



P - S T I M [®]



INNOVATIVE AND EFFICIENT
pain therapy

BIEGLER
MEDIZIN ELEKTRONIK



With this concept, P-STIM won the Lower Austria Innovation Award 2002.

P-STIM is a micro-stimulation appliance for pain therapy. Micro-processor-controlled, it generates a low-frequency and continual electric pulse which is transmitted to the peripheral nerve endings in the ear. This stimulation results in a release of endorphins which as endogenous messenger substances have an analgesic effect. In addition, they stimulate the blood circulation.

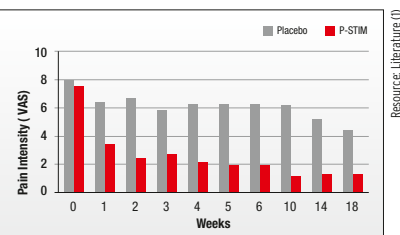
P-STIM is placed behind the ear with an adhesive electrode and the pulses are transmitted via stimulation needles to nerve endings in the auricle. P-STIM allows a continuous therapy over several days.

The appliance was miniaturized as a battery-operated disposable product to a weight of 7 grams to allow the patient mobility and independence.



➔ Effect proven by studies

A high and sustained reduction of pain as a result of therapy with P-STIM was proved in prospective and randomized double blind studies involving back pain or cervical syndrome, for example (1, 2). The VAS score for back pain was reduced from an initial value >7 in the first week of therapy to >4 , and in the further course of therapy and the follow-up period a value of <2 was recorded (1).



Resource: Literature (1)

➔ Indications & contraindications

P-STIM can be used for the following indications in acute and chronic pain:

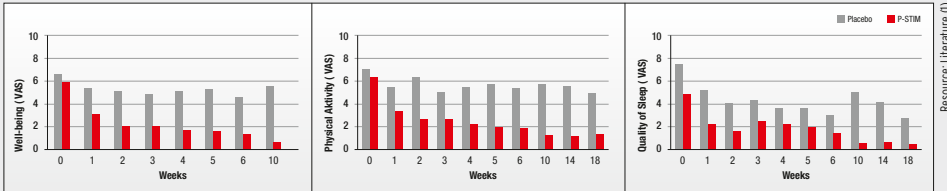
Cervical syndrome	Migraines
Back pain	Post-operative pain
Sciatic pain	Rheumatoid arthritis

These and other indications are established and therapy is applied by the doctor. The length of therapy varies according to the indication(s) and history of individual patients. For a long-term effect, therapy over several weeks is recommended.

P-STIM is generally well tolerated and can be combined with other forms of therapy. Contraindications include: Use of cardiac pacemakers, blood-clotting disorder or continual therapy with blood-thinning medications and psoriasis vulgaris.



INNOVATIVE PAIN THERAPY



Resource: Literature (1)

➔ Pain reduction & quality of life

In many cases, P-STIM not only significantly alleviates pain but also allows a considerably better quality of life. Studies (1, 2) have shown that the general health, sleep and activeness of the patient are considerably improved.

The miniaturization of P-STIM and the weight of just 7 grams allow easy portability and mobility. The patient remains independent throughout the entire therapy and is able to continue with their individual everyday life. Sports and other leisure activities can be pursued subject to consultation with the doctor.

Instead of using exogenous substances, the P-STIM therapy stimulates the endogenous messengers, the endorphins. These are well tolerated and undesirable side effects such as nausea or reduced responsiveness can be avoided.

The main features of pain therapy with P-STIM are the low invasiveness and the effect of releasing endogenous messengers.

Mobility
Well-being
Analgesia



LITERATURE

(1) Sabine M. Sator-Katzenschlager, MD, Jozef C. Szeles, MD, et al.; The Short- and Long-Term Benefit in Chronic Low Back Pain Through Adjuvant Electrical Versus Manual Auricular Acupuncture; *Anest Analg* 2004;98:1359-64

(2) Sabine M. Sator-Katzenschlager, MD, Jozef C. Szeles, MD, et al.; Electrical Stimulation of Auriculo Acupuncture Points Is More Effective Than Conventional Manual Auricular Acupuncture in Chronic Pain: A Pilot Study; *Anest Analg* 2003; 97:1469-73

⇒ Simple application

The application of P-STIM is made easier by MULTI-POINT, a multi-functional locate-and-apply stylus: It locates the stimulation points by measuring the skin resistance, marks them and positions the stimulating needles here. MULTI-POINT as a reusable appliance can be used as many times as required and facilitates safe application of P-STIM within just a few minutes.

⇒ Order information

Our sales partners will be happy to provide you with information about other products and components.

	Order no.	Qty/PU
P-STIM (complete disposable set for one application)	PC 100 EN 01	1
P-STIM (complete disposable set for one application)	PC 100 EN 10	10
MULTI-POINT (locate-and-apply stylus)	LG 300 EN 01	1



P-STIM



P-STIM Set



Multi-Point

MANUFACTURER

BIEGLER GmbH
Allhangstrasse 18a
3001 Mauerbach, Austria

Tel: +43 1 979 21 05
Fax: +43 1 979 21 05 16
office@biegler.com
www.biegler.com

DISTRIBUTOR



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MEDIZIN ELEKTRONIK