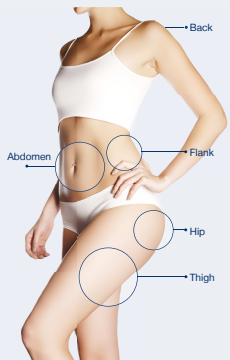


## Application



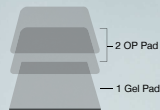
### Simultaneous Use of Hand-Pieces

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.



### MULTI FUNCTIONAL HAND-PIECES

<b>Flat Type</b>	Applicable for smaller treatment areas
<b>Wing Type</b>	Applicable for larger treatment areas

### SYSTEM SPECIFICATIONS

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



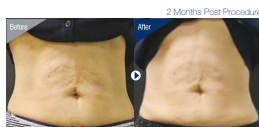
#### Distribution Switzerland:



LASERMED AG, Frohheimstrasse 2, 9325 Roggwil TG  
Telephone 071 454 70 30 Fax 071 454 70 34  
info@lasermed.ch www.lasermed.ch

LASERMED SA, Rte André Pillier 2, 1762 Givisiez FR  
Tel. 026 466 38 15 Fax 026 466 38 16  
info@lasermed.ch www.lasermed.ch

## Clinical Cases



### The Classys Advantage

Since 2007 Classys Inc. has provided absolute medical and aesthetic solutions to consumers around the globe. Our goal is to build revolutionary devices that make an impact to the industry. For the medical field, the Ultraformer, the Scizer, and Clatuu have made a difference to the industry standard under the Classys banner. Classys Inc. aspires to writing a new history that will lead to a market leading position providing solutions for centuries to come.

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

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# CLATUU™

FREEZING FAT AWAY



360° Surround Cooling Technology

Simultaneous Application

Non-invasive Fat Reduction

# Body Contouring System for Freezing Fat Away

## CLATUU

Achieve Effective Fat Reduction with a New and Proven Method

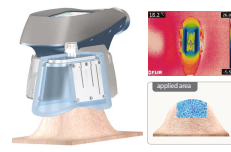


### Technology

#### • 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 by cooling technology.

#### ■ Faster & More Convenient Treatment

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

#### ■ Customized Applicators

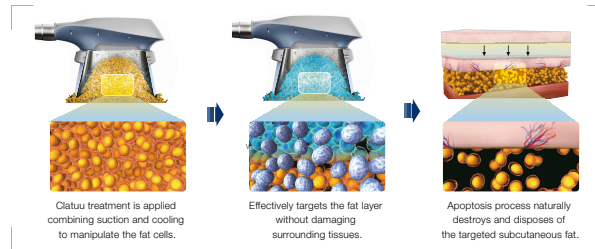
Two customized designs, a Wing Type applicator to cover larger areas and a Flat Type applicator to treat smaller areas.



### 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

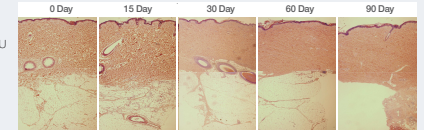
Freezing Fat Away is a noninvasive method for the selective reduction of localized fat tissues. It has demonstrated efficacy in both clinical and preclinical trials; however, despite its popularity, its mechanisms of action and evaluation methods are not yet fully defined. The purpose of this study was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

#### Methods

The abdomens of female PWD 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.

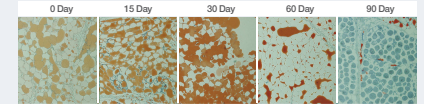
#### H & E stain

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 – PPARδ