

# BIOMIMETIC PEPTIDES

TKN ADVANCED





# About **us**

**TOSKANIMED** is the medical brand of the **TOSKANI GLOBAL** pharmaceutical laboratory which, with over 36 years of experience in the field of aesthetic medicine and present in more than 70 countries, specialises in medical and cosmetic products that are 100% designed for medical-aesthetic treatments.

## MISSION

**TOSKANIMED** provides medical professionals with the products needed to perform the most effective, efficient and safest treatments.

Our goal is to provide comprehensive and innovative solutions for skin care to professionals in the field of aesthetic medicine.

## WHAT MOTIVATES US

- + **Pharmaceutical quality** in the active ingredients of our products and total quality in all of the company's processes.
- + **Innovation** in formulas designed and developed to achieve comprehensive solutions based on advanced technology active ingredients (biomimetic peptides, liposomes, 3,000 kDa hyaluronic acid and so on).
- + **Safety.** All products are subjected to the most exhaustive controls so that their application is effective for the medical professional and safe for the patient.
- + **Efficacy.** The results of clinical studies conducted over the years support our products.
- + **Above all, respect** for professionals in the medical channel, patients and clients.
- + **Sustainability** and care for the environment.





# Biomimetic peptides



Peptides are fragments of proteins made entirely by amino acids. These amino acids can be combined in certain structures to turn into specific peptides and proteins.

Proteins are **fundamental for the homeostasis of the skin**: without proteins, the skin barrier can break down, causing loss of firmness, the appearance of wrinkles, as well as other undesirable effects.

There are certain **peptides that act as growth factors** as they bind to an endogenous receptor that can activate Elastin, Collagen or Hyaluronic Acid production.

**TOSKANIMED** uses peptides that fully mimic the action of certain endogenous peptides to **improve the quality and health of the skin**.



■ NCPR



■ RCPR



■ ECPR



■ HCPR



■ WCPR



■ Glowcomplex







# NCPR

**Nutritive Complex Poli Revitalising**  
5 x 5 ml / 0.17 fl oz vials

- Provides an intense nourishing effect
- Deeply moisturises
- Improves the skin's elasticity
- Provides an anti-ageing effect
- Improves the appearance of wrinkles
- Rejuvenates the skin

**4,8%**  
Hydration\*

**63,4%**  
Elasticity\*

## MAIN ACTIVE INGREDIENTS

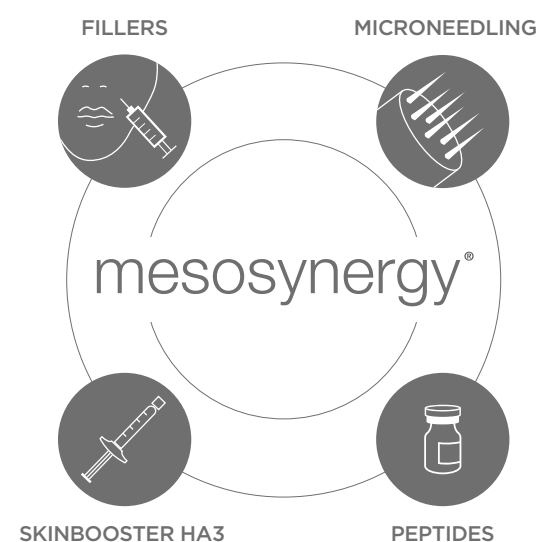


**High-purity pharmaceutical-grade hyaluronic acid**

- Medium molecular weight hyaluronic acid for overall hydration of the epidermis.

## OTHER ACTIVE INGREDIENTS

- 23 Amino acids
- 12 vitamins A, Group B, C and E
- 5 Coenzymes
- 3 Nucleic acids
- 4 Minerals
- 2 Reducing agents



## Results\*



Before

15 days after the 4th session



Before

15 days after the 4th session

\* Results for male patient aged 52, treated over 4 sessions with TKN HA3 + NCPR. Probe used for elasticity measurements, Cutometer® Dual, and for hydration measurements, Corneometer®.





