

Ultrasonic Cavitation Theory

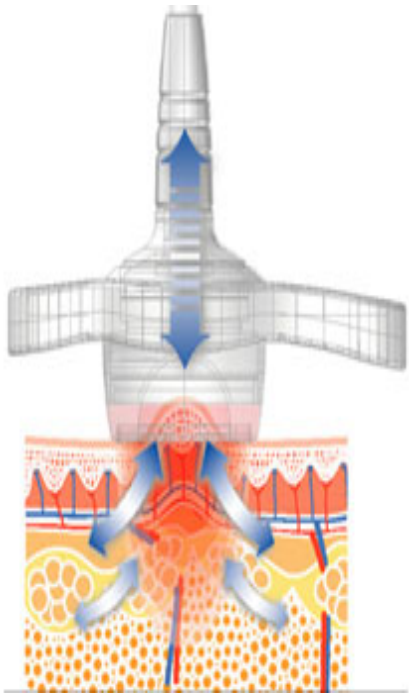
Ultrasonic Cavitation treatments aim to reshape your body instantly. They are pain free & non-invasive, which people have found to deliver consistent, immediate and lasting results. This treatment is the fast and non-surgical type of liposuction that is revolutionizing body shaping globally. The treatment uses pain-free sound waves to deplete stubborn fat cells stored in common body areas.



Ultrasonic Cavitation technology enables concentrated sonic energy to be directed only at localized treatment areas, and is thus capable of selectively disrupting the subcutaneous fat cells through thousands of microscopic implosions impacting the fat cell membranes. After breakdown of adipose tissue (fat cell membrane), the fat is released into the interstitial fluid between the cells, where they are enzymatically metabolized to glycerol and free fatty acids. Water-soluble glycerol travels into the circulatory system used for new energy generation whereas the insoluble free fatty acids enter the liver where they are decomposed like any other simple fatty acid.

Destroying these fat cells removes the body's immediate capacity to store fat, whilst the body's fat cell metabolism is also improved.

Tripolar Radio Frequency



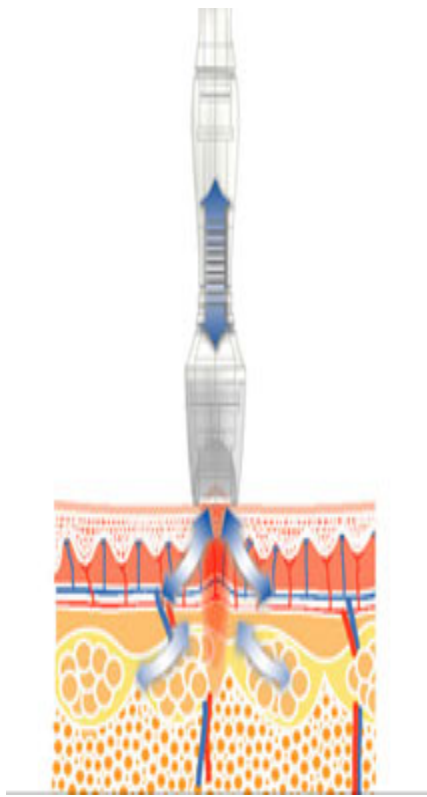
Tripolar RF assists in the Metabolism of Large Fat Granules previously ruptured by cavitation in treatment ONE

The dermis and subcutaneous layer are heated simultaneously forcing collagen fibers to contract. The contracting fibers pull and tighten the skin, creating an immediate effect. Fibroblasts' metabolism increases, producing new collagen fibers leaving a long term effect.

Most of the RF energy enters into the deeper dermal layer, causing the dermal layer of skin to thicken, decreasing wrinkle depth, leaving the skin firmer and lifted.

The original collagen protein becomes strengthened to increase the new collagen protein as a result of the radio frequency stimulating the skin.

Lipolysis (Bi-polar RF + Cavitation)



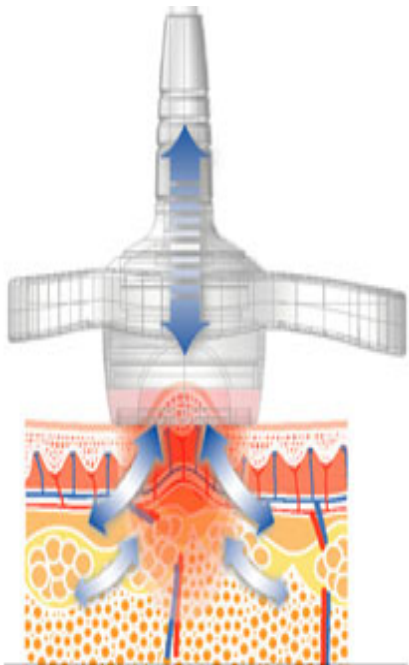
This treatment combined with one hand piece is aimed at both rupturing remaining fat cell membranes through cavitation, plus further forcing the excretion of triglycerides and skin tightening with Mono-polar RF.

High-power mono-polar radiofrequency currents preferentially and intensively heat the sub-dermis (where cellulite is located), exerting a triple slimming/tightening effect on the cellulite tissues. Specifically, these currents:

- Immediately shorten the existing collagen fibers, thereby offering an immediate skin tightening/lifting effect.
- Stimulate the fibroblasts to produce new collagen and elastin fibers, thereby offering a separate skin tightening effect.

Stimulate the adipocytes to release fat into the bloodstream and physically damage a number of them (adipocytes are very "fragile" cells, in comparison to fibroblasts or other tissue cells).

Vacuum + Tripolar RF



Using high-frequency RF and vacuum technology combined, direct access is significantly increased to the deeper fat cells, bringing fat cells to a fast-active state from the production of localized heat, so that effective blood circulation occurs.

This increased localized blood circulation within the dermis aims to tighten the sagging or loose skin due to the normal effects of ageing. Your skin will have its elasticity improved aided by an increased metabolic activity. Then through the sweat glands and lymphatic system the excess fat and toxins are excreted out of the body. This aims to further dissolve fat cells, strengthening the integrity of cells mitochondria, enhancing blood and lymph circulation with metabolism benefits.