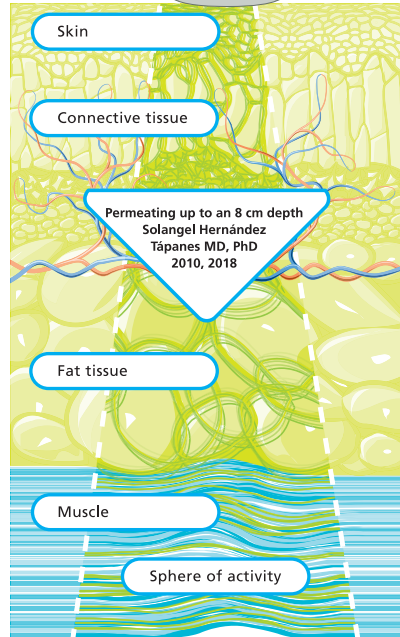


Deep Oscillation

HOW DEEP OSCILLATION WORKS

DEEP OSCILLATION® (HIVAMAT®) delivers a gentle, pressure-free therapy utilising an electrostatic field built up between the patient's skin and the clinician's gloved hands or a hand-held applicator. Because it does not produce heat, it can be used safely over metal. Tissue layers are gently attracted and released electrostatically between 5–250 times a second. This creates a deep-acting oscillation reaching depths of up to 8 cm, permeating the skin, connective tissue, adipose tissue, muscle, and lymphatic structures. These rhythmic oscillations act directly on the extracellular matrix, mobilising interstitial fluid and its contents to comfortably assist natural lymphatic drainage.



HOW DEEP OSCILLATION IS APPLIED

The therapy is applied either with vinyl gloves or a special applicator. For the treatment, the patient holds a titanium neutral element between the fingers or toes (if appropriate). The pleasant therapy effect of deep oscillation is created beneath the special gloves of the therapist (supportive other/carer) or a specially designed hand applicator/s (second contact) circling over the tissue. The applicators also enable self-treatment via the personal unit.



PATIENT-REPORTED BENEFITS IN LIPOEDEMA

Clinical experience and patient diaries highlight key benefits of incorporating Deep Oscillation into a long-term care plan. It soothes tissue discomfort by easing burning sensations, cramps, muscle tension, and joint stiffness. It provides fluid and lymphatic support by facilitating local fluid dynamics and comfortably assisting natural flow. Finally, it improves tissue pliability and mobility by gently softening stubborn areas and relieving the sensation of heavy limbs.

CLINICAL ENDORSEMENTS



"I recommend Deep Oscillation for pre Lipoedema liposuction in all Stage 3 and selected Stage 2 Lipoedema sufferers because I find that deep oscillation therapy softens the fibrosis, with less bleeding, less complications and quicker recovery."

Mr Vasu Karri, Consultant Plastic Surgeon



"As a leading global educator on scar therapy, and for my private clinic in London's medical centre – Harley Street – I always want to select safe, effective ways to support my clients through recovery and to improve their quality of life after a traumatic injury or surgery. One therapy device I have found truly transformative is DEEP OSCILLATION®, which I use regularly for scar recovery and chronic pain conditions."

Emma Holly, Leading international educator scar tissue therapy

CONTACT & REGULATORY INFORMATION

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NHS APPROVED SUPPLIERS

THERAPY INFO

DEEP OSCILLATION®

Modulate pain, manage swelling, support mobility



Empowering self-care at home, for clinical practice and hospital integration.

Dear Reader,

Are you, or those in your care, seeking gentle, supportive relief for:

- **Persistent Pain** (acute, chronic, or fibromyalgia)
- **Swelling & Oedema** (lymphoedema, lipoedema, or fluid retention)
- **Tissue Stiffness** (fibrosis or tissue hardening)
- **Recovery Challenges** (burns, wounds, and scars)?

Does physical discomfort restrict daily mobility and compromise overall quality of life?

DEEP OSCILLATION® is integrated within modern multidisciplinary care to help support a return to a more comfortable, active life.

Utilised clinically for 37 years, this gentle, non-invasive physical modality acts as a supportive adjunct to help modulate pain, lessen reliance on medication, and serve as a valuable conservative preparation before and after surgical interventions.