# ECPR

## Eye Complex Poli Revitalising

5 x 5 ml / 0.17 fl oz vials

- Intensely rejuvenates the periorbital area
- Reduces dehydration
- Improves crow's feet, dark circles and bags
- Improves the appearance of swollen, tired eyes

### MAIN ACTIVE INGREDIENTS



#### Palmitoyl tripeptide-1

- Stimulates the synthesis of collagen I and III, fibronectin and laminin
- Can imitate the growth factors involved in the skin regeneration process and collagen production

#### Palmitoyl tetrapeptide-7

- Participates in the inflammation process
- Increases endogenous collagen and hyaluronic acid production in the skin
- This peptide can also break down the melanin present in dark circles to reduce colouring

#### Acetyl tetrapeptide-5

- Reduces eye bags

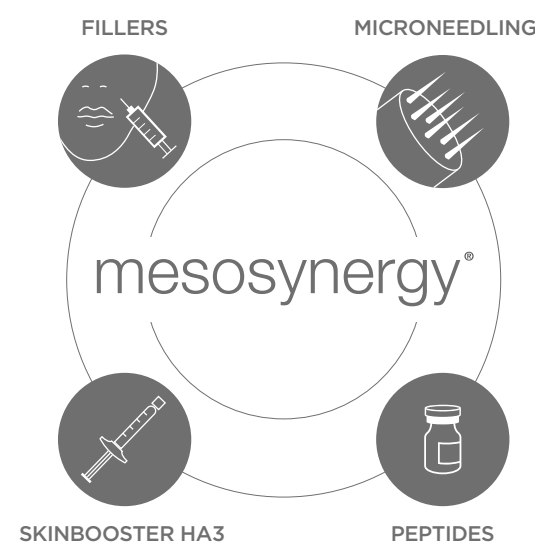


#### High-purity pharmaceutical-grade hyaluronic acid

- Medium molecular weight hyaluronic acid for overall hydration of the epidermis

### OTHER ACTIVE INGREDIENTS

Artichoke extract  
Ginkgo biloba extract  
Trolox  
Organic silicon  
Vitamin C



## Results\*



Before



15 days after the 3rd session

\* Female patient aged 59 treated with ECPR applied via microneedling carried out bi-weekly.





# RCPR

**Refine Complex Poli Revitalising**  
5 x 5 ml / 0.17 fl oz vials

- Provides an intense anti-ageing effect
- Reduces post-acne scarring
- Deeply hydrates
- Improves the appearance of dilated pores
- Smooths the cutaneous relief

**26,4%**  
Hydration\*

**18,5%**  
Elasticity\*

## MAIN ACTIVE INGREDIENTS



### b-FGF and TRX

- Stimulate dermal fibroblast proliferation

### EGF

- Increases collagen and elastin production

### IGF-1

- Boosts the cellular metabolism
- Inhibits premature ageing

### Copper tripeptide

- Activates the tissue regeneration pathway, stimulating elastin, collagen and GAG production



### High-purity pharmaceutical-grade hyaluronic acid

- Medium molecular weight hyaluronic acid 1% for overall hydration of the epidermis

## OTHER ACTIVE INGREDIENTS

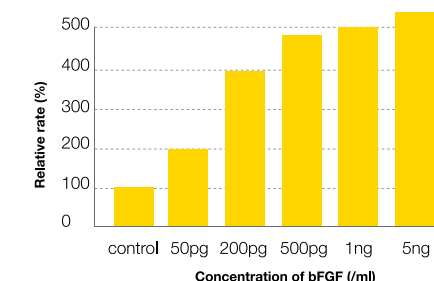
Amino acids

Vitamins

Coenzymes

Minerals

Nucleotides



In vitro culture with b-FGF shows the fibroblast survival rate is directly proportional to the concentration of b-FGF.



## Results\*



Before



15 days after the 3rd session



Before



15 days after the 3rd session

\* Results for female patient aged 59, treated over 3 sessions with TKN HA3 + RCPR. Probe used for elasticity measurements, Cutometer® Dual, and for dehydration measurements, Corneometer®.





