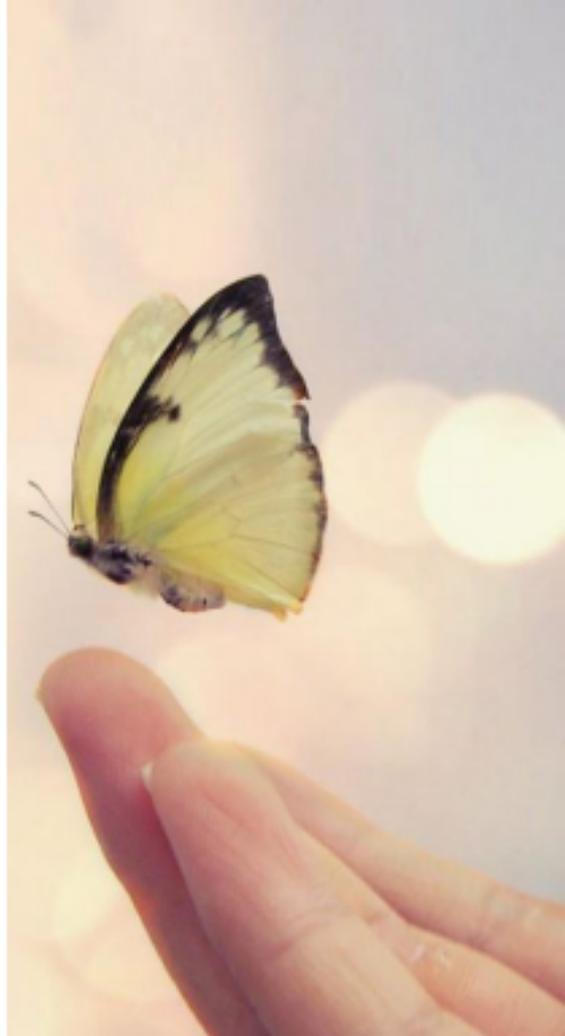


**HIFU For Face Lifting**

**HIFU For Body fat**

----- HIFU Anti Aging System



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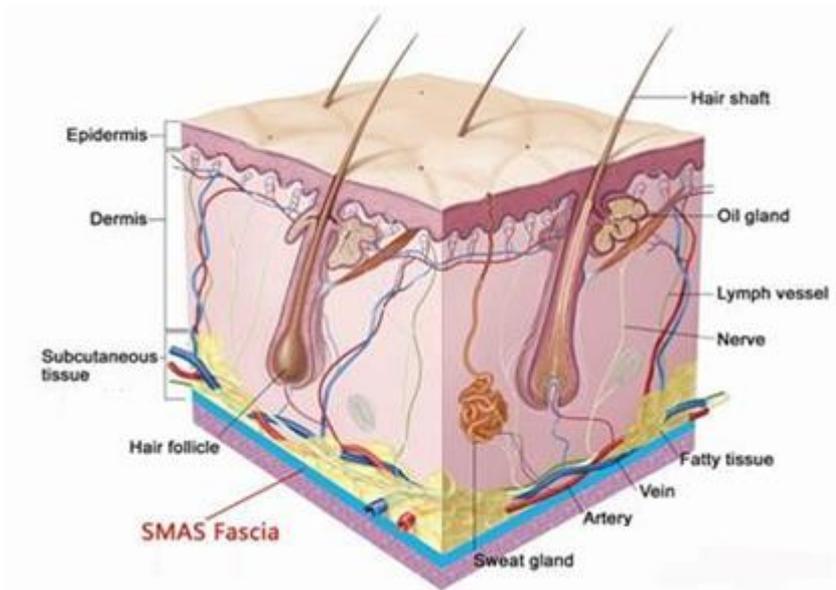
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# 1. What's SMAS?

- **SMAS (superficial muscular aponeurotic system)** is a layer of tissue present deep to the skin and subcutaneous tissue. SMAS is a connective tissue membrane, which widely covered in real leather under the deep tissue, connected the fat and facial superficial muscle layer. It located in the 4.5mm of subcutaneous.



