



# DICTYOPTERIS OIL

*LIPS AND BREASTS PLUMPING*

## VOLUME CAPTURE CONCEPT



PRODOTTI GIANNI

**CODIF**  
Recherche & Nature



SERVE... BE INSPIRED... REVEAL... OBSERVE... BE INSPIRED... REVEAL... OBSEF



***OBSERVE...***

## **VOLUME CAPTURE CONCEPT**

**Improving adipocytes nutrition in order to  
capture the volume**

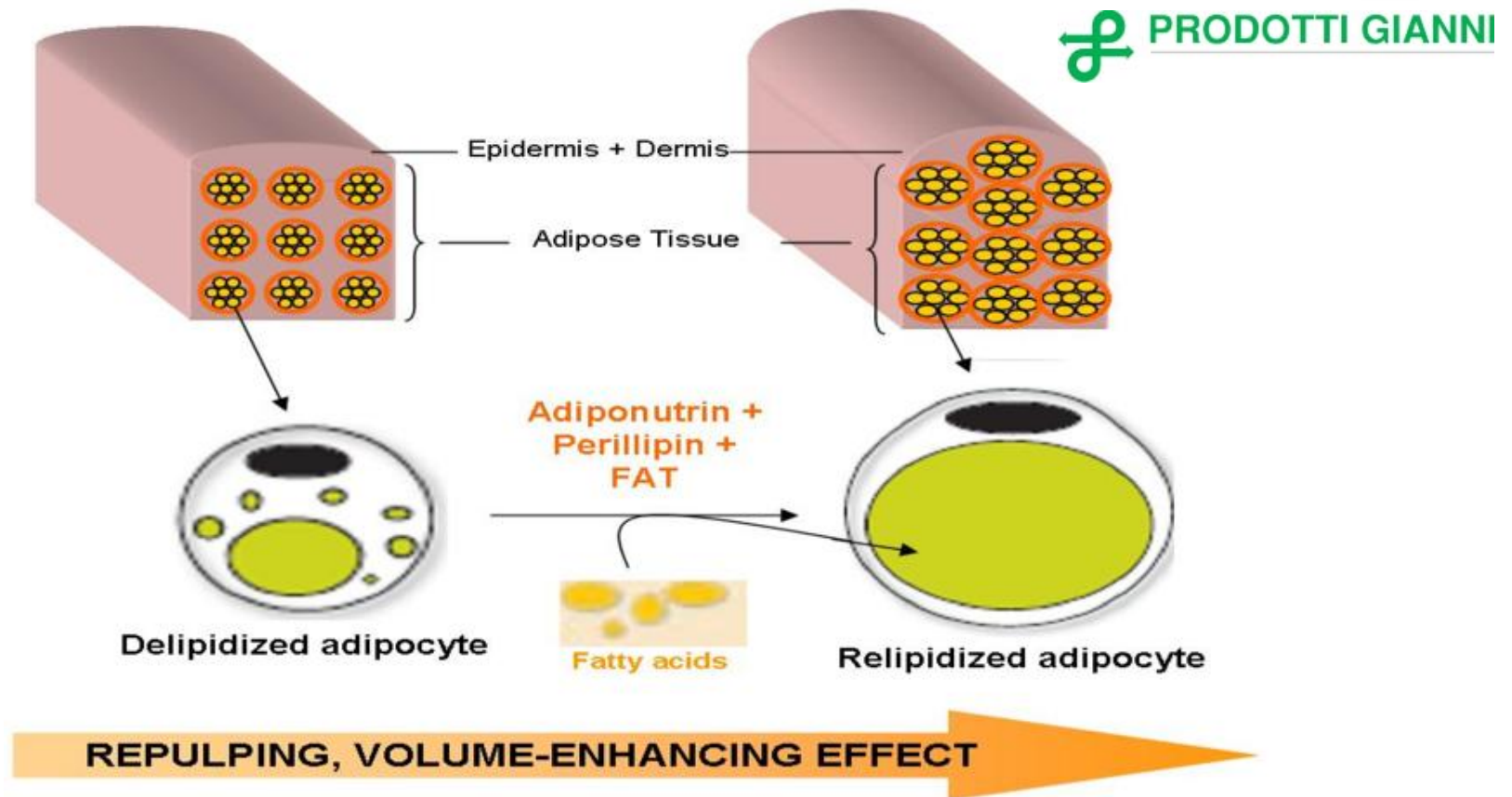
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## 3 enzymes to stimulate adipocytes nutrition

