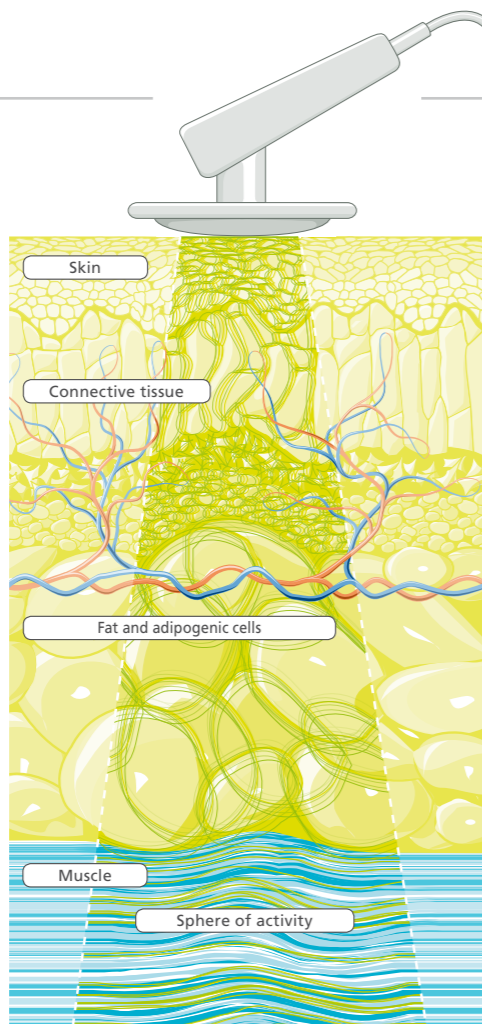


## HOW IT WORKS

In contrast to other forms of physiotherapy, DEEP OSCILLATION® has a gentle and deep-acting effect on all tissue components (cells and the extracellular matrix). For this reason, it is ideally suited for the treatment of acute pain and tension due to postpartum engorgement and quickly results in the normalisation of lactation. The treatment is extremely beneficial to postoperative wound healing. DEEP OSCILLATION® is also well-suited for the treatment of aesthetic problems such as cellulite. The biological and clinical effects of DEEP OSCILLATION® have been proven in numerous representative experimental and clinical studies.

### DIAGRAM

Electrostatic pulses create pleasant, deeply effective oscillations in the skin, connective tissue, subcutaneous fatty tissue, muscles, blood and lymph vessels. Pain is permanently alleviated, reddening of the skin is diminished, oedema is resolved and wound healing is accelerated. The vibrations have an immediate trophic, anti-inflammatory and purifying effect and promote the removal of interstitial fluid.



## USE AND OPERATION



DEEP OSCILLATION® Personal was designed for professional, individual and portable use. The fact that it is battery-operated and its handy size ensure flexible use while on the road or at home.



A brilliantly illuminated graphic display unit in connection with the single button control ensure effortless operation.



The POSTPARTUM therapy card contains pre-programmed treatment courses that, as a rule, consist of different treatment phases of varying frequencies as well as informative treatment tips and graphics.



During treatment, the patient holds a titanium contact element loosely between her fingers. The hand-held applicator is moved in a circular motion over the affected tissue, thereby creating the therapeutic effect of DEEP OSCILLATION®.

04/2013. Errors and changes excepted.

## DEEP OSCILLATION® Personal POSTPARTUM



Safe and highly effective treatment of postpartum breast pain, plugged milk ducts and pregnancy-related problem areas. Optimized healing of the surgical wounds after a caesarian section.

# PHYSIOMED®

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DEALER MARK / STAMP

TECHNOLOGY FOR THERAPY

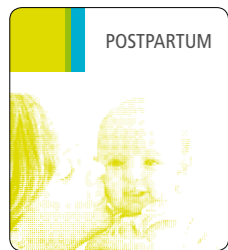
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# AREAS OF APPLICATION