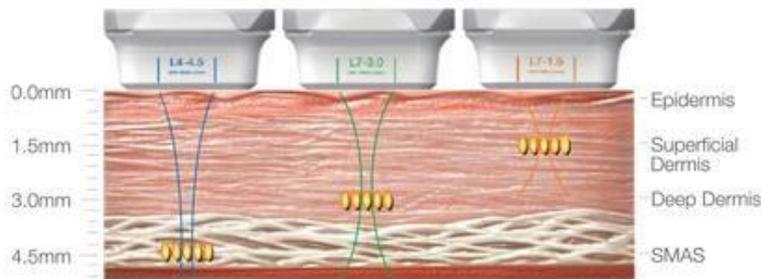
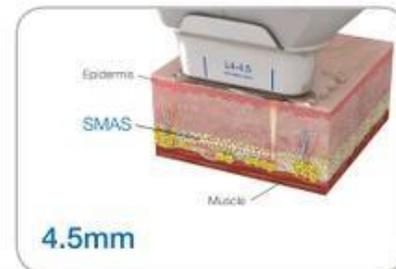
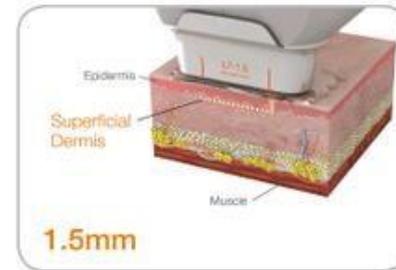
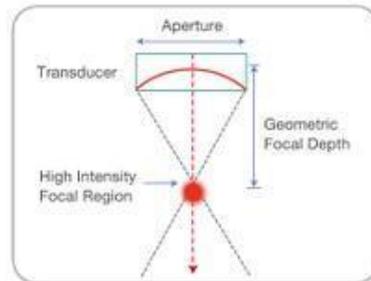
- The SMAS is part of the fascial tissue systems of the human body and is located on the face. Means superficial musculoaponeurotic system and is one of the most important structures in the facial support. Similarly, gradual weakness is involved in the changes brought about by the aging process. In the facelift is key structure in the surgical success

## 2. HIFU History

- HIFU(High-Intensity Focused Ultrasound) is a highly precise medical procedure using high-intensity focused ultrasound to heat and destroy pathogenic tissue rapidly. The earliest widespread use of HIFU was as a treatment for prostate cancer.
- Then HIFU tech was developed in the USA. The non-invasive Ultherapy® is U.S. FDA-cleared to lift skin on the neck, on the eyebrow and under the chin as well as to improve lines and wrinkles on the décolletage.
- Ultherapy was the first High Intensity Focused Ultrasound (HIFU) machine which came into the market. Soon, Korea HIFU made the next generation of HIFU technology which offers superior results without discomfort.
- Our HIFU tech is from Korea.

# 3. What is HIFU Anti Aging?

- **HIFU (High-Intensity Focused Ultrasound)** which is the new technical for face lifting and tightening. HIFU is delivered into the deep skin and cause thermal coagulation to SMAS (Superficial Muscular Aponeurotic System). It can provide the skin tightening and rejuvenation happens gradually with the time.



## HIFU treatment is based on hyperthermia Lifting Theory

- The HIFU transducer irradiates 65~75 C° of high intensity focused ultrasound (HIFU) energy, then creates thermal coagulation on the target layers of skin tissue with no damage on the skin surface at all. Following the initial treatment, the skin starts to undergo wound healing process that stimulates collagen synthesis and regeneration. The formation of new collagen provides longer-term tightening on the skin.
- Patients' facial contours and fine wrinkles show competent improvement after 4 weeks of treatment. Additional skin firming and tightening is seen over the next 2~3 months after the treatment.



# 4. HIFU Principle

1. Generate HIFU, induce a Vibration in Molecules of the Target Area

2. Lead to Thermal Energy Caused by Friction

3. Form Thermal Coagulation Zone

The focused ultrasound energy make multiple thermal coagulation zones into 3 depth of skin & SMAS layer. Multiple thermal coagulation zones centered, promote regeneration of collagen fibers. The regeration of collagen fibers result in skin lifting during three months.



