

A new, low-risk and gentle method has been developed for the permanent removal of unwanted fatty deposits as an alternative to surgical procedures.

Surgical liposuction (which may only be carried out by a physician) always involves the risks associated with surgery. This method is highly complex and painful and the result is not always satisfactory; unevenness and depression frequently remains in the skin and the procedure must be repeated.

In addition, surgery is too costly and complex for “small” problem areas and cellulite which is increasingly prevalent and occurs in almost 80% of the female population.

The “cavitation method” developed by MedContour is based on low-frequency ultrasound applied with a vacuum pump. The tissue is sucked by the handpiece and two ultrasound heads cause the fat cells to vibrate vigorously. The fat cells are emptied or burst. This effective method works in a specific wave range to make fat cells of different size oscillate. The MedContour technology superimposes the ultrasound wave with a pressure wave that causes the rupture of fat cell collectives. The combined shock and ultrasound waves produce very small gas bubbles within the fat cells. The difference in pressure between the liquid phase and the gas phase makes the bubbles implode. The resulting shock causes the cell membrane to burst. This process is called cavitation and has a high destructive power. While research is conducted in the field of engineering to avoid the effect of cavitation under any circumstances, because cavitation waves can even break hard steel, cavitation (under controlled circumstances) is a desired effect for non-surgical liposuction.

The bursting of the fat cells produces a loud cavitation bang that is conducted through the body as shock waves. This “sound” is reflected by the bones and transmitted into the ear as a clearly audible noise. This audible noise inside the body is a characteristic feature of cavitation. The resulting mixture of fat and water (emulsion) is removed via the lymphatic system and transported to the liver as energy.

MedContour offers different program settings and can switch between discontinuous and continuous cavitation. Discontinuous cavitation stimulates the adipose tissue through individual energy inputs to produce a cavitation effect. Continuous cavitation means permanent exposure for a stable cavitation process that lasts for as long as MedContour transmits energy into the skin.

This gentle method used by MedContour and the gradual breakdown of fat through cavitation has a long-term effect on weight and body shape. The treatment takes about one hour and is carried out by a trained lipologist under the supervision of a doctor.

Further information: www.cosmetic-decker.com