Clinical and physiological responses are frequently reported after a short course of sessions, with many patients experiencing a noticeable improvement in tissue comfort and mobility in the early stages of their care pathway. This brochure outlines the biophysical mechanism of deep oscillation, its clinical applications, and the published scientific references behind its use.

Please contact the PhysioPod® UK team to explore how this pressure-free therapy can support your care pathway—whether for self-care at home using the Personal Basic or Personal Pro, or in private practices and hospitals, where healthcare professionals can work with any device in our range, including the Personal Basic, Personal Pro, and Deep Oscillation Evident.

DEEP OSCILLATION® is recommended by:
www.lymphedema-clinic.com

WITTLINGER **Dr. VODDER AKADEMIE**
INTERNATIONAL

LYMPHEDEMA CLINIC MANUAL LYMPHDRAINAGE
ORIGINAL METHOD

Center for excellence in lymphedema treatment
Lymphedema rehabilitation center - Treatment
Academy - Training - Research

Fields of application

PAIN MODULATION

Deep oscillation has been shown to contribute to pain modulation and improved tissue comfort in both acute and chronic conditions. A pulsed electrostatic field generates gentle endogenous microdeformations [highly localised microscopic changes in tissue shape and tension, generated naturally and comfortably within the tissue layers themselves] to support pain modulation and tissue comfort with minimal mechanical load:

- » CRPS stages I and II (Sudeck's disease, complex regional pain syndrome)
- » Epicondylitis (tennis or golfer's elbow)
- » Fibromyalgia syndrome
- » Lumbalgia (back pain, lumbago)
- » Osteoarthritis
- » Trauma (including sprains, strains, whiplash, torn ligaments, and muscle fibres)



SWELLING & FLUID DYNAMICS

In lymphatic disorders and pathological adipose presentations where orthostatic swelling is present, deep oscillation has been reported to support local fluid dynamics and help ease tissue tightness. It is designed to act as a non-traumatic biophysical support to comfortably assist the mobilisation and clearance of interstitial fluid and its contents:

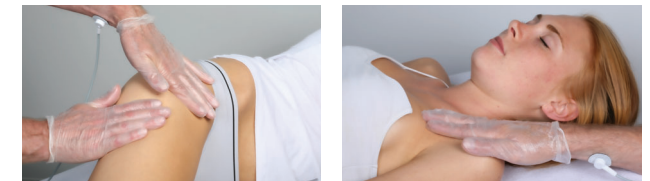
- » Haematoma (bruising)
- » Fibrosis & Tissue Induration (the pathological thickening, scarring and physical hardening of tissue layers)
- » Chronic oedema, lymphoedema, and lipoedema symptoms



SURGICAL INTEGRATION & SCAR QUALITY

Because of its unique, pressure-free biophysical action, deep oscillation can be introduced with medical or surgical approval from the very first post-operative day. It is widely used to support pre-surgical tissue compliance, comfortably assist in early postoperative recovery, and has been reported to improve subsequent scar quality by promoting tissue pliability:

- » Endoprosthesis (including hip and knee joint implants)
- » Mamma-Ca (following surgical removal of breast cancer and lymph nodes)
- » Osteosynthesis (operative fixation of bones)
- » Skin transplantation



WOUND HEALING DISORDERS

In case of diabetic and surgical wound-healing delays, deep oscillation is used efficiently and can often restart and support the natural wound-healing process:

- » Decubitus ulcers (bedsores)
- » Diabetic foot conditions
- » Ulcus cruris (lower leg ulcers)

BURNS & SCAR MANAGEMENT

In the clinical management of burns and scars, gentle electrostatic oscillations have been reported to facilitate accelerated tissue softening, mitigate local inflammatory responses, improve the elasticity of contractures, help ease itching and physical discomfort, and contribute to qualitatively improved healing outcomes.

EFFICACY DOCUMENTED IN OVER 90 STUDIES

The biophysical mechanism, penetration depth, and physiological efficacy of deep oscillation are extensively documented by numerous peer-reviewed experimental and clinical investigations. Notably, a 2026 peer-reviewed review published in the Journal of Clinical Medicine classifies Deep Oscillation under Oxford Level of Evidence 2 for supportive oncology rehabilitation.