Coagulation Zone into 4,5mm depth (SMAS Layer)



Coagulation Zone into 3.0mm depth & 1.5mm depth (Dermis Layer)



Change texture & laxity



Skin lifting & rejuvenation

# 5. Advantage of HIFU face lifting

01

Completely non-invasive  
treatment to actually lift  
skin

02

Visibility of firming effect  
without surgery.  
Less painful

03

Safe. Absolutely no harm  
to human body

04

No need recovery time

05

Effect can last for a long  
time

# Tips of HIFU treatment

The HIFU discomfort levels vary from person to person. Most of patients tolerate the procedure well without anesthesia or sedation while the energy is being delivered. Pain and discomfort associated with procedure are temporary that lasts usually only during the procedure.

This non-invasive procedure is associated with no downtime, allowing patients to return to daily activities immediately after treatment. You can see the immediate results such as tightening effect all over your face and improvement your wrinkles right after the treatment.

You might see the redness and/or swelling at first, might feel some tingling. These will disappear within hours. It signals that beneficial process of collagen regeneration has begun. HIFU skin tightening is clinically proven to be safe, with natural and gradual rejuvenation effects.

# 6. What are the applications?

- Blurred jawline, nasilabial folds, sagging eyelids, loose neck fold, fine lines and wrinkles, uneven skin tone or texture and large pores. HIFU machine has three types of cartridges which can treat various problems at once.



