

ULTRAFORMER®

High Intensity Focused Ultrasound System

Non-Surgical Facial Lifting,
Tightening and Brightening.

Skin coagulation in the depth of 1.5mm, 3.0mm, 4.5mm
by 65 ~ 75°C of HIFU (High Intensity Focused Ultrasound)
energy without damaging on skin surface.



Classys develops technology for better life



www.classys.com



www.ultraformer.com



www.clatuu.com

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Creative directing

by John S. Yang

Art design & Editing

by Ji Yeon Oh, Hyun Jun Cha

Graphic design

by Jae Hyun Park

Address

3F, Beakyoung Bldg., 546, Samsung0ro,
Gangnam-gu, Seoul, Rep.of Korea

Phone +82-2-517-2114

www.classys.com | www.ultraformer.com

info@classys.com | press@classys.com

marketing@classys.com | cs@classys.com

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○ Leader's inspiration for an innovative aesthetic and medical technology



- **Combination**
Combination of harmony and balance in business of beauty, health and science
- **Cooperation**
Cooperation of all members to achieve the goal
- **Contribution**
Contribute to human being for better life

○ Global Opinion Leaders' testimonials on Ultraformer



Dr. Benjamin Ascher, MD, Plastic Surgeon 

"I was impressed by skin lifting result after experiencing ULTRAFORMER for the first time. It shows significant scientific improvement to make great result using HIFU. I believe Classys will be one of the global leading companies based on its outstanding technology ."



Dr. Franco Lauro, MD, Plastic Surgeon 

"ULTRAFORMER's skin tightening effects are amazing. I used to use medical laser products when I didn't know HIFU products. Laser has its own limitations in terms of clinical results and side effects. ULTRAFORMER presents excellent skin tightening using HIFU that delivers Focused ultrasound energy to targeted area especially SMAS. The energy takes apart old collagen and stimulates formation of new collagen effectively and it gives me predictable clinical outcomes."



Dr. Jean Louis Sebagh, MD, Plastic Surgeon 

"I've been using ULTRAFORMER for more than a year and very satisfied its clinical results. I believe ULTRAFORMER is a game changer for skin lifting. Injection and surgery were options for skin lifting before HIFU comes out, but now ULTRAFORMER as non-surgical treatment makes better results . I'm very proud that I'm one of the heaviest users of ULTRAFORMER in the world."



Dr. Klaus Fritz, MD, Plastic Surgeon 

"ULTRAFORMER brings immediate tightening effects with 3 different cartridges, specially targeting SMAS layer which is located in the depth of 4.5mm inside of the dermis. Plastic surgery was the only option for skin lifting but now we have equivalent results via ULTRAFORMER as non-surgical treatment. My patients always surprise its remarkable clinical outcomes."



Dr. Michael H. Gold, MD, Dermatologist 

"If you've never tried Ultraformer, high intensity focused ultrasound, this is a great tightening procedure. So, we'd like to use it for tightening from the eyes to the neck. Patients have great results and they are satisfied."



Dr. Suetake Nobuhiro, MD, Plastic Surgeon 

"I didn't use HIFU systems before because of too much pain and frustration of clinical results. I started using ULTRAFORMER because it is different from other HIFU systems. Trough my experience, ULTRAFORMER provides pain free and superior skin tightening results after the treatment. It wouldn't be easy to me to start HIFU treatment if I did not know ULTRAFORMER, because Japanese patients are extremely sensitive towards to pain. I appreciate Classys to make such an outstanding equipment for physicians."

*Doctors names are in ABC order.

Why **ULTRAFORMER**?

“ Ultraformer treatment becomes one of the top major face and neck lifting treatments in aesthetic, dermatology and cosmetic surgery with its advantages of no surgery, no downtime, no side effect, and dramatic results.”

