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CLINICAL STUDY Dr. José Ramón Vázquez Casas





STUDY ON SECURITY AND EFFICACY OF ADIPOCYTOLYSIS THROUGH FREEZING

(Adipocytolysis assisted by freezing)





STUDY CONDUCTED BY:

> Dr. José Ramón Vázquez Casas – Medical Director in Centretimer.

CENTER STAFF:

- > Dolors Cámara Center Director.
- > Dr. José Ramón Vázquez *Medical Director*.
- > Dra. Paloma Mejina –Plastic surgery.
- > Dra. Maria Foglia Cosmetic surgery. ENT Surgery.
- > Dr. Luis Navarro Vascular surgery and angiology.





PROCEDURE:

- > Prospective observational study.
- > 30 cases of abdominal freezing, conducted by vacuum with the CoolTech® to -8°C during one hour. No other intervation will be taken.
- > Results assessment after 45 days.
- > Abdominal perimeter assessment through a vacuum process in the abdomen area 5 centimeters below the navel
- > Photographic assessment of morphological changes.
- > Satisfaction rate assessment after procedure.
- > Side-effects evaluation: pain, paresthesia, brusing, localized erythema.





INCLUSION CRITERIA:

- > Above 18 years.
- > Sign the consent form.
- > Localized fat on an abdominal level through an ultrasonography bigger than 25 mm.
- > Do not present any contrainidcation to the technique.





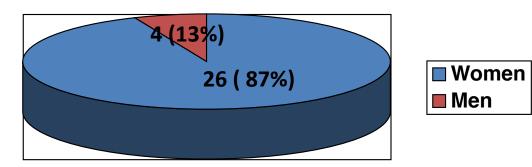
EXCLUSION CRITERIA:

- > Under 18 years.
- > Pregnancy.
- > Severe kidney failure.
- > Severe liver failure.
- > Poorly controlled diabettis with diabetic complications.
- > Cancer.
- > Fever.
- > Raynaud disease.
- > Cryoglobulinemia.
- > Systemic disease affecting the skin.
- > Aversion to cold.

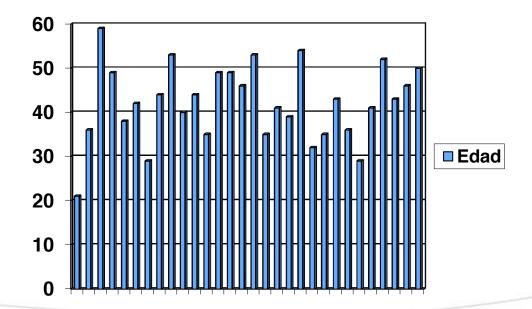




DEMOGRAPHIC DATA:



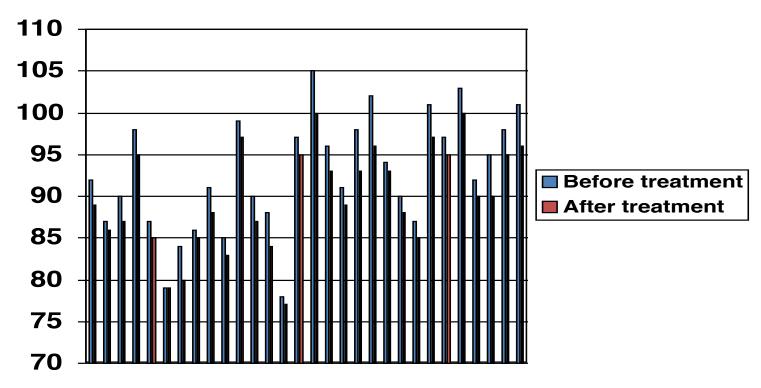
Assessment on 30 people, 26 women and 4 men with an average age of 43 years od.







RESULTS:

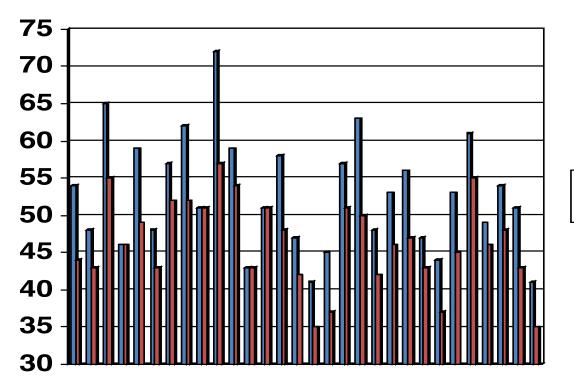


An average reduction of 5,9 on abdominal perimeter.





RESULTS:



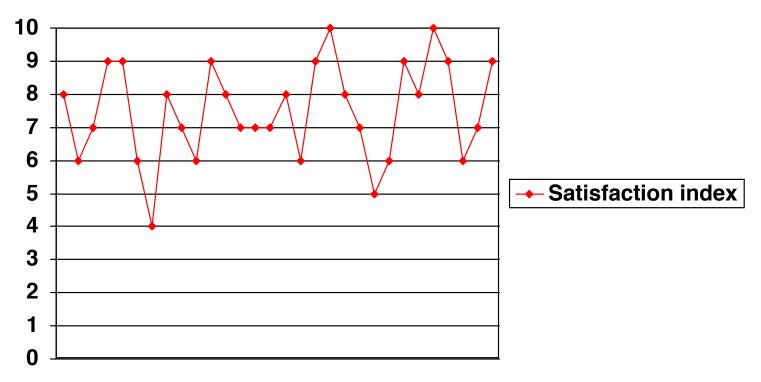
■ Before treatment■ After treatment

Average reduction of 52mm on adipose tissue thickness.





