

## ULTRAFORMER Achieves Effective Non-surgical Face Lifting, Tightening, and Whitening

Klaus Fritz et al. | Germany, Italy & South Korea



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  
Seou I, 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 1.5mm, 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 molar 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 smoothing of fine lines. While this immediate plumping effect is temporary, it signals the initiation of the neocollagenesis process."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.



BeforeTx



Post 2 months



BeforeTx



Post 2 months

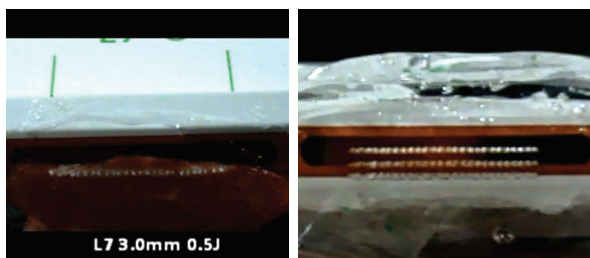
Photo courtesy by Dr. Franco Lauro

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 20 minutes, 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). 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



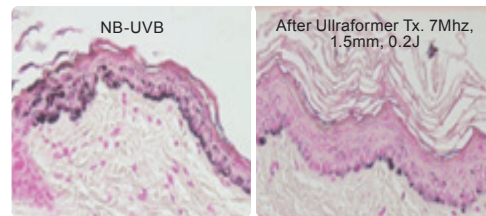
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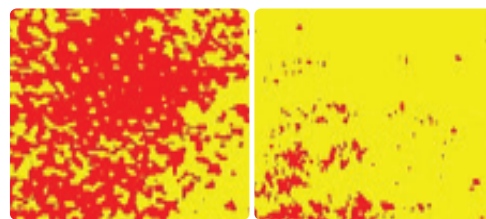
is also a professor at the R&D Center of the Chung-Ang University Hospital-appointed by The Ministry of Education of the Republic of Korea for the Vrain Korea 21 Plus project team in the arena of dermatological science (2013-2020) - has explored the Ultraformer's effectiveness for this indication.

"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 0.1 J 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<sup>®</sup> reported.

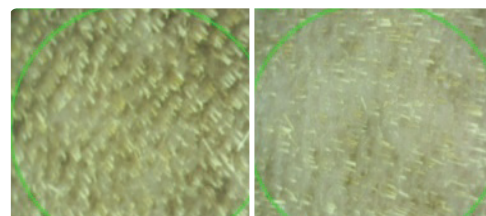
Numbers of melanin have been reduced after Ultraformer treatment by 7Mhz 1.5mm depth at 0.2J. The results were observed by Fontana Masson Stain, Image Pro Analysis and Folliscope as following picture of [1] [2] [3].



[1] Fontana Masson Stain



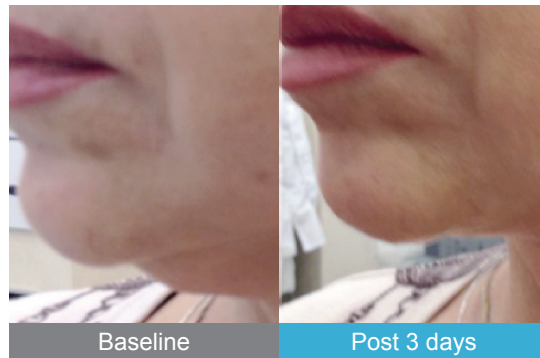
[2] Image Pro Analysis



[3] Folliscope

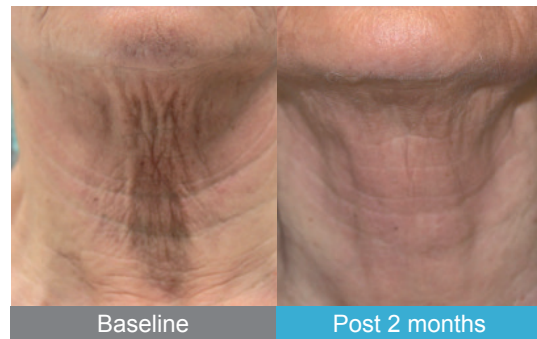
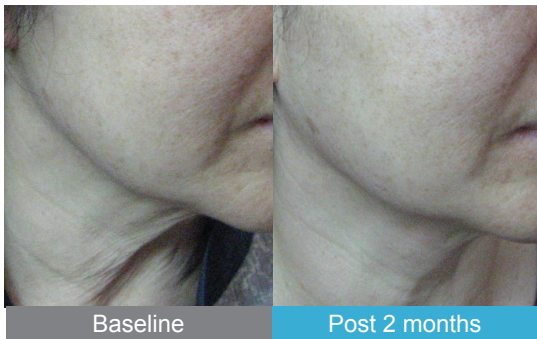
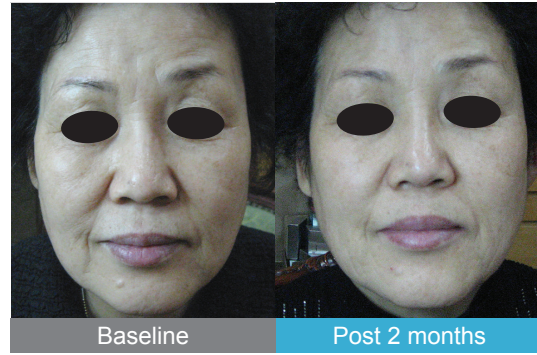
© Dr. Beam June Kim, professor at R&D Center of the Chung-Ang University Appointed by The Ministry of Education of the Republic of Korea for the Brain Korea 21 Plus project team 1n the arena of dermatology science (2013-2020)

Face & Neck lifting immediate and post few days



Results post 2 month





**Results post 6 month and 12 month**