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- ***Adiponutrin***: adipokin which promotes the storage of triglycerides by adipocytes
- ***Fatty Acid Transferase (FAT)***: facilitates the transport of fatty acids inside adipocytes
- ***Perilipin***: protects lipid droplets from lipolysis

# 3 enzymes to stimulate adipocytes nutrition



By facilitating fatty acids transport and storage, and then by protecting them from lipolysis, ***FAT, Adiponutrin and Perilipin*** improve adipocyte nutrition for a ***volume booster effect***.

***BE INSPIRED...***

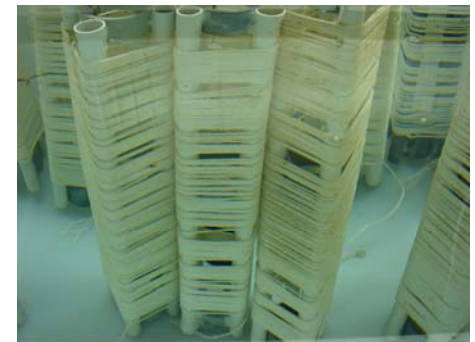
***Dictyopteris membranacea***



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# *Dictyopterus membranacea*

- Brown alga belonging to the Dictyoptales family
- Rich in **plant pheromones** that disseminate an ocean beach fragrance characteristic from Hawaii Bay
- Also called *Parfum d'Anthée* or *Sea Fern*
- **Eco-friendly concept:**
  - collected in the sea
  - Placed in hatcheries, spores production
  - Germination and formation of small algae
  - Transfer to the open sea for growth on a longline system
  - Collection for extraction (1 year after placing in the hatchery)