RESULTS:

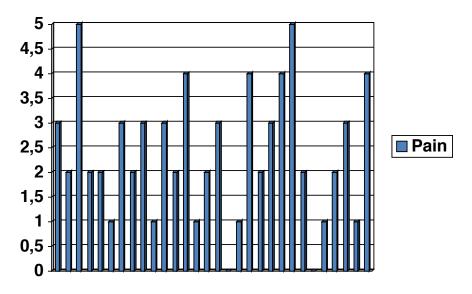


Index satisfaction rate of 7,5 / 10.

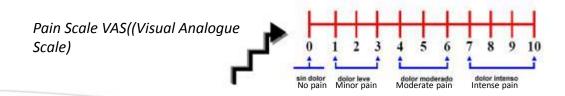




SIDE EFFECTS - PAIN:



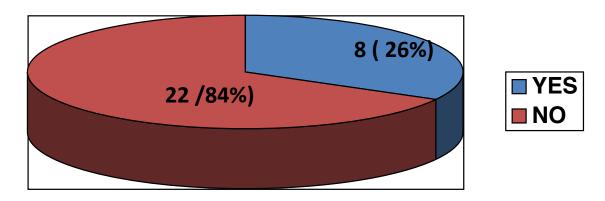
Media de dolor de 2 medido por escala EVA.







SIDE EFFECTS - BRUISING:

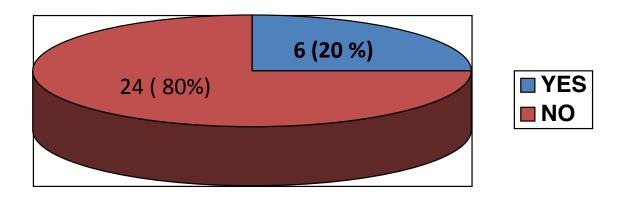


Minimum bruising on 26% of the patients





<u>SIDE EFFECTS – SD CONSTITUTIONAL :</u>

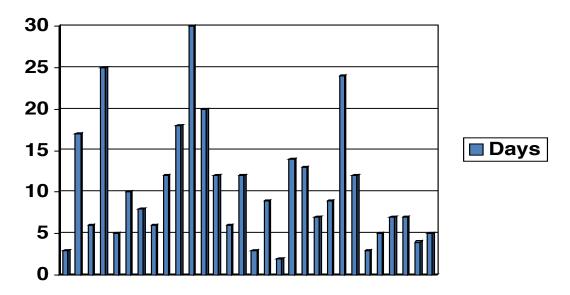


Constitutional SD (asthenia, myalgias and fever) 20%.





SIDE EFFECTS - PARESTHESIA:



Presence of paresthesia with an average duration of 10 days





CONCLUSIONS:

- The adipocytolysis as a result of the freezing process is a non-invasive method of body fat removal, with minimum complications, allowing daily life activities right after the procedure.
- Significant reduction of abdominal perimeter and subcutaneous fat thickness.
- High patient's satisfaction rate after the treatment.
- Female population in their 40s is the main customer for this treatment.





LITERATURE:

> Non-invasive cryolipolysi for body contouring in Chinese- a firts commercial experience.

Shek SY, Chan NP, Chan HH.

Laseres Surg Med. 2012 Feb; 44(2): 125-30.

> Synergistic effects of cryolypolisis and shock wawes for noninvasive body contouring.

Ferraro GA, De Francesco F, Cataldo C, Rossano F, Nicoletti G, D'Andrea F.

Anesthetic Plast Surg. 2012 Jun; 36(3): 666-79.

> Cryolypolisis for reduction of excess adipose tissue.

Nelson AA, Wasserman D, Avram MM.

Lasers Surg med 2009 Dec; 28(4): 244-9.





> Cryolypolisi for subcutaneous fat layer reduction.

Avram MM, Harry RS.

Lasers Sug Med. 2009 Dec;41(10): 703-8.

- Cryolypolisis for noninvasive fat cell destruction: initial results from a pig model.
 Zelickson B, Egbert BM, Preciado J, Allison J, Springer K, Rhoades RW, Manstein
 D. Dermatol Surg. 2009 Oct;35(10): 1462-70.
- > Clinical efficacy of noninvasive cryolypolisis and its effects on pheripheral nerves.
 Coleman SR, Sachdeva K. Egbert BM, Preciado J, Allison J.
 Aesthetic Plast Surg. 2009 Jul;33(4):482-8.



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CLINICAL RESULTS









BEFORE AFTER

> Female / 45 years

> 2 sessions / 6 weeks later









BEFORE

AFTER 4 weeks

> Female / 28 years

> 2 sessions / 4 weeks later









BEFORE AFTER

> Female / 28 years

> 2 sessions / 4 weeks later









BEFORE

AFTER

> Female / 34 years

> 1 session / 6 weeks later









BEFORE AFTER

> Female / 33 years

> 2 sessions / 6 weeks later









BEFORE AFTER

> Female / 26 years

> 2 sessions / 6 weeks later