Advantages of using Ultraformer

- 1 6 seconds to boot and start up
- 2 No warming up and waiting time
- 3 Faster & better treatment by world's only one Elliptic transducer
- 4 1 full face treatment takes 15 -20 minutes
- 5 Detailed treatment by narrow smart cartridge
- 6 Dual handpiece makes easy treatment with no frequent change of cartridges during the treatment
- 7 Efficient and economical consumables
- 8 Safely creates skin coagulation in the depth of 1.5mm dermis, 3.0mm deep dermis, and 4.5mm SMAS layer



Comfortable Dual Handpiece

- Easily switchable dual handpiece
- Fast moving transducer with robotic technology
- Save treatment time

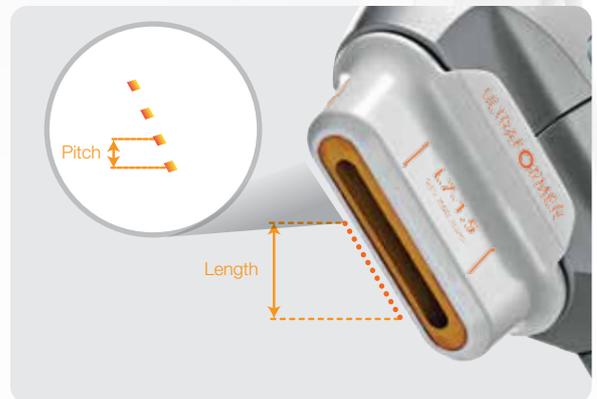
Unique Slim Cartridge

- Shorten the procedure time with breakthrough smart slim cartridge technology.
- Slim cartridge provides a wide field of view for easier visibility.
- Accurate treatment by depth distribution based slim cartridge.



Adjustable Pitch and Length

- Adjustable pitch and length, no need various cartridges.
- Doctor can adjust energy density and fluence to the tissue.
- Stabilized energy with effective parameters.



Fast Shot Speed

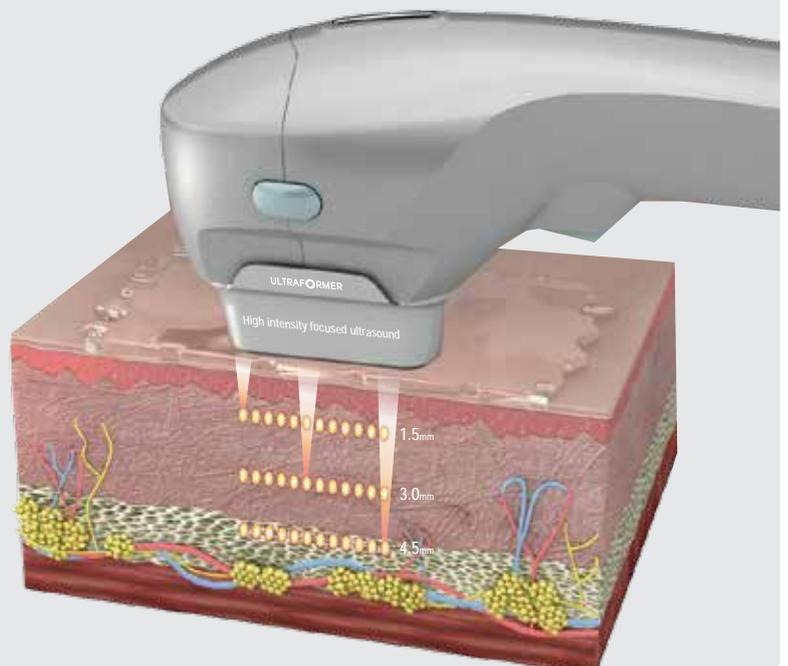
- Quick treatment by elliptic transducer
- Min 0.3 sec/shot, Max 2 sec/shot

