

SHOCKWAVE THERAPY

A Shockwave is not an electric shock. It is a wave, and it can be shocking to whatever it contacts depending on the energy it delivers. A shock wave is an acoustic (sound) wave that is different than typical sound waves. A shock wave is generated through an explosion. Through liquid medium, shockwaves travel fast and with much of their power retained over a distance. (think dolphins clicking to echolocate or disorient their prey).

An explosive shockwave is transmitted through liquid with the instantaneous peak pressure of the explosion that generates it, followed by a vacuum ending of the wave. It is the unique form of this wave that when applied to tissue leads the molecular, cellular, and tissue changes seen to improve healing and restore normal function.

This wave energy has characteristics that promote healing, growth of new blood vessels, activation and recruitment of stem cells, reduced inflammation and pain, healing of nerve tissue, and reduction in scar tissue.

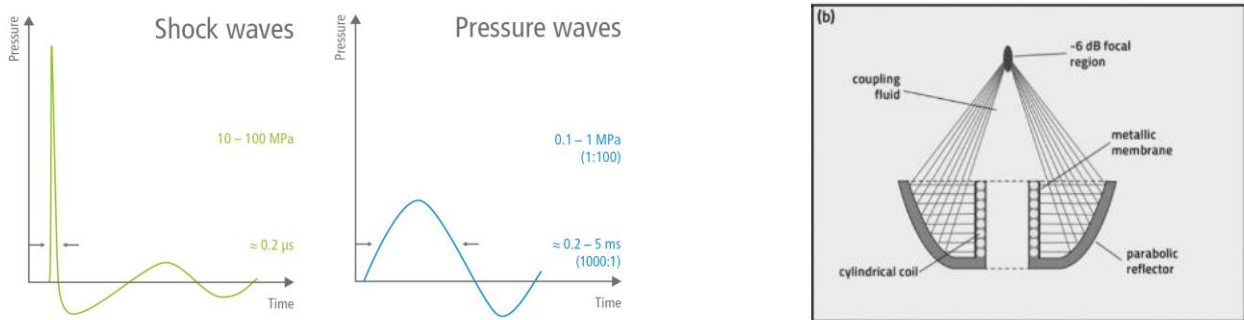


Fig. 15: Typical parameters of focused shock waves and radial pressure waves

>Shock wave is uniquely different than sound or pressure waves

>Electromagnetic focused shockwave lens focuses shockwave to the treatment area

TREATMENT APPLICATIONS OF LOW INTENSITY FOCUSED EXTRACORPOREAL SHOCKWAVE THERAPY ARE MANY.



[No steroids please- click on me](#)

COMMON CONDITIONS THAT SHOCKWAVE THERAPY IS EFFECTIVE.

- Musculoskeletal conditions of all types (arthritis, tendonitis)- treats many painful conditions
- Peripheral neuropathy
- Promotes nerve regeneration
- Erectile dysfunction
- Promotes decalcification and health of blood vessels
- Accelerates delayed healing of injuries.

This is a therapy that does not require needles to be delivered. It is expected to deliver relief as stand-alone therapy, though given the different and additive mechanisms for promoting healing it is often used in combination with platelet growth factors, prolotherapy, and ozone therapy for even greater results.