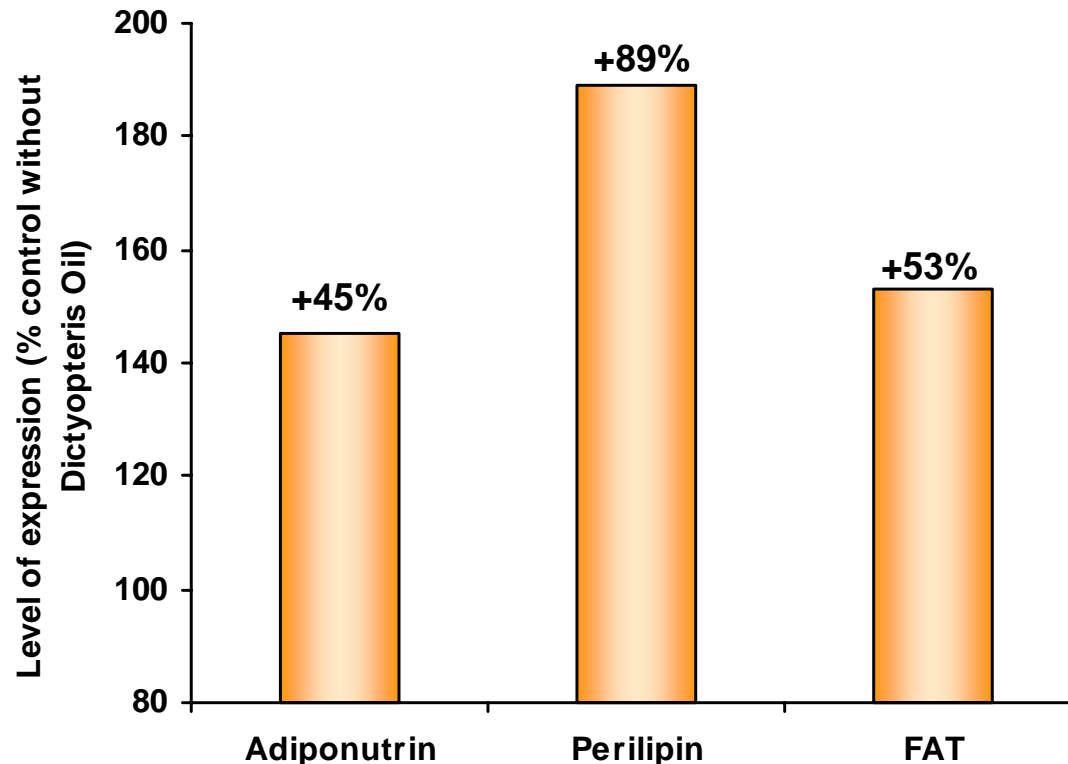
*Hatcheries*



*Longline system*

# ***In-vitro* tests: effect of Dictyopteris Oil on lipid capture**

**Effect of 0,05% Dictyopteris Oil on the synthesis of proteins responsible for lipidic storage**



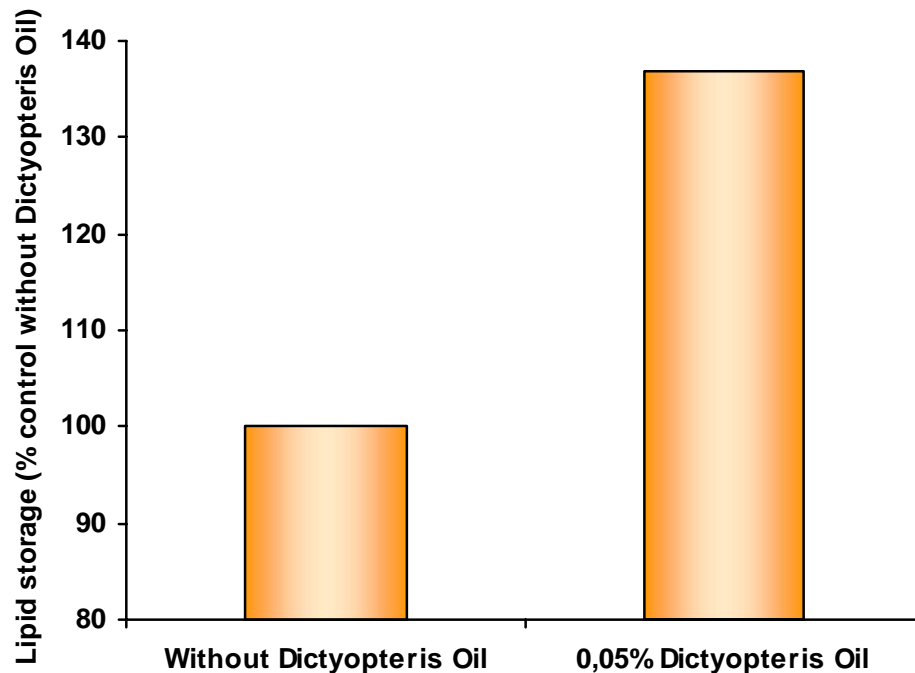
Protocol:  
Induction of differentiation of human pre-adipocytes in the presence or absence of Dictyopteris Oil.

Proteins demonstrated by the minichips method.

**From 0.05%, Dictyopteris Oil stimulates the synthesis of proteins implicated in adipocytes nutrition**

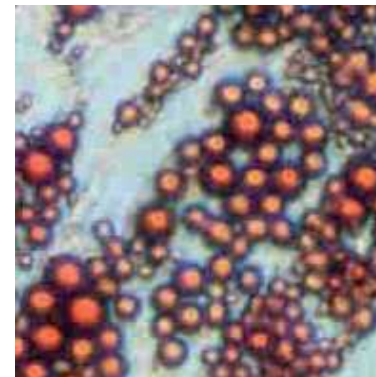
# ***In-vitro* tests: effect of Dictyopteris Oil on adipocytes nutrition**

## **Effect of 0,05% Dictyopteris Oil on lipid capture**

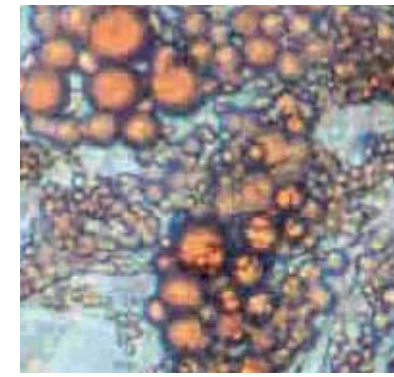


### Protocol:

*Induction of differentiation of human pre-adipocytes in the presence or absence of Dictyopteris Oil. Triglycerides are detected by staining with Red Oil and measuring the intensity from the optical density at 540nm.*



