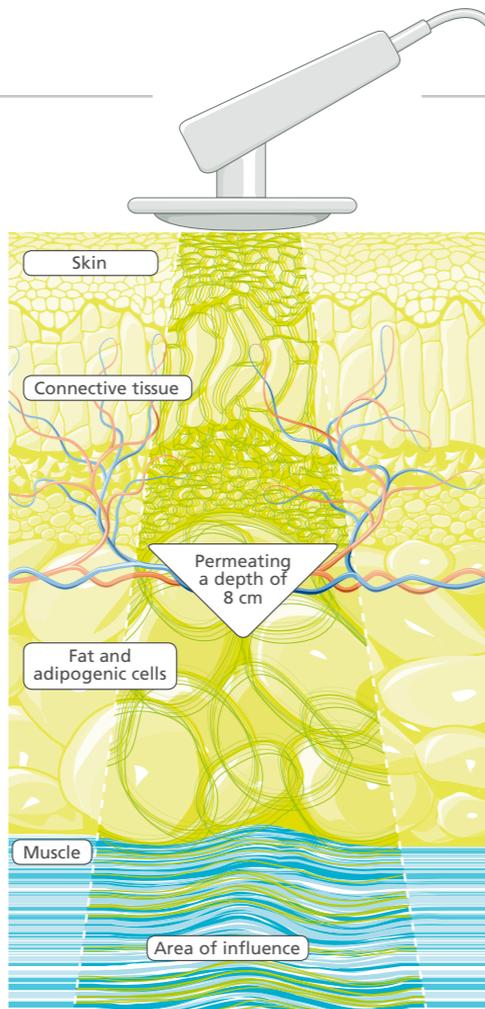


HOW IT WORKS

In contrast to externally applied, mechanical forms of therapy, (e. g. vibration), the therapy effect of DEEP OSCILLATION® takes place in the tissue itself and works through the entire depth of the tissue. This causes DEEP OSCILLATION® to be especially gentle and makes it an unmatched treatment alternative for fresh trauma, from Day One post operatively, for acute pain and in the area of open wounds.

SCHEMATIC REPRESENTATION
Electrostatic pulses create pleasant, deeply effective oscillations in the tissue. This has directly trophic-enhancing, muscle-relaxing and local anti-inflammatory effects. Swelling and oedema are absorbed much more quickly, pain is subdued. Wound healing is stimulated.



APPLICATION AND OPERATION



DEEP OSCILLATION® Personal was designed for individual, mobile use. Battery operation and a handy size guarantee flexible use, both on the road and at home.



A generous graphic display, together with the single button operation, guarantee very easy program selection and a good overview.



The SPORTS therapy card provides pre-programmed treatments, normally consisting of different treatment sections at various frequencies, as well as informative therapy notes and graphics for treatment.



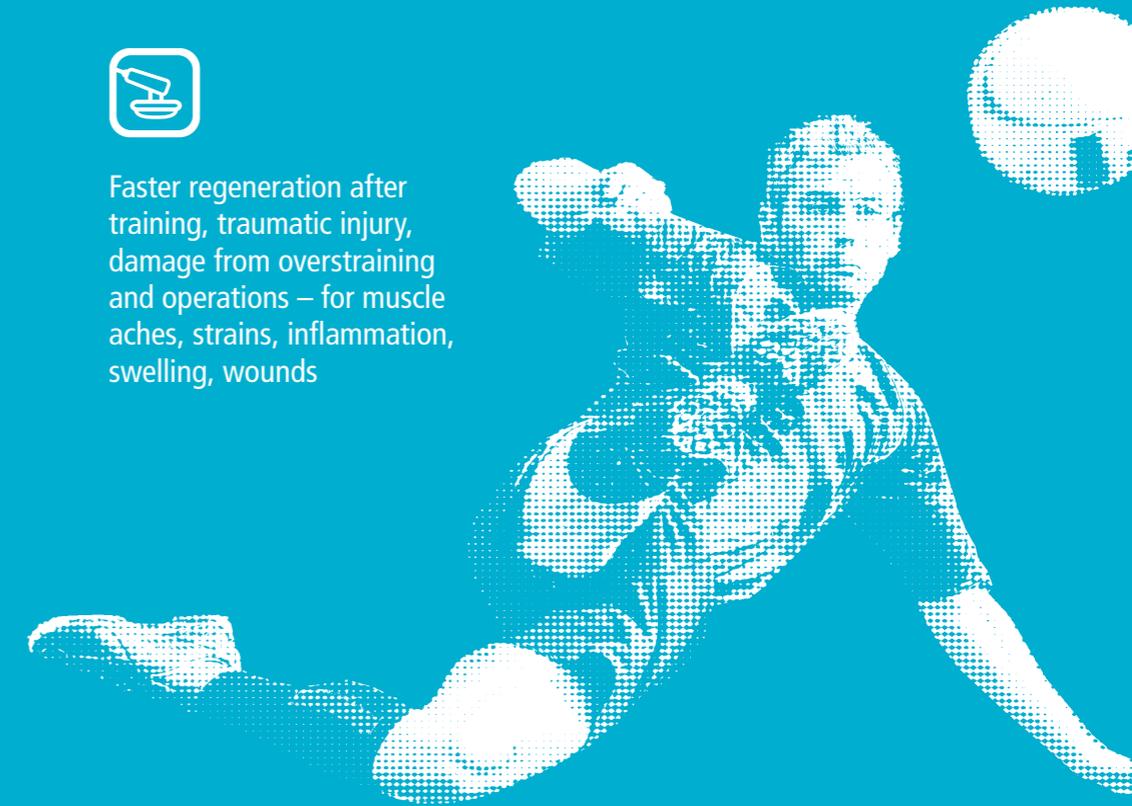
For the treatment, the patient holds a titanium contact electrode loosely between the fingers. The pleasant therapy effect of DEEP OSCILLATION® is created beneath the hand applicator, which is moved in a circular motion above the tissue.

