

**Endor Technologies** has invested years in medical research in dermatology to develop new technologies to promote healthy-looking skin.

# The Facial Collection

Patented formulations with gold thioethylamino hyaluronic acid, a new ingredient, developed with spherical gold nanoparticles conjugated to hundreds of low molecular weight hyaluronic acid oligomers. This innovative formulation is specifically designed to enhance the skin's natural ability to produce hyaluronic acid, collagen and elastin.

## Conclusion

The Serum and Cream help to enhance the skin's natural ability to produce hyaluronic acid, collagen and elastin, which are the proteins giving structure to the skin. This will have a direct and important impact on skin health and conditions.

## Patient benefits

- Reduces the appearance of wrinkles.
- Increases skin firmness.
- Smooths skin texture.
- Reduces skin impurities.
- Improves skin hydration.

## Free of harmful substances

All our products are free of parabens, sensitive preservatives, artificial colouring, emulsifiers and aggressive surfactants, pesticides, mutagenic or reprotoxic substances and skin irritating alcohols, sulphides, formaldehydes, nitrosamines, butylated hydroxytoluene, methylisothiazolinone and others. None of our products are animal tested.

## Facial product range



### Anti-aging Cream

Specially formulated for normal to oily skin.

Visibly reduces the appearance of lines and wrinkles.

Fast absorbing, skin feels soft and hydrated.

Improves skin texture and firmness.

- Light, non-greasy formula with patented gold and hyaluronic acid nanoparticles.
- Helps maintain results achieved with in-clinic procedures.



### Anti-aging Nutritive Cream

Specially formulated nutrient-rich moisturizer for dry skin.

Visibly reduces the appearance of lines and wrinkles.

Fast absorbing, skin feels soft and hydrated.

Improves skin texture and firmness.

- Provides intense skin hydration and protection.
- Helps maintain results achieved with in-clinic procedures.



### Anti-aging Eye Contour

For all skin types and specially formulated for the sensitive eye area.

Visibly reduces the sign of aging such as fatigue, wrinkles, dark circles and laxity.

Provides an instant glow.

Non-greasy formula with patented gold and hyaluronic acid nanoparticles.

Helps maintain results achieved with in-clinic procedures.