# WCPR

**Brightening Complex Poli Revitalising**  
5 x 5 ml / 0.17 fl oz vials

- Reduces hyperpigmentation
- Prevents photoageing
- Offers detox action
- Improves skin quality

**18,7%**  
Erythema\*

**47,6%**  
Elasticity\*

## MAIN ACTIVE INGREDIENTS



### TRX

- Stimulates dermal fibroblast proliferation

### TGP-2

- Reduces melanin synthesis and tyrosinase activity

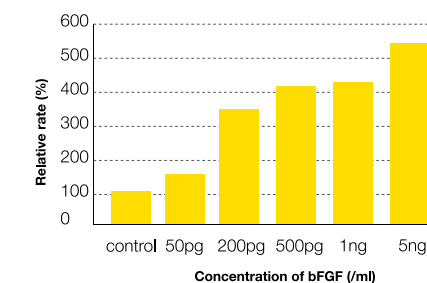
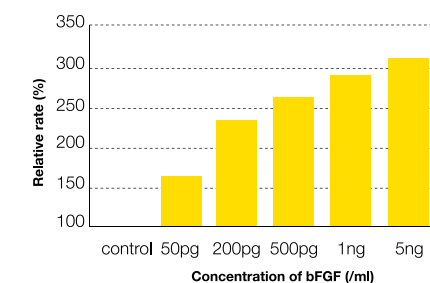
## OTHER ACTIVE INGREDIENTS

Alfa-arbutina

Glutathión

Extracto de Regaliz

Vitaminas C + B<sub>3</sub>



## Results\*



\* Male patient aged 64 treated over 2 sessions with skinbooster TKN HA 3 + WCPR. Probes used: Mexameter® and Cutometer® Dual.





# HCPR

**Hair Complex Poli Revitalising**  
5 x 5 ml / 0.17 fl oz vials

- Revitalises and strengthens the hair fibre
- Hydrates and nourishes the scalp
- Improves thickness and density

**+17,0%**  
new hair after  
10 sessions\*

**+6,8%**  
total hair thickness  
after 10 sessions\*

## MAIN ACTIVE INGREDIENTS



### bFGF

- Boosts blood microcirculation in the scalp and revitalises hair follicles

### IGF-1

- Strengthens the hair and stimulates hair follicles to produce a strong hair

### vEGF

- Helps nutrients reach the miniaturised hair follicle by stimulating angiogenesis

## OTHER ACTIVE INGREDIENTS

### Vitamins

### Minerals

### Amino acids

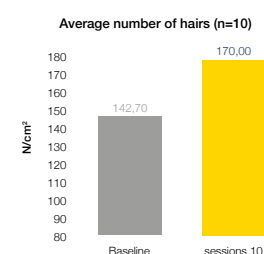
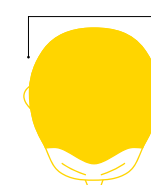
### Coenzymes

### Glutathione

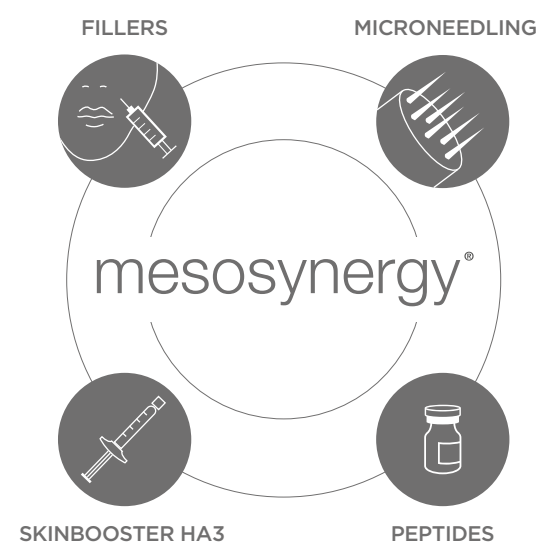
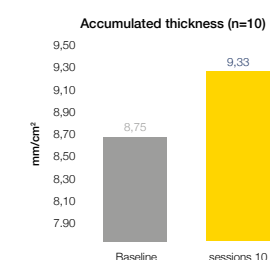
### Nucleotides

## Results\*

### Occipital area



### Frontal area



Before



After 10 sessions



Before



After 10 sessions

\* Microneedling treatment with sterile cosmetic products containing *Sabal Serrulata* and biomimetic peptides. Dr Enrique Lorente.



