

Radial Shock Waves
Economically treating musculoskeletal
disorders

physio**gold**50



Fast and economic pain relief with physiogold50

Radial shock wave therapy is a non-invasive therapy method for the fast and economic treatment of numerous musculoskeletal disorders, also in the chronic state.

Treatment with physiogold50 represents an ambulatory alternative to surgical intervention as well as medication with virtually no side effects. It does not require any anaesthesia and can be effected in hospital environment as well as on an outpatient basis.

Operating mode

Shock waves are pressure waves. If pressure waves are generated mechanically, they are called radial shock waves. Radial shock waves are produced when the pneumatically accelerated projectile hits the transmitter within the applicator.

The radial shock waves spread radially expanding into the skin and underlying first layer of tissue where they unfold their healing effects. They are coupled into the affected tissue by means of ultrasound gel.

The effectiveness of radial shock wave therapy is clinically proven.

Healing mechanism of physiogold50

Radial shock wave treatment initiates numerous healing effects within the treated area.

It is thought to:

- Increase the metabolic activity as well as blood circulation,
- Decrease the inflammation caused by analgesic action,
- Decrease muscle tension and hence
- Stimulate and accelerate the healing process.

Application

physiogold50 can be used in various application fields such as orthopaedics, rehabilitation, sports medicine and aesthetics.

Its application requires minimum treatment time and is easily practicable:

1. Locate area of pain through palpation,
2. Select and set treatment parameters with physiogold50,
3. Apply coupling gel onto the treatment area and
4. Start radial shockwave treatment.

physiogold50

physiogold50 is a small and light weight therapy system, ideal for mobile and home care use.

It consists of a main unit with integrated air compressor and features three applicator types (focused & multifocused) for the treatment of a broad indication range.

The therapy system can be intuitively and easily operated via an 8" LCD touch screen and saves up to 250 treatment protocols to simplify daily treatment process.

Its state of the art technology and first-class materials guarantee high quality radial shock waves, best possible treatment results and satisfied patients.

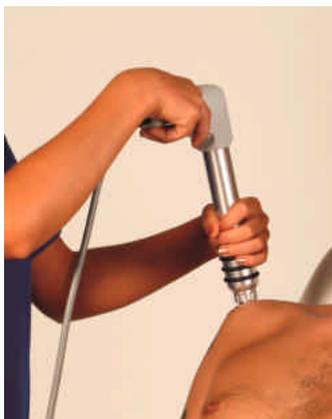
Treatment with physiogold50 is characterized by a minimum time required for treatments and healing as well as a high success rate in patients.

Indications

- Impingement syndrome with and without calcification
- Epicondylitis humeri radialis and ulnaris (tennis-/ golfer elbow)
- Achillodynia
- Patella tipp syndrome
- Painful trigger points
- Acupuncture points
- Tibialis anterior syndrome
- Bursitis trochanterica

physiogold50 Equipment

- Main unit with integrated air compressor
- 8" LCD touch screen
- Internal storage of up to 250 treatment protocols
- Multifocused transmitter \varnothing 9mm
- Multifocused transmitter \varnothing 15mm
- Focused transmitter \varnothing 15mm
- Trolley cart



physiogold50



Technical data

Power supply:	230 VAC, 50-60 Hz
Energy flux density (ED):	Up to 0.37mJ/mm ²
Shock emission pressure:	1-5 bar
Shock emission frequency:	1-22 Hz
Shock emission mode:	Single, continuous, burst
Total no. of shocks available:	Up to 2 million
Dimension (l x h x d):	375 x 177 x 330 mm
Weight:	12 kg

MTS is specialised in development and manufacture of Spark Wave therapy systems that are successfully used in orthopaedics, traumatology, wound care and urology worldwide.

Our interdisciplinary team of physicians, biologists, physicists and engineers cooperates in research and development with world-renowned universities and scientific research institutions to set the standard for new treatment methods.

An international network of partners and distributors provides our customers the highest level of expertise and reliability.

Experience the new gold standard: intelligent Spark Waves for better quality of life.

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Issue July 2013