinse, Tina Mainka, Martin Tegenthoff und Christoph Maier High-Frequency Repetitive Sensory Stimulation as Intervention to Improve Sensory Loss in Patients with Complex Regional Pain Svndrome I

veröffentlicht: Frontiers in Neurology, 17. November 2015

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