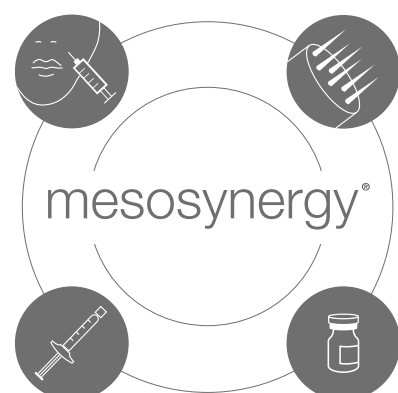
# Multivitamins and **Hyaluronics**



## Glowcomplex

2 x 5 ml / 0.17 fl oz vials

- Brightening and firming effect
- Improves skin tone



### MAIN ACTIVE INGREDIENTS

Vitamins	Sodium DNA
Hyaluronic acid	DMEA
Amino acids	Organic silicon
Mineral salts	



## TKN HA MW 2%

1.300 - 1.500 kDa



Medium molecular weight  
hyaluronic acid



## TKN HA XS 2%

<100 kDa



Low molecular weight  
hyaluronic acid

# Mesosynergy®

## a unique concept

At **TOSKANIMED** we work on a unique concept named **Mesosynergy®** which combines biomimetic peptides, used as delivery vehicles with the microneedling **neopenMED®** device, with intradermal injectables to fully enhance skin **hydration**, **firmness** and **elasticity** results.

