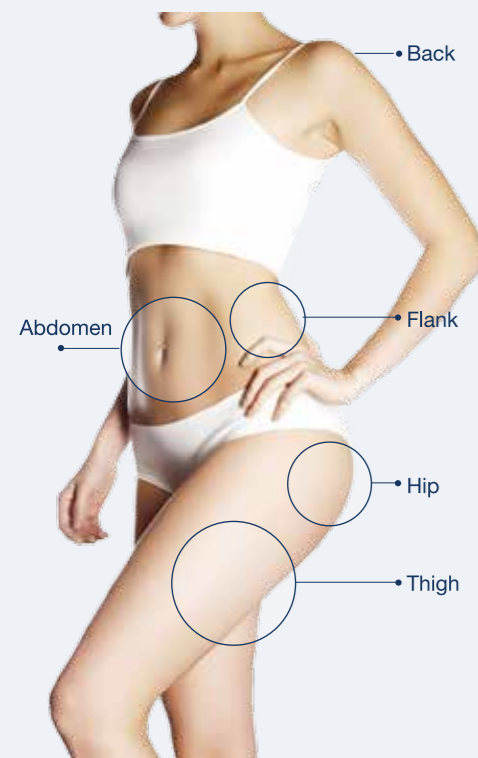


Application



Simultaneous Use of Hand-Pieces

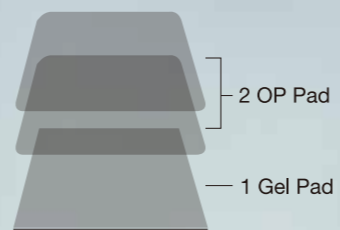
The Clatuu provides hand-pieces available for separate use, either on the same treatment region or for different treatment regions at a time. Treatment is 2 times faster and 2 times more convenient for both patients and physicians.



MATRIX GEL PAD

CLASSYS proudly introduces the 3 in 1 Gel Pad which increases treatment convenience, improves safety measures and shortens treatment procedure time.

1 Gel Pad + 2 OP Pad



MULTI FUNCTIONAL HAND-PIECES

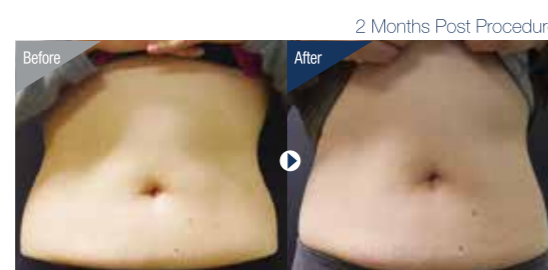
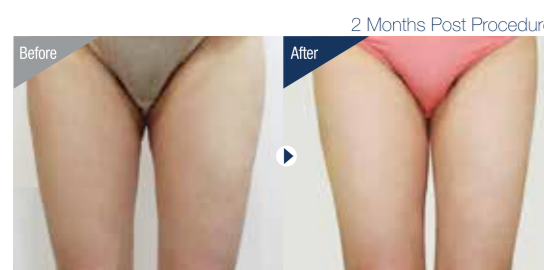
Flat Type	Applicable for smaller treatment areas
Wing Type	Applicable for larger treatment areas

SYSTEM SPECIFICATIONS

Energy Type	Cryotherapy, Cryolipolysis
Display	LCD 10.4 inch touch screen (Main body) LCD 4.3 inch touch screen (Hand-piece)
Electrical Requirement	200 - 240 V~, 50 Hz / 60 HZ
Electric Power Consumption	1250 VA
Dimension	490 (D) x 715 (W) x 1140 (H) mm
Weight	92 kg



Clinical Cases



The Classys Advantage

Since opening our doors in 2007, Classys Inc. was founded with the sole purpose to create technology that provides intuitive solutions for our consumers to reflect their potential. This has resulted in providing medical & aesthetic solutions that have reached consumers around the globe, with a diverse range of applications for lifting, tightening, fat reduction, and body contouring procedures. Comfort coupled with beneficial, fast-proven results is the source of our motivation and the reason we strive to innovate solutions for our consumers in the medical & aesthetics industry.