### Anti-aging Serum

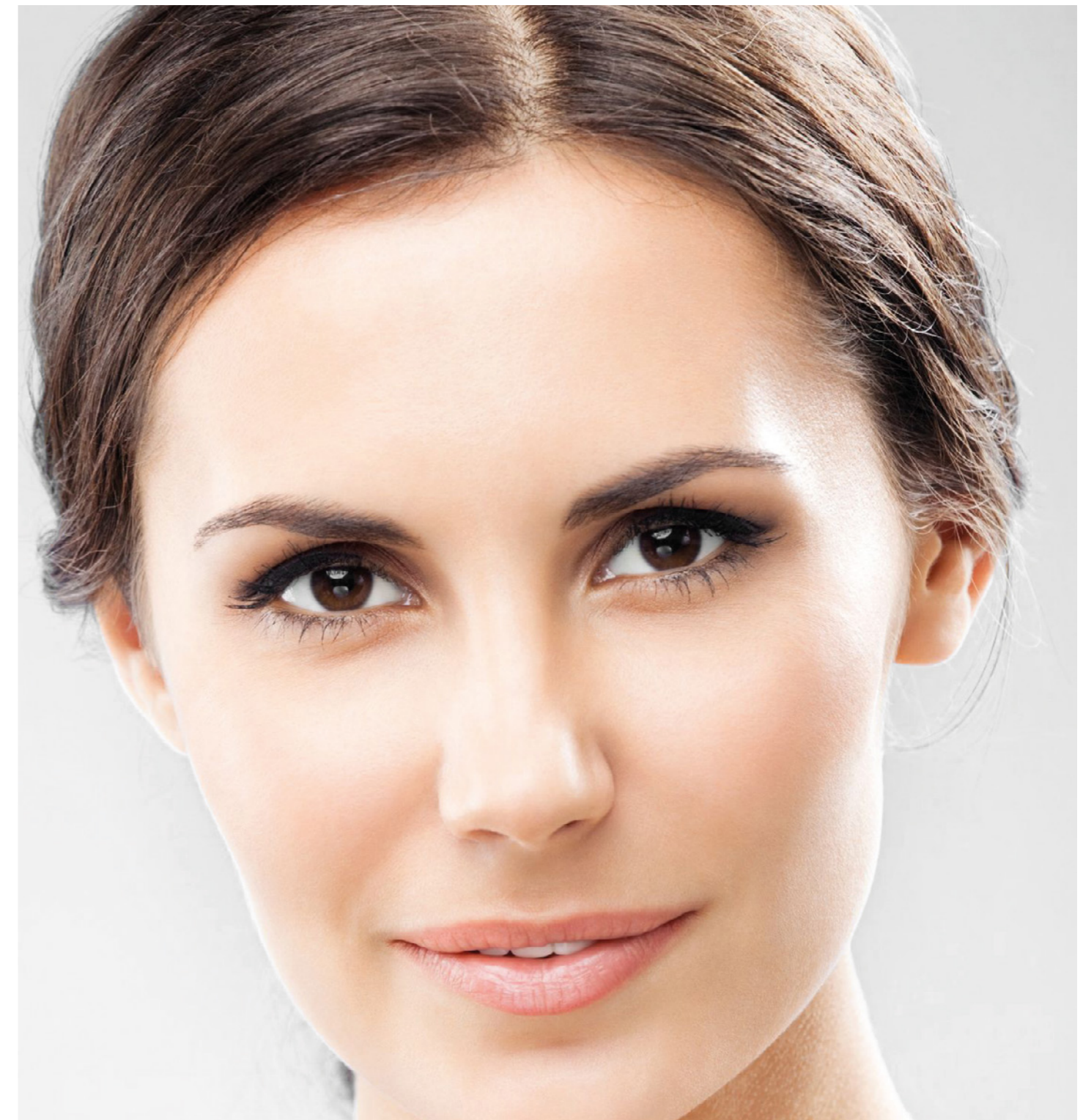
For all skin types

Fast absorbing, the Anti-aging Cream can be applied immediately after the Serum.

Intense and fast-acting, the Serum boosts the anti-aging effect when applied before the Anti-aAging Cream.

Light, non-greasy formula with patented gold and hyaluronic acid nanoparticles.

Helps maintain results achieved with in-clinic procedures.



# Clinical study summary

A clinical study performed with 23 volunteers for 28 days [applied twice daily] resulted in the following [average]:

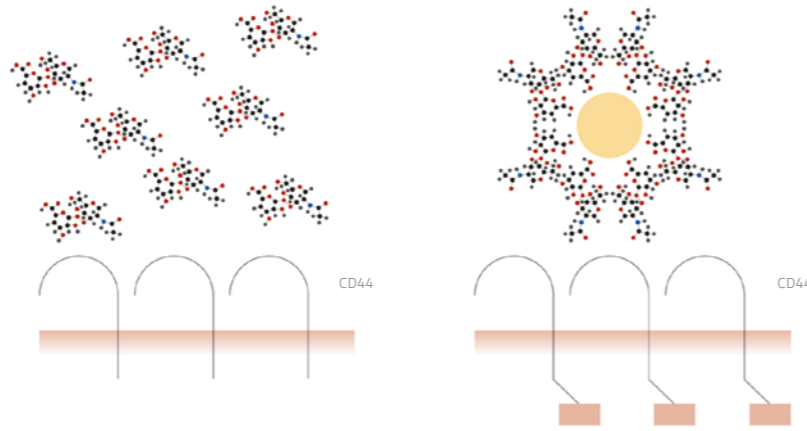
**25%** Wrinkle reduction  
56% Maximum (p<0.0001)

