SHOCKWAVE THERAPY

FAST PAIN RELIEF AND MOBILITY RESTORATION

SHOCKWAVE THERAPY

FAST AND PERMANENT RELIEF FROM PAIN

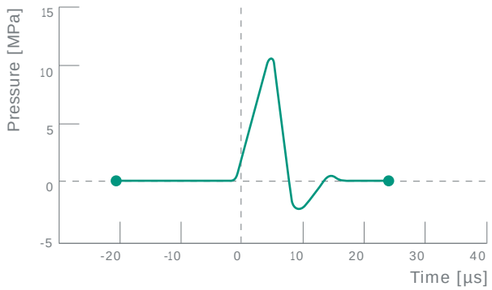
- Unique, non-invasive solution for musculoskeletal pain
- Just three to four treatments needed at weekly intervals
- A therapy session only takes about 10 minutes

FIELDS OF APPLICATION

- Orthopedics
- Rehabilitation
- Sports medicine

MECHANISM OF ACTION

A shockwave is an acoustic wave which carries high energy to painful spots and myoskeletal tissues with subacute, subchronic and chronic conditions. The energy promotes regenerating and reparative processes of the tendons and other soft tissues.



Shockwaves are characterized by jump change in pressure, high amplitude and non-periodicity.

The kinetic energy of the projectile, created by compressed air, is transferred to the transmitter at the end of the applicator.

ANALGESIC EFFECT

DECREASE OF MUSCLE TENSION, INHIBITION OF SPASMS

Hyperaemia is one of the basic e□ects of Shockwave therapy in the body. It provides better energy supply to hypertonic muscles and their ligamentous structures. Furthermore, it causes lessening of pathological interactions between actin and myosin. This leads to significant reduction of muscle tension.

ENHANCED DISPERSION OF SUBSTANCE P

The activity of Substance P (a pain mediator and growth factor) leads to stimulation of a□erent nociceptive fiber. It also supports development of edema and supports secretion of histamine. Reduction of substance P concentration reduces pain in the a□ected area and decreases the development of edema.

