



LIPOcel™ Non-Invasive Fat Reduction HIFU System

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Equipment Introduction and Features

LIPOcel™ is a product using HIFU for cosmetic purposes of body contouring approved by the Food and Drug Administration as an equipment for waist size reduction. LIPOcel™ uses high intensity focused ultrasound energy, and precisely focuses the energy on the subcutaneous fat layer using non-surgical and non-invasive ways without damaging any surrounding tissues. Thus it is equipped with safe medical procedures. In addition, it breaks down fat cells with high temperature. Its advantage lies in creating excellent results with a small number of treatments.

Recommended Target Patients

This treatment method is optimized for the patients who cannot receive surgery or wish to avoid surgical methods. The treatment of abdomen and flanks using HIFU enables the reduction of waist size by a minimum 2cm after a single treatment. When consulting a patient, a doctor must notify that the procedure using LIPOcel™ is a body contouring treatment, which is not an ultimate solution for reducing weight or curing obesity.

The patient group that LIPOcel™ can be ideally applied is a contemporary man who has abdomen and flanks resistant to the effects of exercise or diet control, or who has a hard time doing exercise or diet control due to his/her vigorous social activities such as school or work. Among these patients, a patient who has a BMI of 30 or lower, good skin tone and elasticity, at least 2.5 cm or more of subcutaneous fat, no scars in the treatment area, and who has realistic expectations about the treatment is the ideal patient. When it comes to evaluating a patient, their subcutaneous fat volume can be checked by using calipers or a pinch test. If you wish to measure more accurately, the ultrasonic instrument can be used to measure the thickness of the subcutaneous fat.

There are patients that should not receive HIFU treatment. Such patients include those with ruptures around the treatment area, pregnant women or those with the possibility of pregnancy, and those with less than 1 cm of subcutaneous fat thickness. Like all other medical treatments, checking the medical history of a patient and the status of his/her body must be done under any circumstances.

Factors to Consider for Treatment Procedure

The first factor to be considered for treatment procedures is pain. The higher the energy applied, the more the patient feels discomfort. In some cases, pretreatment for pain relief was conducted, but for the majority of the cases, there were no pretreatments. Although there were some cases of pain after the treatment, prolonged tenderness, ecchymosis, lumps, edema, etc. following treatment, such symptoms did not develop into health concerns. If lymph circulation is promoted by massage and radio frequency treatment, LIPOcel™ treatment will ensure faster and enhanced benefits.

Reasons for Recommendation

LIPOcel™ is equipped with a contact cooling system, which keeps the pain to a tolerable level even when high energy is applied. This reduces the discomfort that most patients experience after treatment procedure conducted without pretreatment. I anticipate that LIPOcel™ will be applicable to various parts of the body after the user obtains thorough knowledge in anatomy, and when a cartridge that can diversely adjust the depth of the target procedural layer is developed.

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