

## How does DEEP OSCILLATION® work?

During the treatment, patients loosely hold a titanium contact element between their fingers. The pleasant therapeutic effect of deep oscillation is created beneath the therapist's gloves or the manual applicator, which is moved in circles above the tissue. This successful form of treatment has been used for more than 30 years. It is a non-invasive, non-traumatic and highly effective approach.

### The following physiological effects of deep oscillation treatment have been clinically documented:

- Pain reduction
- Anti-inflammatory effect
- Oedema resorption
- Promotes wound healing
- Anti-fibrotic
- Improved tissue quality

The device for clinics  
**DEEP OSCILLATION®**  
Evident Clinics



## DEEP OSCILLATION® ... more than just a therapy

PHYSIOMED Elektromedizin AG is one of the leading manufacturer of high quality products for classic and innovative physical and biomechanical diagnostic and therapeutic forms. We have been active in the development and production of medical devices since 1973.

### Inquire now!

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Yashkov A.V., Gazdieva E.M., Badyanova I.S. (2007): Efficacy of intermittent low-frequency electrostatic field in the sanatorium-based complex treatment of patients with chronic obstructive pulmonary disease. Kurortniye Vedmosti 3(42), 62-63.



## PHYSIOMED®

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# DEEP OSCILLATION

for COVID-19 Patients with Pulmonary Edema

Most effective  
at different  
pulmonary  
diseases!

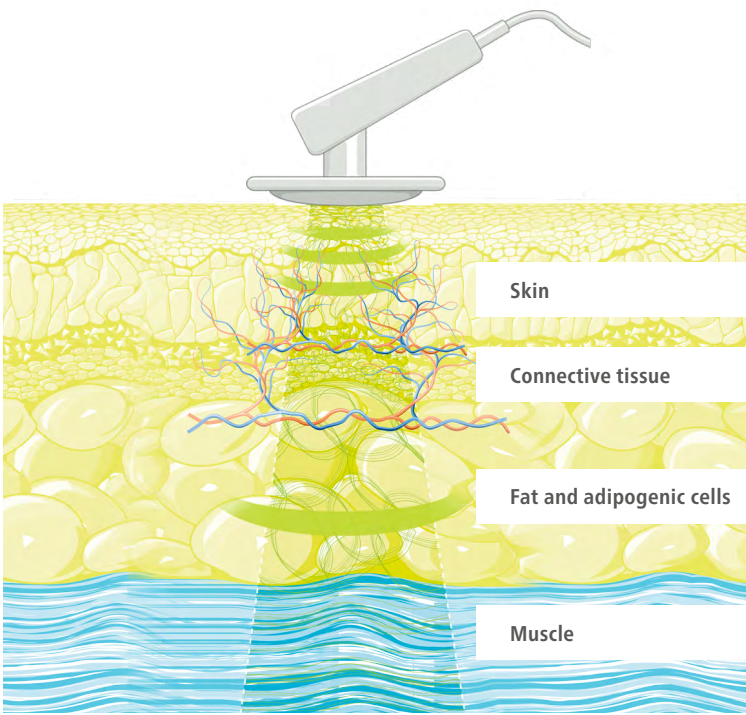
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# What is DEEP OSCILLATION?

**DEEP OSCILLATION®** is a unique treatment method that works via an alternating electrostatic field established between the patient's tissue and an applicator or the therapist's gloved hands. As the gloved hands or applicator glides over the skin electrostatic forces alternately attract and release the tissue, resulting in gentle but deep resonant vibrations that penetrate all tissue layers. At the proper parameter setting, deep oscillation can cause the entire thoracic cavity to vibrate.

**Gentle and efficient: penetrates tissue to a depth of up to 8 cm**



# Use in pulmonary edema

COVID-19 patients develop pulmonary oedema as a frequent complication. In such cases, deep oscillation can make an important contribution. No explicit studies have been presented for this indication yet, but a few treatments have already yielded visible results.

The studies mentioned and the feedback from numerous users document the following results:

- Mucolytic effect
- Expectoration is facilitated
- Interstitial drainage and pulmonary lymph activity increase
- Respiratory musculature relaxes
- Ventilation improves
- Adhesiolysis (diminishing of fibrotic adhesion in lungs/thoracic wall)

Through reduction of the "lung load," the "load on heart's left side" is reduced, leading directly to an improvement in overall condition.

In intensive care, deep oscillation treatments are possible before and after possibly indicated ventilation. While patients are being ventilated, treatment is not indicated because of possible interference with the ventilator and possible spasms.

# Use in pulmonary fibrosis

After recovery, fibrosis of pulmonary tissue may occur in COVID-19 patients, even those with an otherwise moderate course.

**Studies and empirical progress reports show that deep oscillation treatment slows down or even halts the fibrosis of interstitial pulmonary tissue.**

Deep oscillation treatments can slow down or even halt the progress of fibrosis. And DO treatment can lead to the diminishing of fibrotic adhesion between the lungs and thoracic wall.



**PHYSIOMED®**