High Peak Power

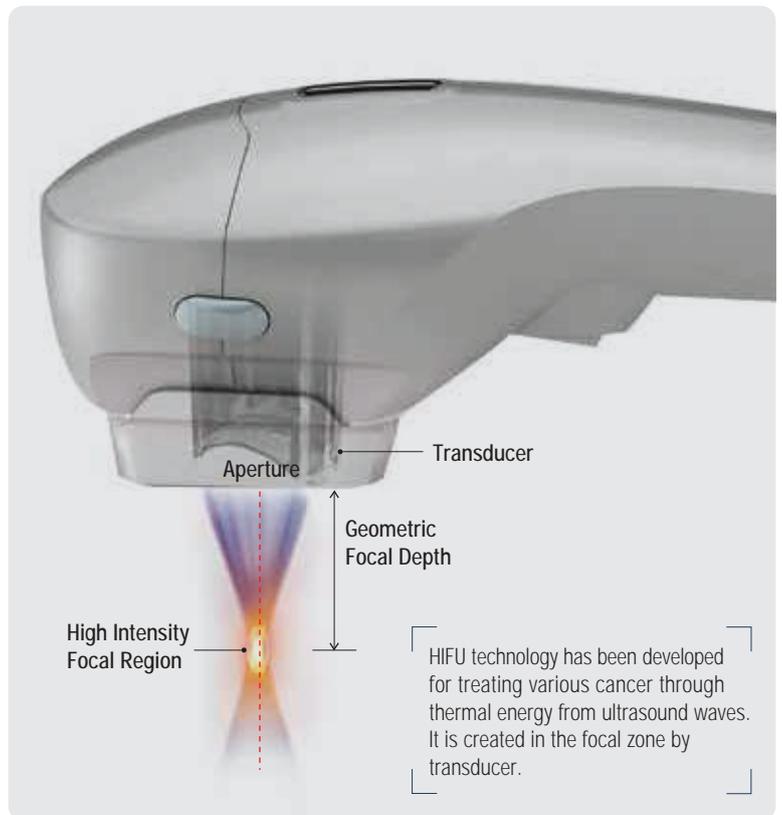
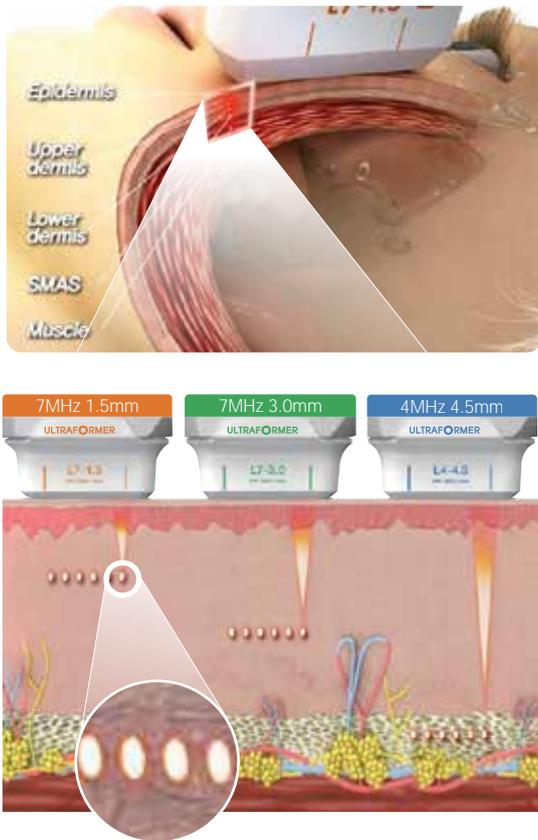
- Unique elliptic cartridge provides high peak powerful ultrasound energy at a very short time.



