



en**Shock**

ENSHOCK

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More and more physicians in orthopaedics and general medicine, in rehabilitation hospitals, and in the field of sports are expanding their range of treatments with extracorporeal, focused shock wave therapy (ESWT).

This effective method is the only noninvasive alternative for many conditions, such as in the case of shoulder calcification or inflammation of the Achilles tendon: Just three to six ESWT therapy sessions can spare patients from surgical interventions or the administration of medications containing cortisone and the associated risks and side effects.

People with chronic pain often experience a significant improvement after just a few sessions. This is one of the reasons why therapy with enShock also plays a significant role in the field of sports medicine.

Originally, focused shock waves were used in urology in order to shatter gallstones or kidney stones and facilitate their removal. Extracorporeal, focused shock wave therapy (ESWT) is now used in orthopaedics and general, rehabilitation and sports medicine to treat chronic and acute discomfort in numerous musculoskeletal indications.

The effective alternative
to surgery

Proven to be highly effective

In the most common indications in orthopaedic practice, therapy with focused shock waves has quick and lasting effects.

Studies show

- long-term pain relief, often even during or immediately after the treatment,
- a noticeably positive effect on inflammatory reactions in musculoskeletal discomfort/conditions,
- very good effects on bone healing, especially also in the treatment of nonhealing fractures and pseudoarthroses
- as well as in the elimination of calcification in tendons, for example, in the case of shoulder calcification.

ESWT expands blood vessels, stimulates the formation of new blood vessels, and thus promotes circulation.

An important precondition for supplying the tissue with nutrients and detoxifying it and for rapid healing of diseased, injured, or inflamed tissue structures/of diseased muscle, tendon, or bone tissue.

More and more doctors are therefore expanding their therapeutic spectrum with this effective method.





enShock opens up new target groups

People with chronic pain and bone healing problems are the largest patient group in orthopaedic practice. Therapy with focused shock waves is particularly effective in these conditions. This also applies to many other indications, such as for the three most common musculoskeletal problems: heel spurs, shoulder calcification, and tennis or golfer's elbow. In addition, in many diseases, ESWT is the only noninvasive option and thus has no alternative for elderly or ill persons who cannot expose themselves to the risk of surgery. All in all, most of your patients benefit from enShock. And thanks to many satisfied patients, the innovative therapy system also pays for itself quickly for your practice.

The treatment

- For localised discomfort, place the handpiece directly on the pain or trigger points (= static treatment).
- For demarcated but painful treatment areas, run the handpiece evenly from the point of pain outwards (= semi-static treatment).
- For larger treatment areas, guide the handpiece without stopping and interrupting the pulse frequency over the entire surface (= dynamic treatment).
- With 8 different gel pads for various depths of penetration, you reach each treatment area in a targeted manner. Pinpoint to a depth of 45 mm below the surface of the skin.

The treatment with enShock



Other ESWT indications:

- Calcific tendinitis and tendinopathy of the shoulder joint
- Pseudoarthrosis, nonhealing fractures or fractures with delayed healing, as well as osteochondritis dissecans or also bone necrosis (femoral head necrosis, knee)
- Stress fracture

enShock

FOCUS ON HEALING



Your advantages at a glance

Convenient operation is a priority

Thanks to the straightforward menu navigation and the clearly arranged touch display, *enShock* can be operated quickly and intuitively. Indication-based therapy protocols provide extra treatment security. The *enShock* is also optionally available with a 3-pedal foot switch for start/stop and for adjusting frequency and energy. As a result, you are independent of the terminal during therapy, and you can turn towards your patient and have one hand free, for example, to palpate pain points.

Simply pleasant

enShock runs incomparably quietly. Even in the case of intensive use during continuous operation, the quiet handpiece is easy to handle. Guaranteed to be free of troublesome secondary effects.

Patients can relax in the quiet atmosphere. Using the sensitive fine-tuning for the intensity and frequency of the shock waves, you can additionally configure the treatment to be as pleasant as possible.

The first quiet shock wave therapy system



Runs. Quiet and maintenance-free.

enShock from Zimmer MedizinSysteme sets new standards in therapy with extracorporeal, focused shock waves: Because enShock is the first quiet shock wave. And it runs and runs. Guaranteed maintenance-free. For many years.

Works deep in the tissue

The innovative therapy system is an addition to the shock wave product family of the renowned medical device manufacturer. The high-energy, focused shock waves from enShock have a healing effect in deeper layers of tissue. Precisely where the pain is.

Incidentally: The gentle radial shock wave enPuls from Zimmer, with its shallower depth of penetration, is very suitable for treating muscle tension. Ideal after a therapy session with focused shock waves!



The gentle way for chronic pain

As a noninvasive alternative to inpatient surgery, ESWT offers many benefits to patients with chronic pain:

- The treatment takes place on an outpatient basis,
- without the risks of anaesthesia, side effects, or allergies.
- Noticeable pain relief, often after just 1 or 2 treatments,
- no preparation, no postoperative monitoring,
- no limitations in ability to perform work or sports following therapy.



Technical data

Technical data enShock

Technology

Energy
Frequency

Programmes

Controller

Dimensions
Weight

MD

Piezoelectrically focused shock waves

0.005 – 0.500 mJ/mm², freely adjustable in 0.005 mJ increments
1 to 12 Hz; can be adjusted in 1-Hz increments

19 preset programmes which can be individually adapted

11" colour touch screen and central knob

405 x 207 x 424 mm (L/W/H), without trolley
23 kg (without handpiece)

Technical data – Handpiece

Ergonomic: Plastic and aluminium housing

Generator
Service life

Piezoelectric elements
Guaranteed for 3,000,000 shocks, 2 years

Dimensions

14 cm long, 11 cm diameter (max.)

Gel pads

Diameter of 5, 10, 15, 20, 25, 30, 35 and 40 mm
Can be changed without tools

Power consumption

220 - 230 V; 50/60 Hz, max. 300 VA

Contents

enShock control unit, handpiece, set of 8 gel pads, power cable, 1 bottle of conductive gel, instructions for use

Transport
Storage

-10°C to 50°C, 20% to 85% humidity
Without condensation; 700 hPa – 1060 hPa

Optional



Foot switch



Device trolley



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