**27%** Roughness reduction  
50% Maximum (p<0.005)

**15%** Moisturization increase  
26% Maximum (p<0.0001)

## Mechanism of action

CD44 is a cell receptor involved in endogenous hyaluronic acid, collagen and elastin production. To be properly activated it's necessary to act on several of CD44 receptors at the same time. This effect can only be achieved by using a delivery system, otherwise ligands will get the cell asynchronously so the cell receptor will not be activated. The next image represent the technical strategy followed to develop the new active ingredient:

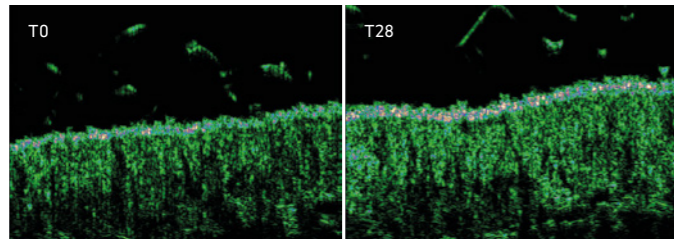


# Clinical study results

## Echogenic density

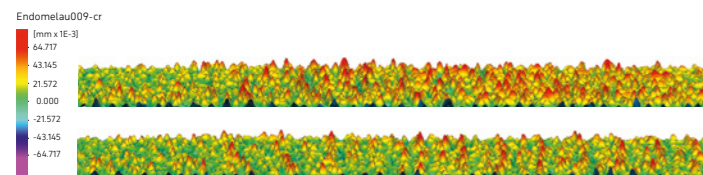
The increase in skin density of the dermis is notably high: an average of 37% with a maximum value of 171%. [Measured with ultrasonography]\*.

	% Average	% Maximum	[P]
	Increase [D28-D0]	Increase [D28-D0]	
Epidermis	30.04	88.98	<0.0001
Dermis	37.40	171.25	<0.0005



Facial images of a volunteer in the clinical study [in green hyaluronic acid, collagen and elastin]. First picture of the treatment area at T0. Second picture at T28.

## Roughness Reduction



## Facial skin improvement

A clinical study conducted at Hospital Teknon in 23 volunteers during 28 applying the treatment twice a day demonstrates a clear improvement in the global skin condition, promoting a young and healthy looking skin.



→ Noticeable improvement is shown

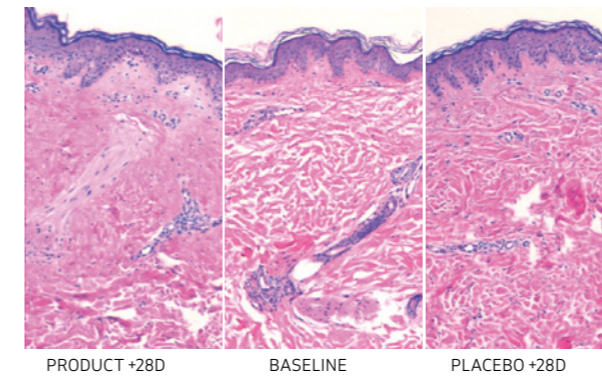
# Histological studies [vs. Control group] [\*]

In order to certify without any doubt the effect of Gold thiothylamino hyaluronic acid nanoparticle on the skin, biopsies were performed on the volunteers. The placebo used in the control group contained the same amount of hyaluronic acid as the treatment group in order to isolate the effects of the nano delivery system.

The staining procedure of the skin samples of the volunteers will allow us to prove in a colorimetric way the increase of the three most important proteins giving structure to the skin: Hyaluronic acid, collagen and elastin.