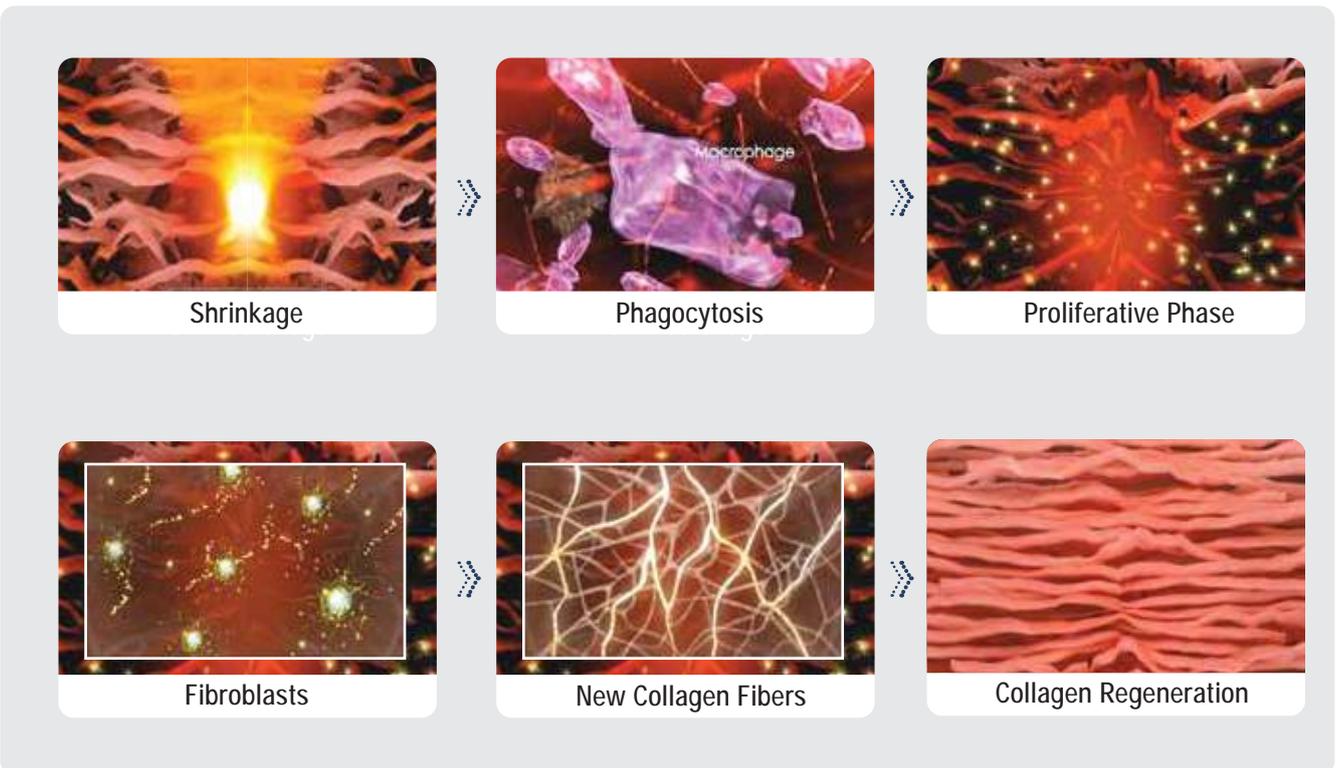
Application Depth



ULTRAFORMER Mechanism



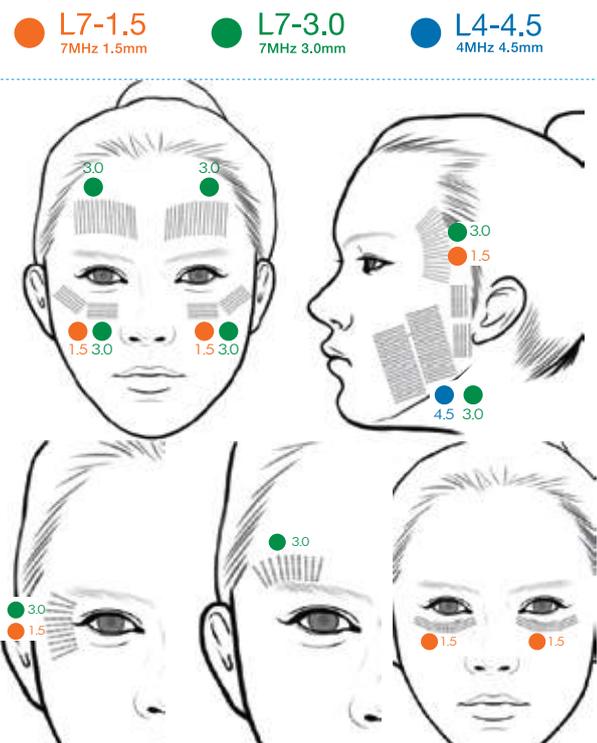
Wound Healing & Collagen Regeneration Process After ULTRAFORMER TX



