

Q & A

Question	Answer
Is it okay to do the procedure with RF NEEDLE?	All procedures are not performed on the wound area. Non-invasive treatment first, next invasive treatment recommended. Use lower energy level if you combine MFU and RF microneedling treatment.
Please let us know your consumable and Cartridges.	[DG] 1. S7, M7, D7, D4, L4 (first export body cartridge, Face+Body) A total of 5 cartridges: 4 Face cartridges, 1 Body cartridge 2. Number of shots (12T, 22T)
What advantages does Doublo Gold have over other HIFU devices?	Unlike Competitors, Doublo Gold has a micro focused ultrasound (MFU) function that allows for detailed energy investigation, resulting in better treatment effects.
What is the strength of Doublo Gold?	1. MFU Technology 2. Fast procedure speed 8 min per 300 shots 3. World's First Round shot
Please inform us certification what you have.	[DG] 1. MFDS (domestic, for export) 2. CE MDD *
What temperature should the temperature rise to be good for collagen regeneration?	High temperatures cause destruction, not tissue regeneration. 40-55 degrees is most appropriate for collagen regeneration. The fat layer recorded at 43 degrees. Typical temperature for collagen regeneration is 50-60 degrees Celsius. Protein denaturation temperature is 70-80 degrees Celsius. If skin denaturation happens, skin cannot regenerate tissue, it evaporate when skin is over 120 degrees Celsius.
When will the post-procedure effect appear and how long will it be maintained?	The lifting effect can be checked immediately after the procedure, and usually collagen regeneration takes place after a month, making it the most satisfactory. The maintenance period varies from person to person, but it usually lasts for 3 to 6 months. What is the lifting effect? Temporary lifting due to collagen contraction, temporary lifting due to fascia contraction -> lifting effect due to collagen regeneration.
Please tell me how we can check the effectiveness.	Think about the self-renewal effect. When your skin gets hurt, you get fresh flesh. By applying heat energy inside the skin to wound it and inducing self-renewal of collagen and elastin, which have not been well regenerated due to aging, are regenerated to improve the skin.
What are the expected side effects of treatment?	There are no major side effects, the most common ones being lacerations and scratches. In the case of scratches, they are caused by irradiating the cartridge (handpiece) without proper contact with the skin. Some facial nerve damage may occur, but it will recover naturally. "There is a risk of burns if the energy is overlapped in skin.
Is it okay to combine with other treatment procedure in a day?	It is okay to have both treatments on the same day, but it is recommended that you perform Doublo Gold, which is a non-invasive procedure first and then proceed with other procedures.
How often is it best to perform the procedure cycle every few months or years?	We recommend performing the treatment once every three months, but if the patient's skin has lost a lot of elasticity due to aging, we recommend performing the procedure once a month.
Is focused ultrasound really safe?	Ultrasound is propagated without harm to living tissue in the path that simply passes through. However, if the ultrasound used is focused on a specific area with sufficient energy, the concentrated energy causes a local temperature rise enough to cause tissue necrosis. During HIFU treatment, the target tissue temperature quickly rises above 80°C, which can effectively destroy the tissue even if the exposure time is very short. Therefore, clinically, it only destroys cells in a specific focus, so it does not damage surrounding organs or skin. However, there are some shortcomings and side effects. If the adhesion between the transducer and the skin is poor or if certain areas are treated intensively, lightly raised erythema may appear to have been scratched. There is also the possibility of local atrophy of the subcutaneous layer in dry patients with less developed subcutaneous layer. There is also the possibility of damage if excessive heat is applied to nerves or blood vessels.
Is there any damage to the blood vessels or nerves?	There may be. The thermal response of tissue has a non-specific aspect depending on the characteristics of the tissue, so care should be taken against damage to nerves and blood vessels. If you damage the sensory nerves excessively, you may complain of low sensations of the sensory nerves over several weeks, and these weak side effects disappear naturally over 1-2 weeks, so you don't have to worry. It is recommended to avoid areas where nerves pass and treat them with weak energy. The most serious complication can be motor neuronal damage. Because veins in the forehead or temples and the mandibular marginal branch of the facial nerve are frequently damaged, it is recommended not to treat the inside of the mouth rather than the tail of the mouth during jawline treatment.
What happens when nerves are damaged and what happens to them?	You don't have to worry because the numbness of sensory nerves caused by excessive heat damage will disappear naturally within 1-2 weeks. It is commonly observed mainly in the orbital and dorewn nerves.
If use it on a thin area where the bone stands out, the sharp pain appears, is there a problem?	Obstacles such as bones can lead to absorption and reflection, which can make the treatment's effectiveness unstable. Therefore, it is recommended that thin areas be treated with 1.5mm or 2.0mm cartridges with lower energy.
Is it okay to perform a procedure if I have implants or prosthetics on my oral cavity?	There is no problem with the effectiveness or side effects of the procedure, but the patient may feel pain. It is recommended to put gauze in the mouth and perform the procedure.
How much temperature does the fat layer raise? cartridges for the body	First, the temperature of melting the fat layer must be higher than 43°C by 50-60°C.
Isn't it helpful to change your body shape if you stay there when the fat melts?	When fat melts, it is released through sweat and urination along with waste. (Lymph node excretion)
Is there a paper on the effectiveness and safety of equipment?	1. Safety Study of Transcutaneous Focused Ultrasound for Non-Invasive Skin Tightening in Asians (Ulthera) 49 Chinese patients (skin type III-IV, average age 53.3 years) were treated 68 times in total. Temporary erythema and swelling were observed in most patients. Investigate local buying up to 25%. 2 observations of inflammatory hyperpigmentation on the forehead at 1 month after treatment. One patient on a 1-month follow-up experienced focal spasms on the lower eyelid, which are clinically consistent with half-facial spasms and unrelated to ultrasound devices. The degree of pain during treatment was recorded as severe in 54.4% of the treatment site. 2. Microfocused Ultrasound with Visualization for Face Slimming: Preliminary Results in Four Women (Ulthera) MFU-V (Microfocused ultrasound with visualization)/Independent test results and consensus panel conclusions of HIFU devices provide great support that these real-time visualization and combination detection capabilities, found only in MFU-V, help prevent complications and improve the safety and effectiveness of energy-based devices. Independent assessments also show that MFU-V has several additional features that play a key role in safety and clinical effectiveness, including uniformity of TCP, rigorous thermal regulation, large focal gain, and short beam length, which have not been found collectively in HIFU devices. In the above paper, we provide a paper on stability.
Is there a case where the output increases when the water in the cartridge decreases?	If the distilled water in the cartridge decreases, the output may change (lower), so it is recommended to use it within 6 months of purchase. If the treatment is performed with the transducer facing upward due to reduced distilled water in the cartridge, air may be directed and the energy may be lowered.
What should the practitioner do if the cartridges has less water?	If the distilled water has decreased, remove the cartridge film, fill it, and attach a new film.