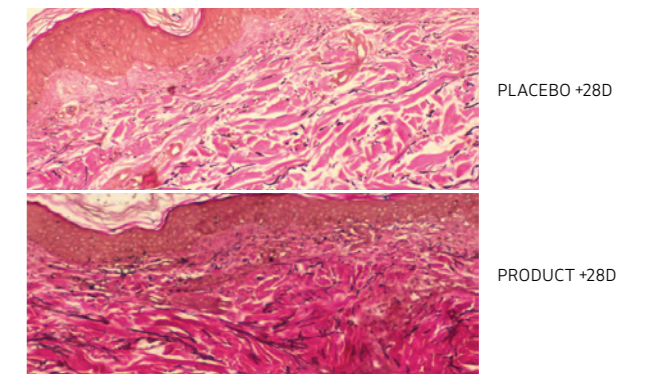
## Biopsies

The hematoxylin/eosin staining proves the evolution of the extracellular matrix during the 28 day treatment period. **There is a greater redensification of the skin after treatment observed with the product compared to the placebo.**



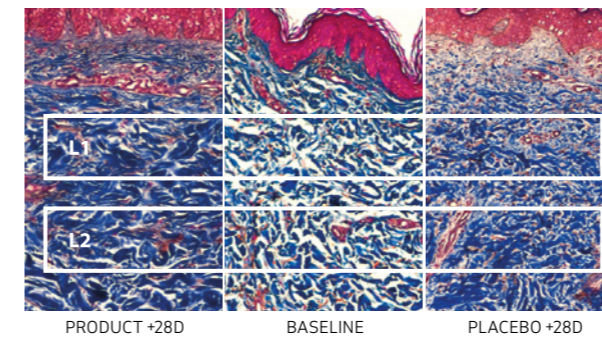
## Elastine

Verhoeff staining shows the elastine variation. In this case there is a significant qualitative increase of the elastine production using the product compared to placebo.

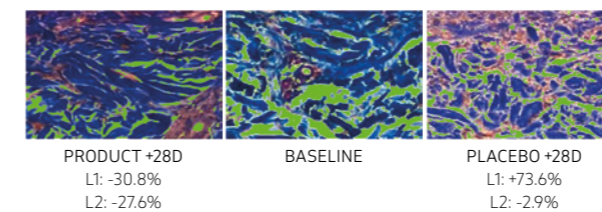


## Collagen

The collagen specific staining shows a significant increase in collagen production after the treatment with the product compared to the placebo.

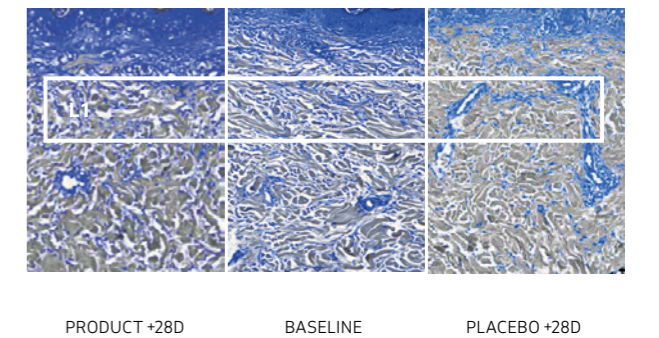


If we quantify non-staining surface, there is an increase in the collagen production of almost 30% after the treatment with the product. In contrast, the control group [placebo] shows variable and insignificant results.

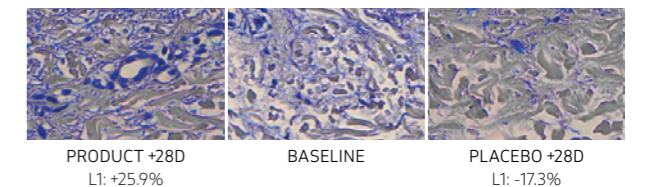


## Hyaluronic acid

The specific stain for hyaluronic acid shows a significant increase after the treatment with the product compared to the placebo.



Quantifying the staining cutting surface, there is an increase of the production of hyaluronic acid of more than 25% compared to the control [placebo] that did not show significant results.



\* Studies performed by "Instituto de Fotomedicina / Centro Médico Teknon. Barcelona, Spain.