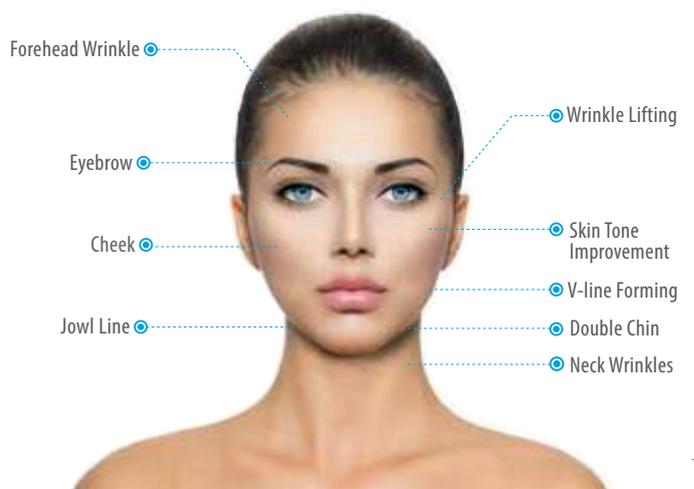
User Interface



Treatment Guideline



TX - Areas



Ultraformer works for face and neck lifting, skin tightening, wrinkles and pores reduction, V-line forming, jowl line lifting, submentum fat reduction, cheeks, skin tone improvement, choller, and laxity improvement.

Laser, IPL, Botox and filler treatment can be combined after Ultraformer treatment.

ULTRAFORMER Achieves Effective Non-Surgical Face-Lifting, Tightening and Whitening



Klaus Fritz, M.D.
 Director
 Dermatology and Laser Centers
 Landau, Germany
 Lecturer
 University of Osnabrueck
 Germany



Franco Lauro, M.D.
 Plastic Surgeon
 Private Practice
 Bologna, Italy



Beom-Joon Kim, M.D., Ph.D.
 Department of Dermatology
 College of Medicine
 Chung-Ang University
 Seoul, Korea

Ever since its recent entrance in the aesthetic market, the Ultraformer device from Classys, Inc. globally continues to impress physicians and their patients with excellent face and neck lifting treatment outcomes. This innovative device offers cosmetic patients a variable non-invasive option to more traditional surgical lifting and tightening treatment approaches.

"In my opinion, the Ultraformer device is going to have a significant impact in the aesthetic industry," said Klaus Fritz, M.D., director of the Dermatology and Laser Centers in Landau, Germany, lecturer at the University of Osnabrueck, Germany, and former president of the European Society of Laser Dermatology. "The treatment outcomes one can achieve for face lifting and skin tightening with this device are remarkable."

Based on mature, time-tested High intensity focused ultrasound (HIFU) technology, Ultraformer effectively treats the superficial and deeper dermis, as well as the superficial muscular aponeurotic system (SMAS) with a triple layer lifting effect. Heating the targeted area to between 65 and 75°C, the highly focused acoustic energy creates thermal coagulation zones at 1.5 mm, 3.0mm and 4.5mm depths, optimally penetrating the skin with geometric precision, while completely sparing the epidermis.

"HIFU affects all three layers of the superficial and mid-dermis as well as the SMAS, a method that may be more effective than

one-pass protocols for skin tightening," said Beom Joon Kim, M.D., ph.D., a professor in the department of dermatology, at the College of Medicine, Chung-Ang University, Seoul, Korea.

Certified by the Korean FDA for eyebrow lifting and CE marked, Ultraformer can also achieve excellent aesthetic outcomes in malar augmenting jowl lifting, nasolabial fold reduction and periorbital wrinkle reduction, as well as overall skin tightening and rejuvenation in targeted areas. "In my experience, the speed and simplicity of the treatment, coupled with the excellent cosmetic results one can achieve, distinguish the Ultraformer device from any other laser treatments employed for the same indications," Dr.Fritz stated.

Collagen is the primary protein in the dermis, along with subcutaneous fat and the SMAS. It is a family of structural proteins responsible for the strength and resilience of the skin and other tissues. HIFU energy heats the collagen fibers leading to denaturation. This in turn results in a thickening and shortening of the collagen fibers, greater tissue tension due to the rubber elastic properties of collagen, and ultimately, tissue tightening.

Soon after an Ultraformer treatment session, patients will appreciate a firmer feel to the skin, along with a smoothening of fine lines. While this immediate plumping effect is temporary, it signals the initiation of the neocollagenesis process.



