



Radial Shock Waves
Economically treating
musculoskeletal disorders

physiogold50[®]

 **MTS**
SPARK OF EVIDENCE

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

Radial shock waves are produced mechanically, whilst a pneumatically accelerated projectile hits the transmitter within the applicator.

The radial shock waves spread radially expanding into the skin and underlying 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 such as:

- Increase of metabolic activity as well as blood circulation
- Decrease of inflammation caused by analgesic action
- Decrease of muscle tension and hence
- Stimulation and acceleration of healing process.

Application of shock waves with physiogold50®

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's consists of a main unit with integrated air compressor and features three applicator types for the treatment of a broad radial 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. Shock waves are comfortably released via release button at the applicator hand piece.

It's state of the art technology and first-class materials guarantee high quality radial shock waves, a minimum time required for treatments, good treatment results and satisfied patients.

physiogold50® may also be perfectly combined with MTS' orthogold100®. The combination of the Spark Wave® therapy system with a radial source opens up an even wider indication spectrum for economic and efficient treatment results.

Indications

- Impingement syndrome with and without calcification
- Epicondylitis humeri radialis / ulnaris
- Achillodynia
- Patella tip 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 ø 9 mm
- Multifocused transmitter ø 15 mm
- Focused transmitter ø 15 mm





physiogold50[®]

Technical data

Power supply:	230 VAC, 50-60 Hz
Energy flux density (ED):	Up to 0.37 mJ/mm ²
Shock emission pressure:	1-5 bar
Shock emission frequency:	1-22 Hz
Shock emission release:	Via release button at applicator hand piece
Shock emission modus:	Released via applicator: single, continuous, burst
Life cycle applicator kit:	Up to 2 million
Dimension (l x h x d):	375 x 177 x 330 mm
Weight:	12 kg

Accessories

- Trolley cart
- Soft bag for secure and easy transport

MTS is specialized in development, manufacture and distribution of Spark Wave[®] therapy systems that are successfully used worldwide in orthopedics, traumatology, wound care and urology. Our patented Spark Wave[®] technology guarantees the medically most effective shock waves, a consistently high treatment quality as well as excellent treatment results that are achieved with the lowest number of treatments required of all technologies.

For the development of innovative therapy methods – even for indications which are hard to treat – we cooperate with internationally renowned universities and research institutions and are able to offer not only numerous clinical evidence studies but also a leading position in different international markets. We therefore consider ourselves among the pioneers in the field of non-invasive tissue healing and regeneration. Let yourself be convinced by the Spark of Evidence.



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