**19,8%** Hydration\* | **15,5%** Firmness\* | **66,1%** Elasticity\*

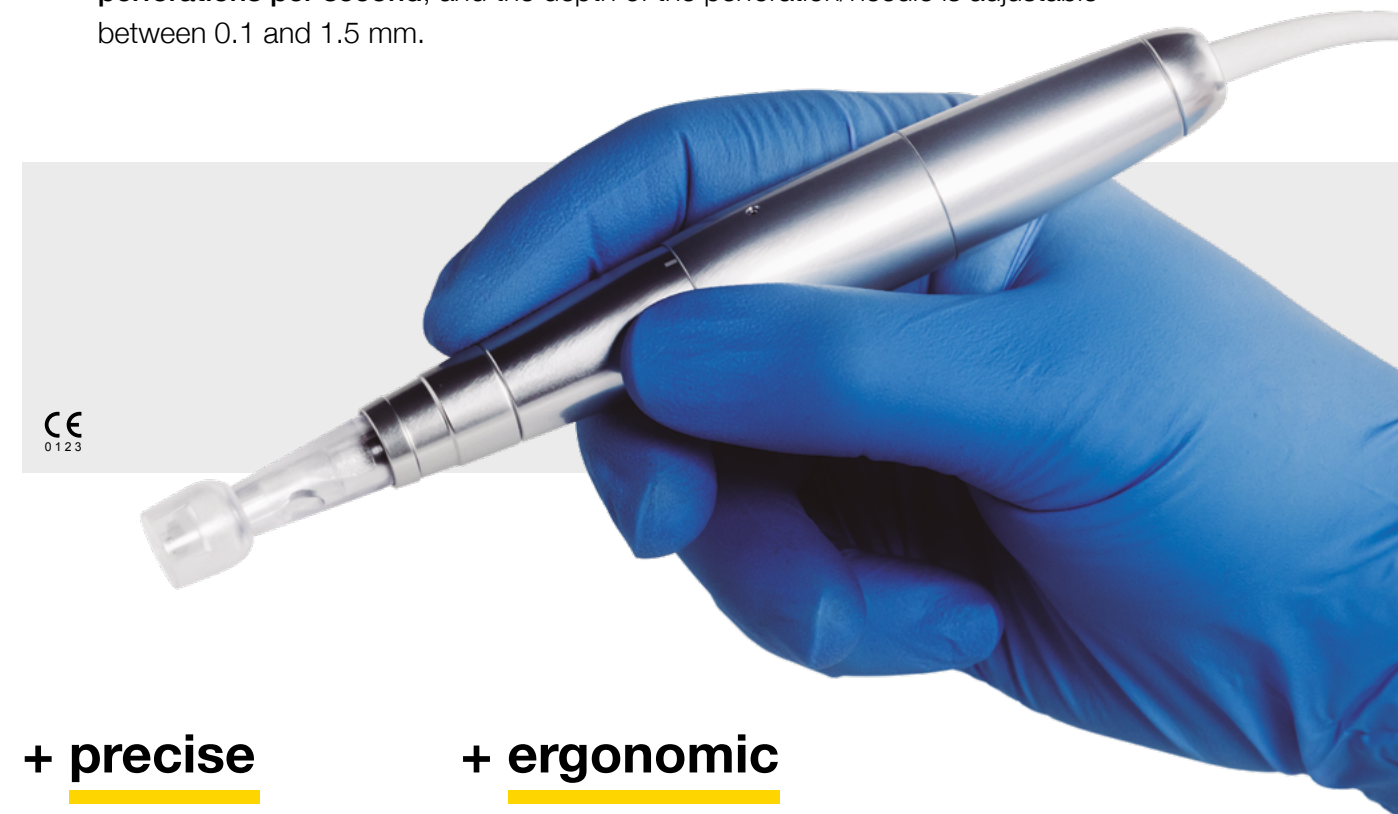


# neopenMED®

## the Revolución

The arrival of **neopenMED®** marks a before and after in medical microneedling devices for the application of our biomimetic peptides.

**neopenMED®** offers **high precision** thanks to its instantaneous penetration system, keeping the surrounding skin intact, thus favouring a more reproducible application pattern. The six-needle system in its head allows up to **900 perforations per second**, and the depth of the perforation/needle is adjustable between 0.1 and 1.5 mm.



### + precise

Its adaptable mobile head ensures **punctures are always perpendicular** to the skin.

### + ergonomic

Its lightweight design provides the professional with **greater comfort** of use.

### + silent

A feeling of **less stress** is achieved for the patient.

### + reliable

German engineering provides the equipment with a **greater technological guarantee**.

### + effective

**Impressive results** are achieved thanks to its ease of use.

\* LORENTE, Enrique; PÉREZ, María Llanos. 2022. High molecular weight hyaluronic acid (HMWHA) for the treatment and prevention of skin aging. TKN HA3® for the skin aging. Aesthetic medicine. Volume 8, Nº 4, October - December 2022, pages 12-20.



# The Microneedling technique

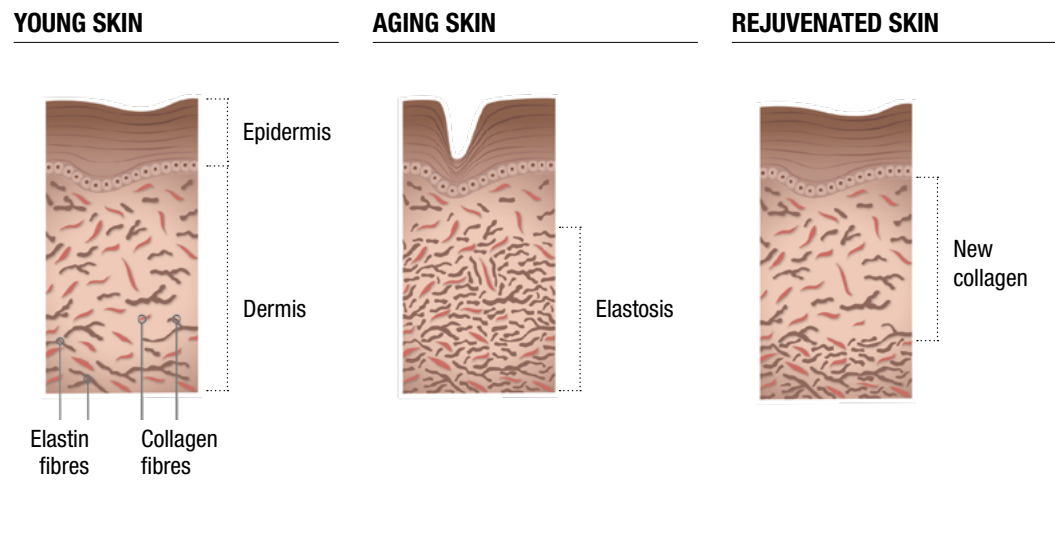
by **TOSKANI**MED

**Microneedling** is a technique that improves the appearance, texture and overall quality of the skin.

Tiny punctures **open channels in the epidermal layer, down to the dermis**, which leads to increased **collagen and elastin production** while aiding active ingredient penetration.