05/2016. Errors excepted. Not responsible for errors. Subject to change without notice.

DEEP OSCILLATION® Personal SPORTS



Faster regeneration after training, traumatic injury, damage from overstraining and operations – for muscle aches, strains, inflammation, swelling, wounds



PHYSIOMED®

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DEALER MARK / STAMP

TECHNOLOGY FOR THERAPY

PHYSIOMED®

FIELDS OF APPLICATION



TREATMENT FOR TRAUMATIC INJURY AND DAMAGE FROM OVERSTRAINING

For traumatic injuries and damage from overstraining, DEEP OSCILLATION® has an anti-inflammatory and oedema-reducing effect. It directly stimulates self-mobilization in areas relieved of pain and thus enables an earlier return to active forms of therapy and training.



The SPORTS therapy card provides pre-programmed treatment courses for all relevant sport applications.



TRAINING AFTERCARE AND PERFORMANCE STABILIZATION

In training aftercare, DEEP OSCILLATION® is known for its rapid, muscle-relaxing and pain-relieving effects, and for its direct effect against microtrauma (muscle aches). Roughage and cell remains are removed more quickly through the treatment. This promotes a more effective nutritional supply to the muscle cells, thus accelerating the restoration to optimal performance. Regeneration times in the systematic training process can thus be reduced.

PRE- AND POSTOPERATIVE THERAPY

With DEEP OSCILLATION®, swelling and oedema can be relieved pre- and postoperatively considerably faster than with conventional therapies. Because it can be used at an extremely early stage, healing processes are stimulated and accelerated, local inflammation is inhibited and pain is reduced over a sustained period.



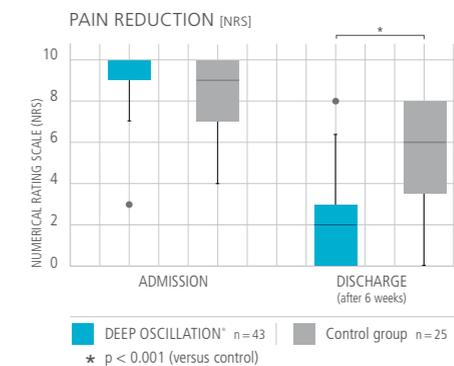
BIOLOGICAL / CLINICAL EFFECTS



PAIN REDUCTION (NRS)

The pain-reducing effects of DEEP OSCILLATION® can be characterised by the allocation and modulation of pain and inflammation via promotion of mediators in the interstitium and the relaxation of muscle spasms. Pain is significantly reduced promoting mobility in the area.

Source: Aliyev, R. (2012): Better Functional Results of Conservative Treatment in Fresh Lateral Ligament Injuries of the Ankle with Additional Deep Oscillation. Phys Med Rehab Kuror 22, 9-15.



VOLUME MEASUREMENT OEDEMA (3D MEASURING)

On the level of the interstitium, DEEP OSCILLATION® causes a »Shuffling« of the basic substance. Because of this mechanical activation the septa of initial lymphatics are kept open. Thus the interstitial drainage, the removal of interstitial fluid as well as content material, is accelerated significantly.

Source: Jahr, S., Schoppe, B., Reishauer, A. (2008): Effect of treatment with low-intensity and extremely low-frequency electrostatic fields (Deep Oscillation) on breast tissue and pain in patients with secondary breast lymphoedema. J Rehabil Med, 40(8), 645-650.

