

# Services

## Shockwave Therapy

Shockwave therapy is a multidisciplinary device used in orthopaedics, physiotherapy, sports medicine, urology and veterinary medicine. Its main assets are fast pain relief and mobility restoration. Together with being a non-surgical therapy with no need for painkillers makes it an ideal therapy to speed up recovery and cure various indications causing acute or chronic pain.

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

## Mechanism of Action

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 and further into the tissue.

## Medical Effects

- New Blood Vessel Formation
- Reversal of Chronic Inflammation
- Stimulation of Collagen Production
- Dissolution of Calcified Fibroblasts
- Dispersion of Pain Mediator “Substance P”
- Release of Trigger Points

Acoustic waves with high energy peak used in Shockwave therapy interact with tissue causing overall medical effects of accelerated tissue repair and cell growth, analgesia and mobility restoration. All the processes mentioned in this section are typically employed simultaneously and are used to treat chronic, sub-acute and acute (advanced users only) conditions.