**Without Dictyopteris Oil**



**With 0.05% Dictyopteris Oil**

**From 0.05%, Dictyopteris Oil increases lipids capture, the volume is restored**



***REVEAL....***

# **VOLUME CAPTURE CONCEPT**

 **PRODOTTI GIANNI**

# Clinical test: volume booster effect of 1% Dyctiopteris Oil on lips and breasts

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- 17 volunteers aged from 25 to 40 years
- 2 applications per days on the lips and the breasts
- Evaluation of the smoothing and plumping effect on lips by fringe projection
- Evaluation of the plumping effect on breasts by fringe projection

# Clinical test: plumping effect of 1% Dyctiopteris Oil on lips

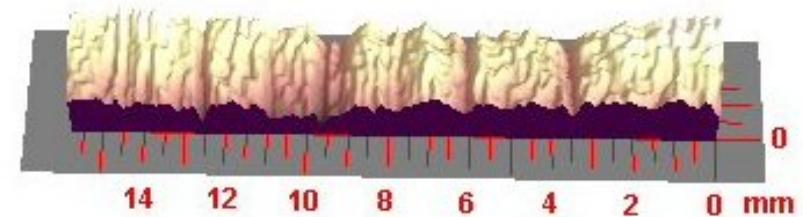
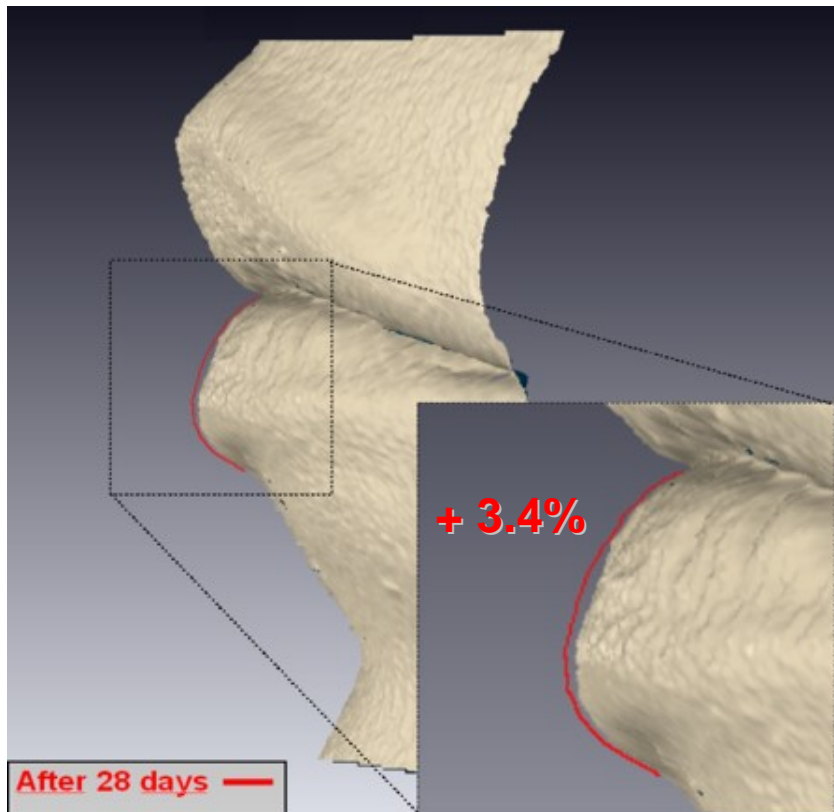


Volume booster **effect observed by 77%** on the volunteers.

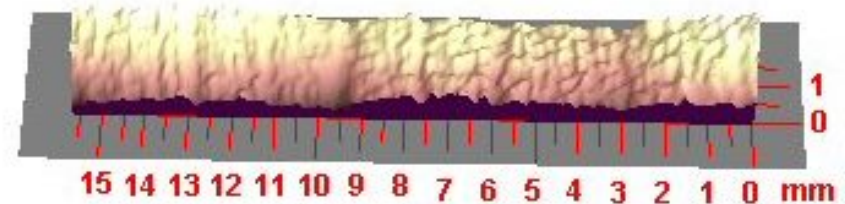
+0.9% on average and **up to +3.4%**

**Significant decrease** in lips **roughness up to -11.2%**

( $p < 0.05$  Student t test).