Before Tx
 Photo courtesy by Dr. Franco Lauro



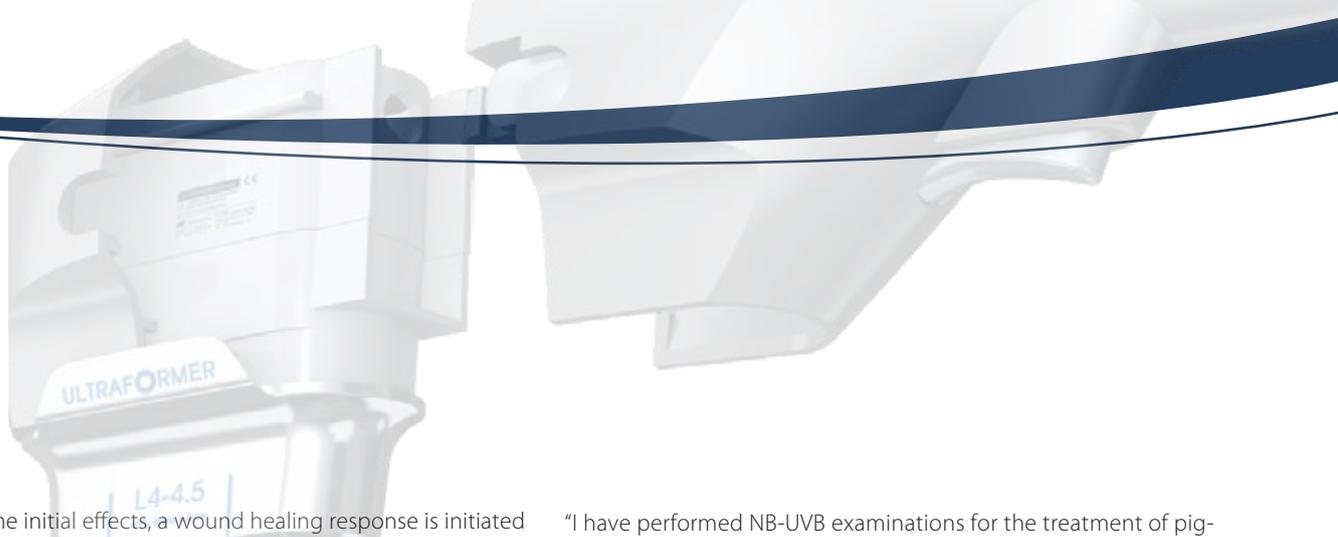
Post 2 months



Before Tx
 Photo courtesy by Dr. Franco Lauro



Post 2 months



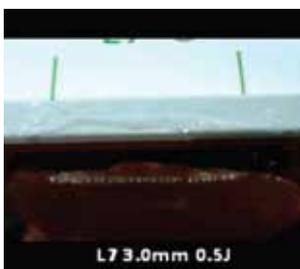
“Following the initial effects, a wound healing response is initiated in the skin, resulting in the formation of new collagen fibers, which provides tightening of the skin in a longer term. After four weeks of treatment, patients’ facial contours and fine wrinkles show significant improvement. Additional skin firming and tightening has shown over the next two to three months after treatment,” Dr. Kim reported.

This non-invasive procedure is associated with no downtime, allowing patients to return to daily activities immediately after the treatment, and dramatic results can be achieved as well with improvements seen in facial skin tightening and fine wrinkles up to six months after. Maintenance treatments could then be performed at three or six month intervals, depending on the degree of lifting and tightening that needs to be addressed in the individual patient at baseline.

“In my experience, the Ultraformer is the best device I have ever used for soft tissue and skin tightening,” said Franco Lauro, M.D., a plastic surgeon in private practice in Bologna, Italy. Treatments are extremely quick, with a typical face and neck tightening procedure lasting approximately 20minutes, allowing patients to quickly return to their daily routine.”

According to Dr. Lauro, there is no downtime associated with the Ultraformer procedure and to date, he has not seen any complications from treatment underscoring the device’s safety. “Using the Ultraformer, I can easily and safely treat every part of the body, and all Fitzpatrick skin types without hesitation, he added, “we can even combine treatment with other complementary aesthetic procedures in the same session.”

Featuring dual handpiece, the Ultraformer device offers a fluence of 0.1 to 1 J, and is equipped with three different cartridges ideal for the triple layer HIFU treatment approach, namely L7-3: 7 Mhz(3 mm), L4-4.5: 4 Mhz(4.5mm), and L7-1.5:7 Mhz(1.5 mm).