# 7. Effect of HIFU Anti Aging

- comparison

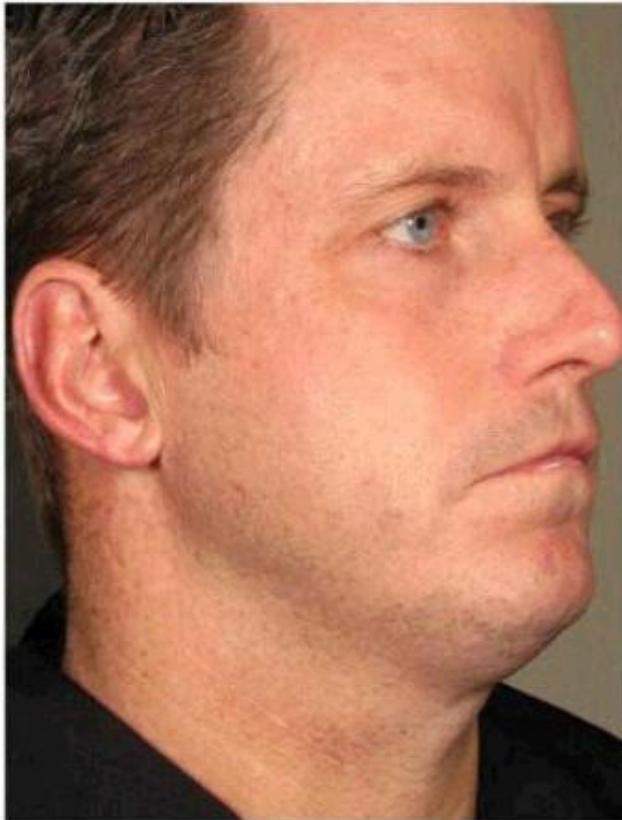


Pre-Treatment

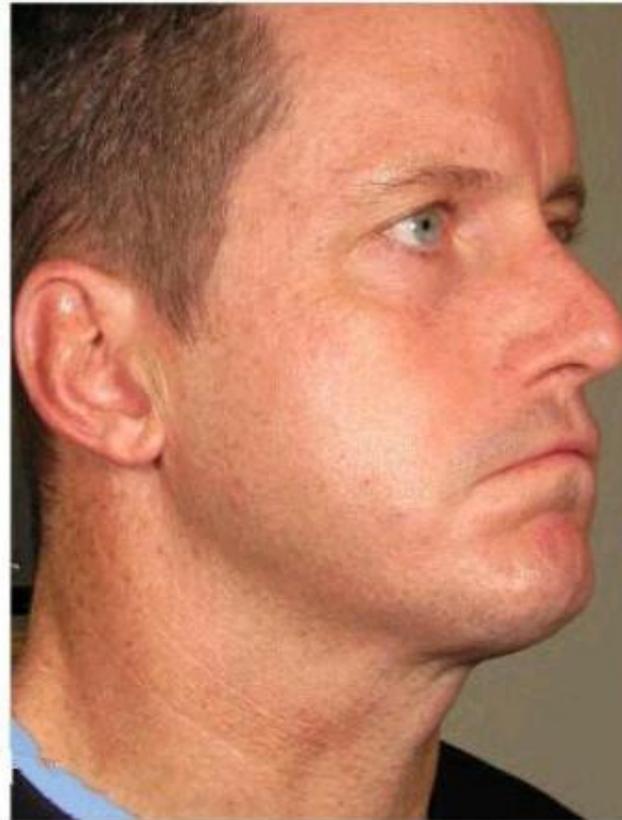
Post-Treatment: 150 Days

# HIFU Anti Aging

- comparison



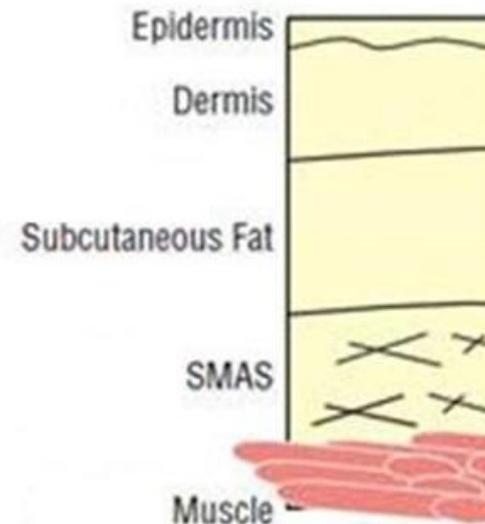
Pre-Treatment



Post-Treatment: 180 Days

# 1. What's the subcutaneous fat?

- **Subcutaneous fat** is stored in the fatty tissue under the skin, in the DermIS below the fascia above. And stored in the abdominal visceral adipose tissue and corresponds to the yellow fatty tissue found in bone marrow, together constitute the body's adipose tissue. Sebum is stored in the fatty tissue under the skin, about 2/3 fat storage in subcutaneous tissues of the human body.
- By measuring the thickness of the



- subcutaneous fat, you can understand
- the thickness of the subcutaneous fat
- to determine body fat.

## 2. Subcutaneous fat thickness in any standards?

13mm is the best

Normal adult female abdominal's skin fold thickness is 5~15mm, if greater than the 15mm is obesity, less than 5mm is thin.

Normal adult female abdominal's skin fold thickness is 12~20mm, larger than 20mm is obesity, less than 12mm is thin.

Thickness of normal adult scapular skin wrinkle wall is 12.4 mm, if the average is more than 14 mm, it can be diagnosed as obesity.

# 3. What is HIFU fat removal?

- In order to reduce the redundant fat layer, the HIFU acting in excess subcutaneous fat only applying beauty slimming technology appeared in Japan, and has become a topic in the beauty salon and beauty clinic industry.
- **HIFU Focus** on the stable ultrasonic energy to 13mm deep layer of adipose tissue, and moment to shrink fat cells, weight loss appeared immediately. 7 to 14 days after adipose cell death, it will out of the body through the normal metabolism, make the absolute number of fat cells decreased, achieve stability, effective slimming effect.

# 4. Exclusive Design

- Exclusive research and development of 13mm fat soluble transmitter for tighten skin, fat soluble on body.
- 13mm HIFU works through lease management system Built-in our HIFU anti aging machine. Then machine can serves a double purpose.



Working sketch map( Body)

13mm Fattiness



**Effect**

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