CLATUU™

FREEZING FAT AWAY

360° Surround Cooling Technology

Simultaneous Application

Non-Invasive Fat Reduction



T. 1544-3481 | info@classys.com | www.classys.com

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Body Contouring System for Freezing Fat Away

CLATUU

Achieve Effective Fat Reduction with a New and Proven Method



Technology

• 360° Cooling Technology

The hand-pieces apply cooling energy with advanced suction capabilities to achieve precise and even distribution over the application area.

• 2 Side Cooling



• 360° 3D Cooling



Innovative Improvements

The upgraded hand-piece possesses a wider range of capabilities due to superior suction power and the custom design of the hand-piece. These new developments allow the hand-piece to cover larger areas of treatment with ease, and reach areas with harder accessibility.



Why CLATUU?

■ Non-Invasive Treatment

The Clatuu utilizes a proven cooling technique to target the subcutaneous fat layer. No anesthesia is necessary as the pain levels are minimal due to the cold temperature applied.

■ Natural Body Shaping & Contouring

A natural approach to achieve effective body shaping and contouring, by triggering Apoptosis to destroy the targeted fat cells.

■ Proven Technology

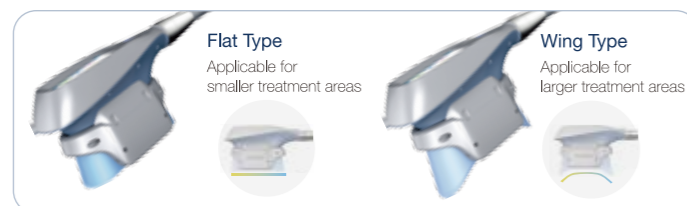
Clinical research provides proof of fat reduction by targeting the fat cells in the subcutaneous fat layer via cooling technology.

■ Faster & More Convenient Treatment

Two applicators are available for simultaneous and separate use, allowing patients to reduce treatment times.

■ Customized Applicators

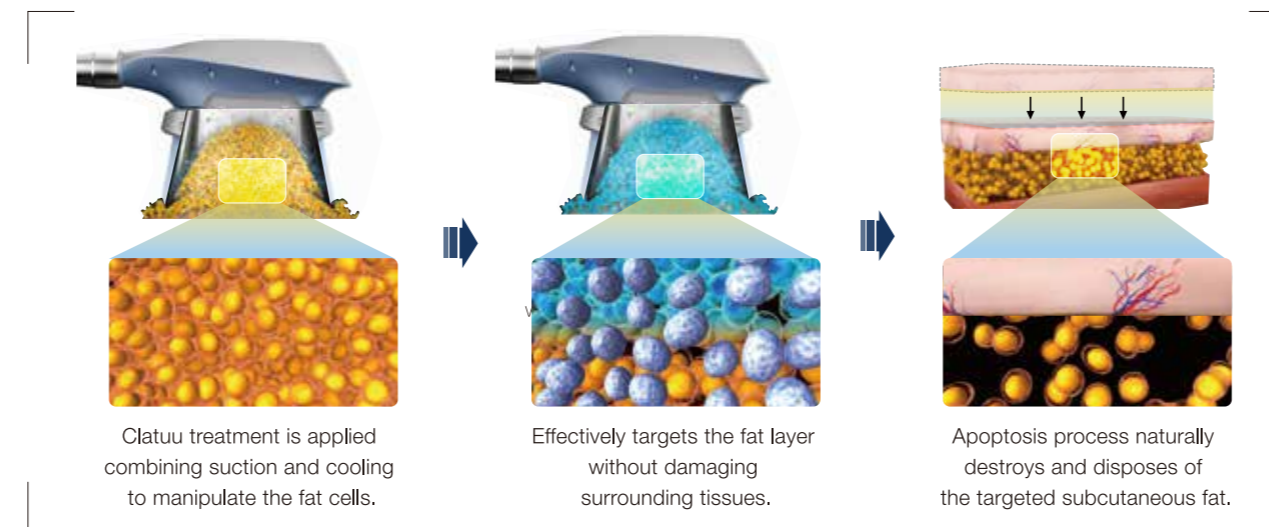
Two customized designs, a Wing Type applicator to cover larger areas and a Flat Type applicator to treat smaller areas.



Mechanism

The trend of heating and melting in non-invasive procedures are challenged with the cooling and freezing approach, to dispose of unwanted fat cells. Scientific research proves the delivery of cooling energy at temperatures of -9°C to the subcutaneous fat layer induces apoptosis.