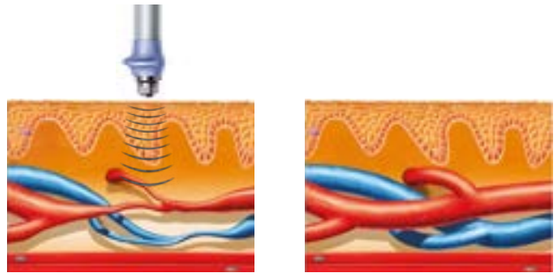
ACCELERATION OF HEALING

INCREASE OF COLLAGEN PRODUCTION

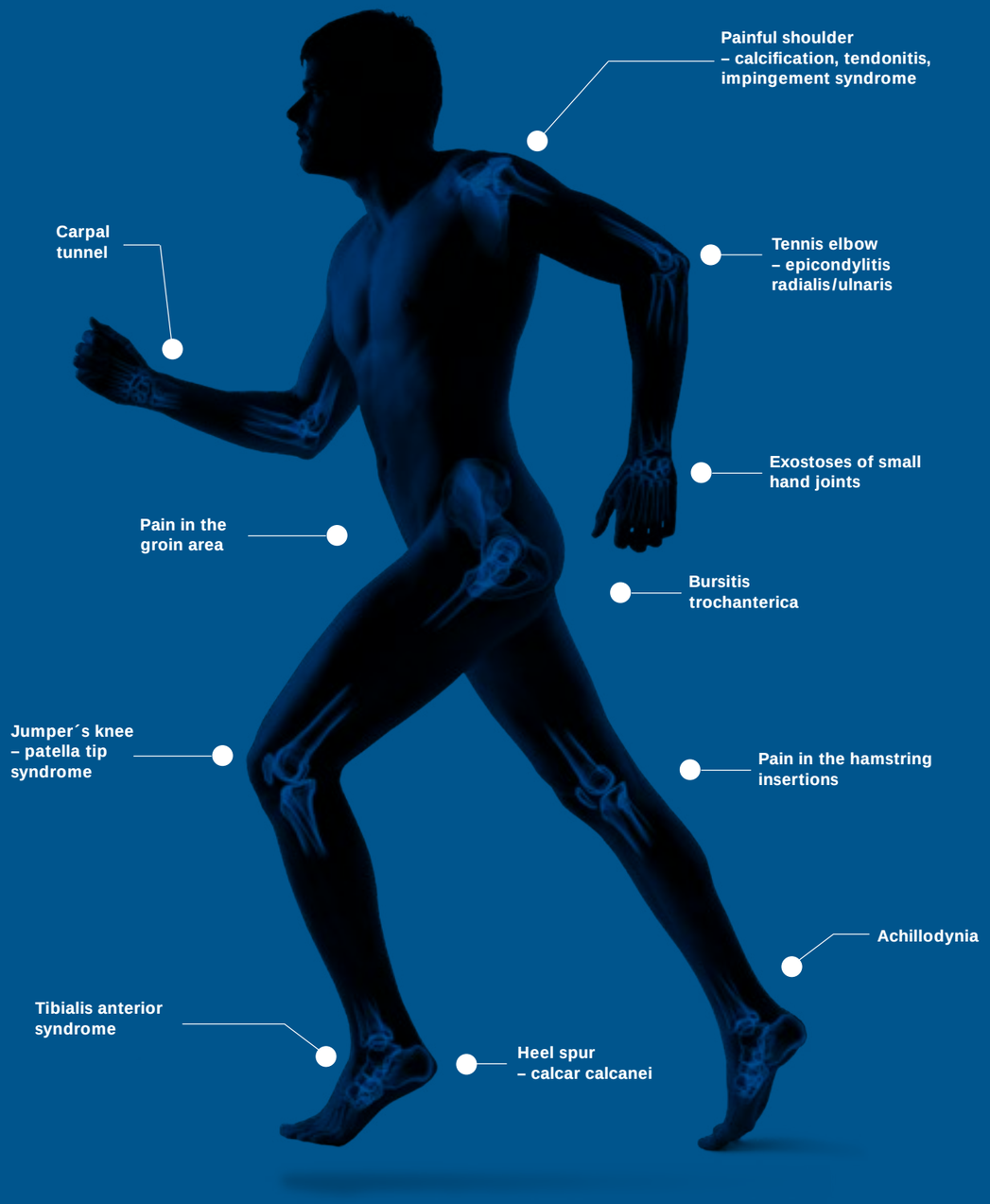
Production of a su□cient amount of collagen is a necessary precondition for the repair processes of the damaged myoskeletal and ligamentous structures.

IMPROVED METABOLISM AND MICROCIRCULATION

The Shockwave therapy technology accelerates removal of nociceptive metabolites, increases oxygenation and supplies damaged tissue with source of energy. It supports removal of histamine, lactic acid and other irritating agents.

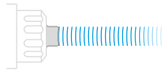
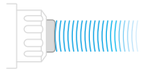


MOST COMMON INDICATIONS

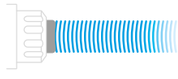
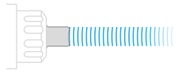
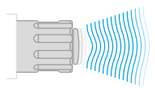
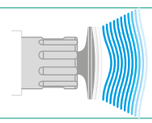


SHOCKWAVE THERAPY
TRANSMITTERS

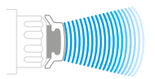
STANDARD TRANSMITTERS

Name	MECHANISM	CHARACTERISTICS	MAIN INDICATIONS
15 MM FOCUSED TRANSMITTER		Steel focused transmitter	Targeted applications
9 MM MULTIFOCUSED TRANSMITTER		Small diameter transmitter	Acupuncture points and precise applications
15 MM MULTIFOCUSED TRANSMITTER		Steel multi-focused transmitter	For all types of applications

SPECIALIZED TRANSMITTERS

Name	MECHANISM	CHARACTERISTICS	MAIN INDICATIONS
15 MM MULTIFOCUSED TITANIUM TRANSMITTER		50% more energy and deeper tissue penetration	All deep-located pathologies
9 MM MULTIFOCUSED TRIGGER TRANSMITTER		Special prolonged shape	Deep-lying trigger points
20 MM VIBRATING TRANSMITTER		Combination of shockwaves and vibration	Soft tissue therapy
36 MM VIBRATING TRANSMITTER		Combination of shockwaves and vibration	Soft tissue therapy of large area applications

TRANSMITTERS WITH SANITARY COVERS*

Name	MECHANISM	CHARACTERISTICS	MAIN INDICATIONS
20 MM TRANSMITTER WITH SANITARY COVER		Sanitary cover for hygienic and comfortable treatment	Sensitive areas Lower energy transfer allows higher therapy comfort
20 MM TITANIUM TRANSMITTER WITH SANITARY COVER		Up to 50% more energy and more profound penetration depth with sanitary cover	Sensitive areas Titanium maximizes shockwave energy transfer