[Meat Test]

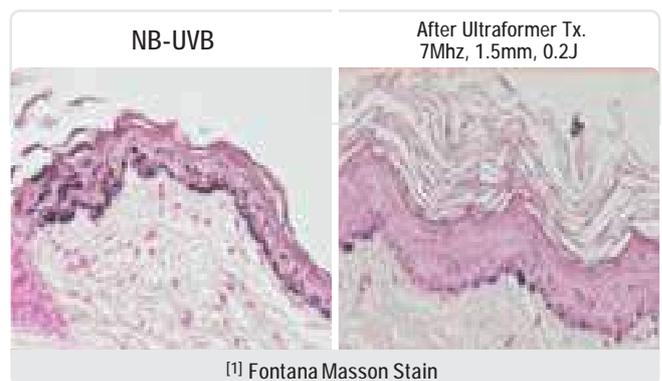


[Plastic Test]

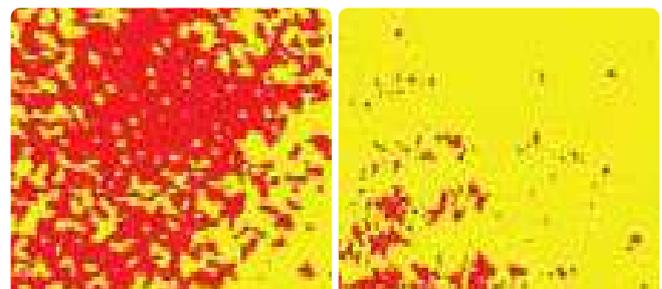
Beyond its benefits in skin tightening, as well as face and neck lifting, the Ultraformer device has also shown its effectiveness in lightening skin, further demonstrating its versatility in cosmetic treatments. Dr. Kim, who is also a professor at the R&D Center of the Chung-Ang University Hospital-appointed by The Ministry of Education of the Republic of Korea for the Vrain Korea 21 Plus project team in the arena of dermatological science (2013-2020) – has explored the Ultraformer’s effectiveness for this indication.

“I have performed NB-UVB examinations for the treatment of pigmentation in brown guinea pigs. From our research, my team and I have observed significant changes in skin pigmentation and can confirm the Ultraformer’s efficacy in lightening the skin of animal models. We emitted both 0.1J and 0.2J of the device’s L7-1.5 settings in the study. Using these parameters, the lightening effect was observed three weeks following a protocol of four treatments per week for a month period,” Dr. Kim[®] reported.

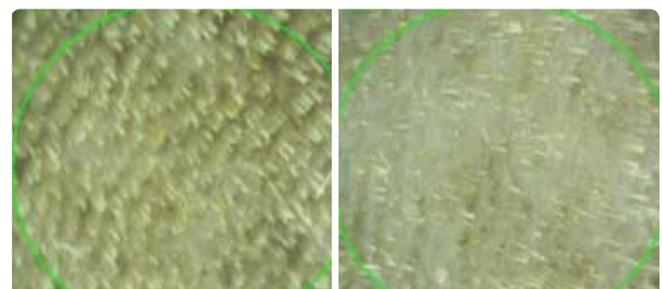
Numbers of melanin have been reduced after Ultraformer treatment by 7Mhz 1.5mm depth at 0.2J. The results were observed by Fontana Masson Stain, Image Pro Analysis and Folliscope as following picture of [1] [2] [3].



[1] Fontana Masson Stain



[2] Image Pro Analysis



[3] Folliscope

[®] Dr. Beom June Kim, professor at R&D Center of the Chung-Ang University Appointed by The Ministry of Education of the Republic of Korea for the Brain Korea 21 Plus project team in the arena of dermatology science (2013-2020)

Ultraformer Facelifting Immediate Results

- Face & Neck lifting immediate and post few days



- Results post 2 month





• Results post 6 month and 12 month



Leader's inspiration in aesthetic and medical technology

ULTRAFORMER®

CLASSYS products are being sold and used worldwide



SYSTEM SPECIFICATIONS

Energy Type	HIFU (High Intensity Focused Ultrasound)
Power	0.1 ~ 1.0 J
Spacing	1 ~ 2 mm
Length	5 ~ 25 mm
Rating	100-230 Vac, 50 / 60 Hz
Weight	34 kg
Dimension	312 X 537 X 902 mm
Cartridge	L4-4.5 (4MHz / 4.5 mm) L7-3.0 (7MHz / 3.0 mm) L7-1.5 (7MHz / 1.5 mm)

CE approved
1984



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Technology for better life