Cryolipolysis Cool-sculpturing Slimming

Machine
WL-1008C

1. Principle

Cryolipolysis cool-sculpturing technology refers to the treatment gradually reducing the subcutaneous fat. The fat cells are cooled down to zero degree and become solid. The low temperature selectively damage fat cells while leaving skin or muscle intact. The dead fat cells then are excreted through the liver.

2. Technical background

Excess fat affects the people's appearance and athletic ability, and it may also lead to various diseases. Fat accumulates in various parts of the body, including thighs, buttocks, abdomen, knees, back, arms and other areas, which will result in not only an unsightly appearance, but also has a direct relationship with the major health risks, so we need effective ways to control or eliminate excess body fat.

Liposuction is a cosmetic surgery procedure to remove excess fat deposits, realizing localized bodily sculpting and helping people to get slim. Usually the procedure is done with special surgical instruments in plastic surgery or dermatology. It is an invasive way to remove the subcutaneous adipose tissue.

Other non-invasive methods, such as weight-loss drugs, diet, regular exercise, diet control, or combination of these methods, whose shortcomings may be invalid, even infeasible in some cases. For example, when people get physical injury or ill, they can not choose the method of regular exercise. Similarly, people cannot choose the weight-loss pills or topical drugs when they are allergic to them. In addition, physical or systematic weight-loss method can not eliminate the fat at specified location.

Cryolipolysis cool-sculpturing technology is fundamentally different from other non- or minimally invasive methods, it is approved as the most effective way to reduce fat.

After being put into use, this revolutionary new method has been recognized as an important technical advance in fat reduction. For those who control diet and exercise regularly but still need to eliminate localized fat, cryolipolysis cool-sculpturing is a great gift. It can produce amazing results for reducing fat at waist (love handles), back, hips, belly and thighs.

Under the condition of low temperature, triglycerides (fat) will be transformed into solid. The machine uses advanced freezing technology, which targets at fat bulge selectively and eliminates fat cells through a gradual process. It has no harm to the surrounding tissue, but only reduces the excess fat. After fat cells are killed, they are gradually eliminated from the body due to normal metabolism; the thickness of fat layer will be reduced gradually, so as to achieve the removal of excess fat.

3. Preparation before use

1. Install the 4 attached caster wheels on the machine, fasten the screws.
2. Install the attached on-hook on the machine, put the probes into the corresponding racks.
3. Before using the Cryolipolysis Cool-sculpturing Slimming Machine, it is required to open the inlet and overflow behind for adding distilled water or purified water.
4. Connect the attached water funnel to the inlet, start adding purified water until water flows out from the overflow, and then close the inlet and overflow.
5. Check the host power cable is connected.
6. Check the key switch of machine is connected.

4. Treatment settings

1. The treatment time at each body site is 30-60 minutes (depending on the thickness of the fat and health status).
2. Eliminate body fat part by part, i.e. it is required to complete a few courses to eliminate the fat of the entire waist.
3. After a course, take another freezing process to treat the same location for 2-3 months, which can reduce the excess fat thickness. Such a secondary treatment can consolidate the fat dissolving effect, but multiple treatments are not recommended.
4. Cryolipolysis cool-sculpturing treatment is designed for those physically healthy people who have local fat deposits, but not suitable for the one with overall obesity. It can target at the fat at a specific part, such as waist, abdomen, back,

etc. The treatment is not a panacea, it can not treat obesity. It is not a substitute for liposuction or other invasive treatments. Substantial weight loss should be achieved through a balanced diet and regular exercise, cryolipolysis cool-sculpturing treatment can only eliminate the extra fat.

5. Antifreeze fluid for skin

Qualified antifreeze fluid is necessary to avoid frostbite during the treatment process when the temperature is reduced to 0 to -40 degrees. [Consumables, purchased by the user]

6. Treatment process

1. Test the heart rate of the patient before the treatment [50-100 times per minute]

2. Check the fat thickness.

3. Clean the treatment area, remove the hair around.

4. Mark the size of the treatment area.

5. Apply the antifreeze fluid on the treatment area.

6. Paste the antifreeze film on the treatment area.

7. When receiving treatment, the patient should be sitting, making a 90°angle between his/her upper part of the body and thigh.

8. Use the freezing device to suck the skin of treatment area gently, and then set the intensity of the vacuum suction.

9. Use appropriate and constant suction intensity, the suction intensity is adjustable according to the patient's individual vulnerability. At the same time, the mode of suction and massage can be used.

10. After 25-30 minutes of treatment, press the pause button to suspend the suction, check and add antifreeze fluid.

11. Repeat Step 10 until the completion of the treatment [once again press the start button to repeat], after that, turn off the power.

7. Considerations after treatment

After the treatment, skin injury, minor frostbite, or pigment may occur, pay attention to take good care of it.

8. Points for attention

1. The machine must be operated by professionals.

2. Do use antifreeze fluid.

3. The patient cannot receive the treatment if he/she has following medical electronic equipment:

   0Implanted cardiac pacemakers or other implanted electronic devices;

   0Life-support artificial heart-lung machine or other equipment;

   0Portable ECG measurement device;

4. The following patients shall have the professional physician's consent before using the machine

0 Acute disease patient; - Cancer patient; - Infectious disease patient; - Pregnant women;

0Heart disease patient; - Fever patients;

0Patients receiving another treatment or those with physical anomalies;

5. Careful attention should be paid to following patients when using this machine:

0Infants and young children; - People with sensory or physical impairment;

9. Contraindications

Liver problems; Raynaud's disease; severe cold urticaria; cryoglobulinemia; cold fiber hypoproteinemia; severe frostbite; severe diabetes; as well as the elderly, children, the frail, and the one extremely vulnerable to cold

10. Technical parameters

Host display: 8 "TFT color touch screen

Handle Display:3.5"TFT color touch screen

Power: ≤ 500w

Vacuum: 650mmHg

Pump flow rate: 60L/min

Vacuum pressure: 0-5Kpa

Freezing temperature: -5℃-5℃

Operating voltage: AC220-230V 50Hz, AC110-120V 60Hz;