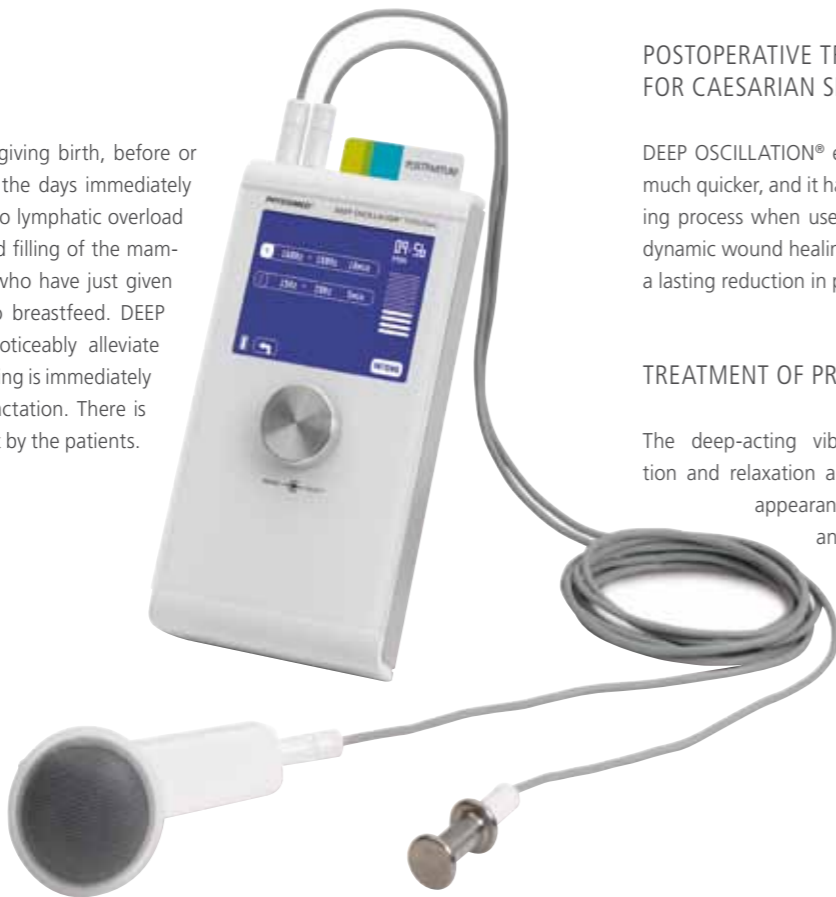


## POSTPARTUM BREAST PAIN AND TENSION (PLUGGED MILK DUCTS)

The symptoms generally occur two to four days after giving birth, before or when lactation begins. The cause of the symptoms in the days immediately after giving birth are hyperemisation and oedema due to lymphatic overload and increased volume as well as increased secretion and filling of the mammary glands. This is an additional burden for women who have just given birth that could possibly hamper a woman's desire to breastfeed. DEEP OSCILLATION®'s gentle vibrations immediately and noticeably alleviate spontaneous pain and tenderness. The tension and swelling is immediately relieved and thus contributes to the normalisation of lactation. There is also a high level of acceptance of the soothing treatment by the patients.



The POSTPARTUM therapy card contains pre-programmed treatment processes for relevant applications including postpartum breast pain and tension, postoperative treatment and selected aesthetic treatments.



## POSTOPERATIVE TREATMENT FOR CAESARIAN SECTIONS

DEEP OSCILLATION® eliminates postoperative swelling and oedema much quicker, and it has a positive and accelerated effect on the healing process when used on the first postoperative day. The result is dynamic wound healing with softer, more flexible scars. There is also a lasting reduction in pain.

## TREATMENT OF PREGNANCY-RELATED PROBLEM AREAS

The deep-acting vibrations train the muscles through activation and relaxation and keep them taut. The skin retains its taut appearance, for instance reducing the appearance of stretch marks, by stimulating collagen production and cell regeneration. DEEP OSCILLATION® has been clinically proven to counteract all the pathological effects of cellulite.



# BIOLOGICAL / CLINICAL EFFECTS

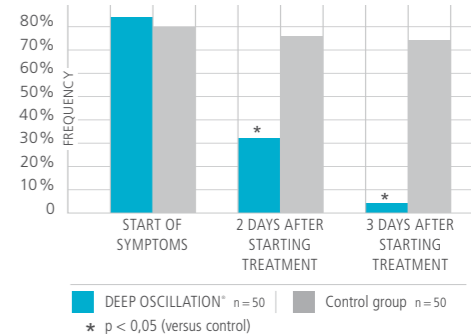


## SPONTANEOUS PAIN DUE TO PLUGGED MILK DUCTS

Comparisons of the treated and untreated sides revealed that the side receiving treatment showed considerable improvement on the third day after starting treatment. Spontaneous pain was only recorded by the recently delivered women in 4 % of cases on the treated side, compared to 74 % on the untreated side. The results were similar for tenderness.

Source: Johanning-Csik, F. (1994): Behandlung postpartaler Brustschmerzen und -spannungen mit dem Intensivierungssystem Hivamat. Medizinische Dissertation. Erlangen - Nürnberg.

SPONTANEOUS PAIN [VISUAL ANALOGUE SCALE (VAS) / N=50]



## PROMOTION OF WOUND HEALING

DEEP OSCILLATION® helps in speeding up and improving wound healing processes. Through the oedema-reducing and anti-inflammatory effect, the local metabolic elimination and alimentation is improved in all tissue layers, whereby tissue renewal and scar formation are clearly encouraged and accelerated. This is documented by the significant improvement in planimetric and biochemical parameters of wound healing.

Source: Mikhalchik E. et al. (2005): Wound Healing Effects of DEEP OSCILLATION®. 1st International conference on Skin and Environment, Moscow-St., Petersburg, 1-6 June, 71.

PROMOTION OF WOUND HEALING [PLANIMETRIC RESULTS]