Before treatment



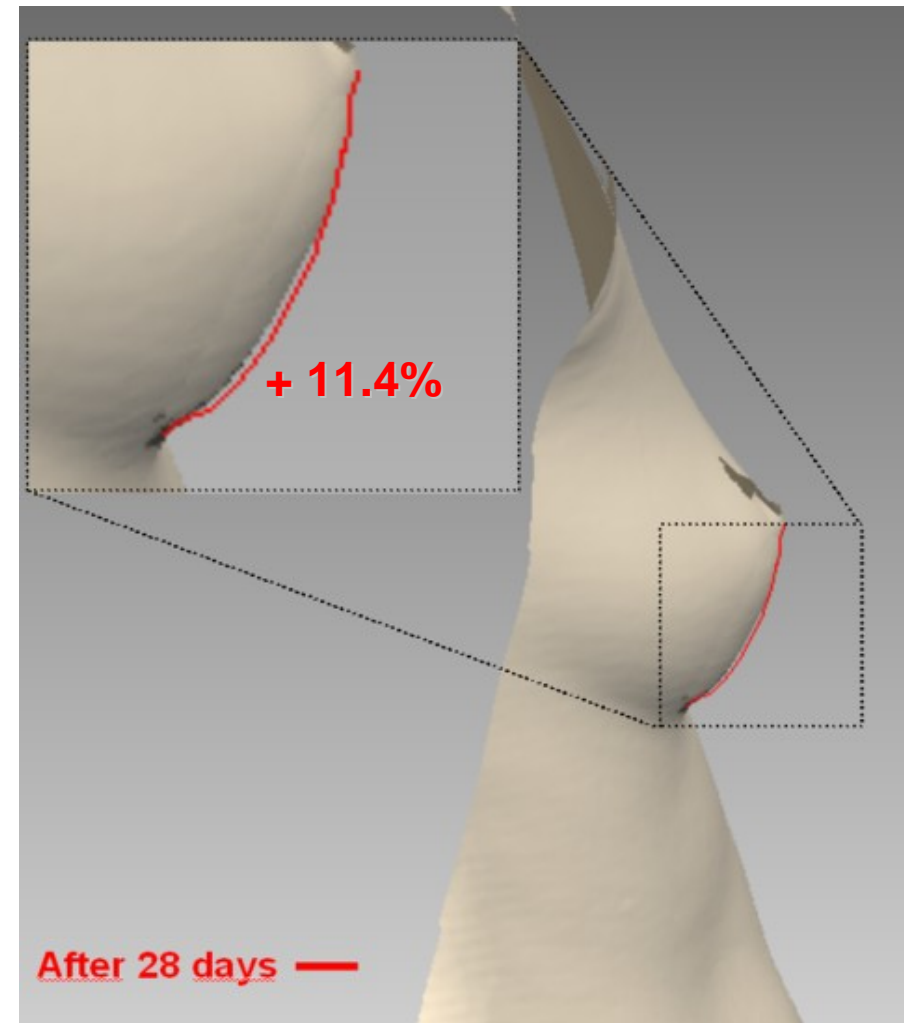
After treatment

# Clinical test: plumping effect of 1% Dyctiopteris Oil on breasts

Repulping **effect**  
**observed by 69%** of  
the volunteers.

**Significant increase** in  
breast volume of 1,5%  
on average ( $p < 0.05\%$   
Student t test)

and **up to +11.4%%**



# Conclusion

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## **DICTYOPTERIS OIL: REPLUMPING LIPS AND BUST**

- Stimulation of adiponutrin synthesis
  - Improvement of adipocytes nutrition
  - Replumping effect lips
  - Smoothing effect lips
  - Volume-enhancing bust
- } **VOLUME CAPTURE  
CONCEPT**

## ***ECO-FRIENDLY CONCEPT***

***INCI: Caprylic/capric triglycerides (and) Dictyopteris membranacea extract***

**Recommended % use: 1%**