Apoptosis, is scientifically proven to program cell death in particular for multicellular organism structures. The biochemical events of this process lead to changing characteristics of the fat cells, causing a natural cause of death and exit from the human body.



Research

Background/Aims

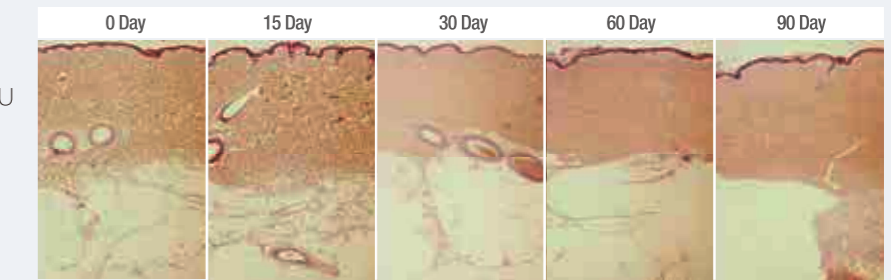
Freezing Fat Away is a noninvasive method for the selective reduction of localized fat tissues. It has demonstrated efficacy in both clinical and preclinical trials; however, despite its popularity, its mechanisms of action and evaluation methods are not yet fully defined. The purpose of this study was to improved methods for Freezing Fat Away using a porcine model.

Methods

The abdomens of female PWG micro-pigs were treated with a cooling device, and we examined the treatment effects using photography, three-dimensional photography, ultrasound, gross, and microscopic pathology, and serum lipid level analyses in order to determine the mechanism of action, efficacy, and safety.

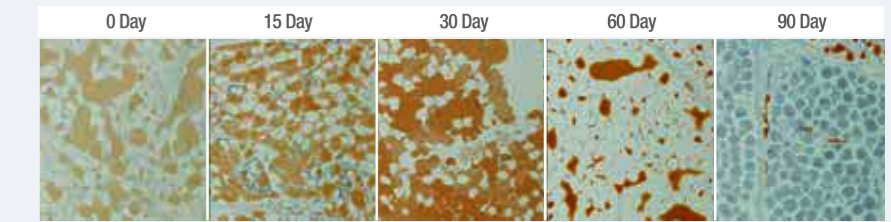
H & E stain

H & E staining test of the cell after 0, 15, 30, 60, 90th day from the CLATUU treatment, indicates that fat cells decreased after 30 days from the treatment. There were no Parakeratosis in epidermis, abnormal inflammation in dermis, or parenchyma necrosis.



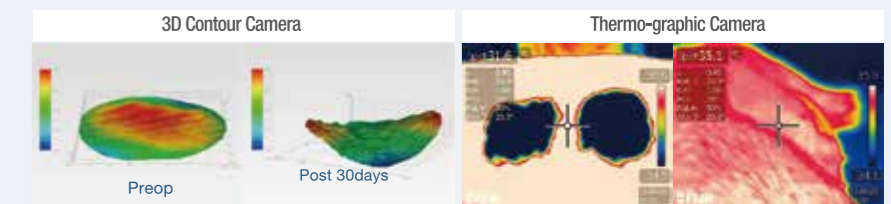
Adipocyte Oil red O stain

Oil red O staining test of the cell after 0, 15, 30, 60, 90th day from the CLATUU treatment, indicates that fat cells decreased after 30 days from the treatment.



Preclinical Test

It shows that CLATUU is working well during the treatment.



Results

CLATUU successfully reduced abdominal fat in our porcine model. Gross and microscopic histological results confirmed the noninvasive cold-induced selective subcutaneous fat destruction, and showed increases in pre-adiposity differentiation and in the activation of lipid catabolism. In particular, we found that CLATUU may increase PPARδ (delta) levels in adipose tissue at 30–60 days post-treatment.

Conclusion

Fat reduction by Freezing Fat Away was successfully achieved in our porcine model. Thus, our findings indicate that CLATUU may be a promising fat reduction device for body contouring and fat reduction in humans, and that Freezing Fat Away exerts its effects, at least partly, by targeting the PPARδ signaling pathway. These results show that both investigative and diagnostic potentials capacity.

Key words Freezing Fat Away – fat reduction – noninvasive cooling – PPARdelta