It also favours **neo-vascularisation and the release of growth factors** that are beneficial for the health of the skin and scalp.<sup>1,2,3</sup>

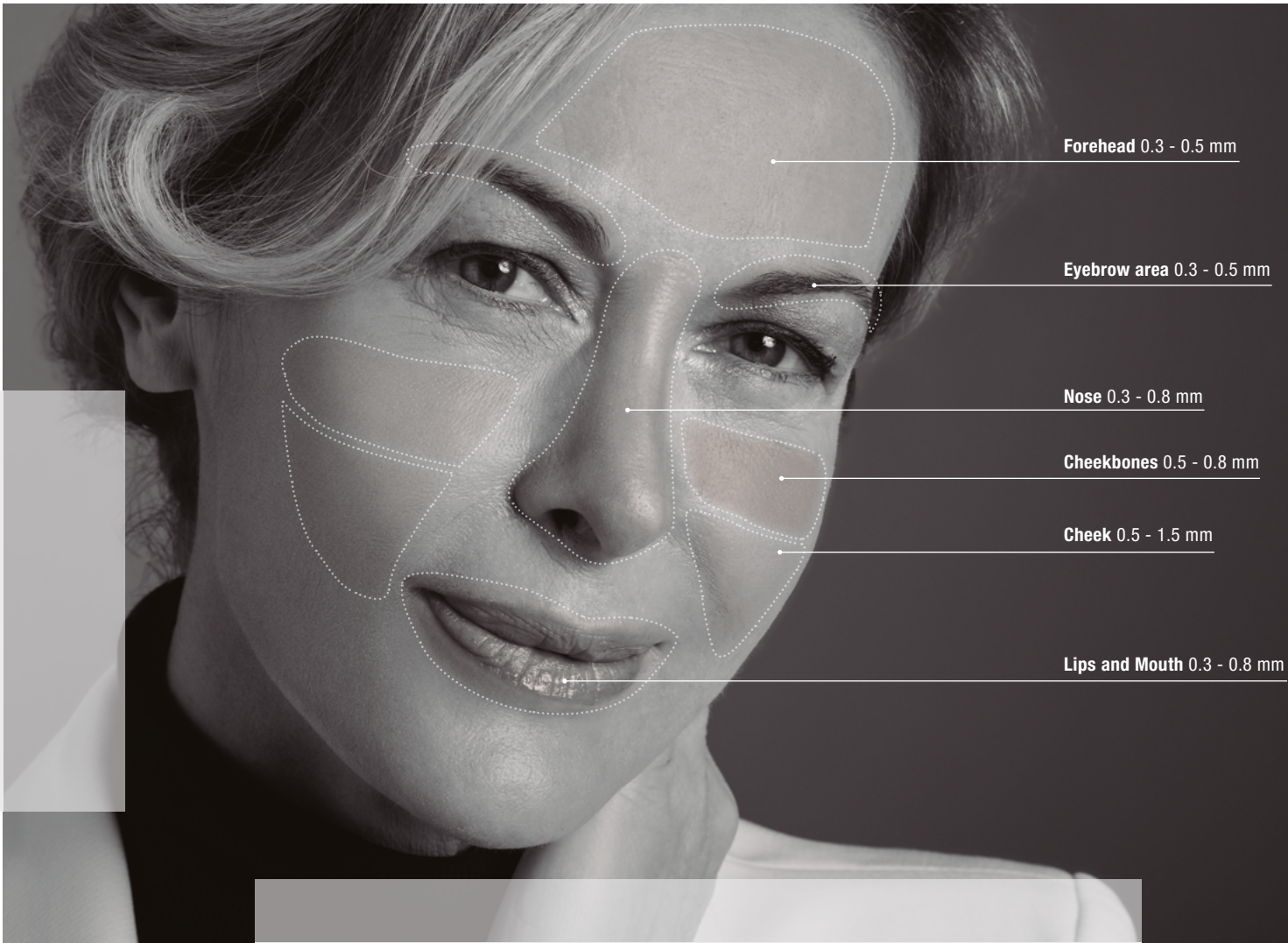
## Connective tissue enhancement



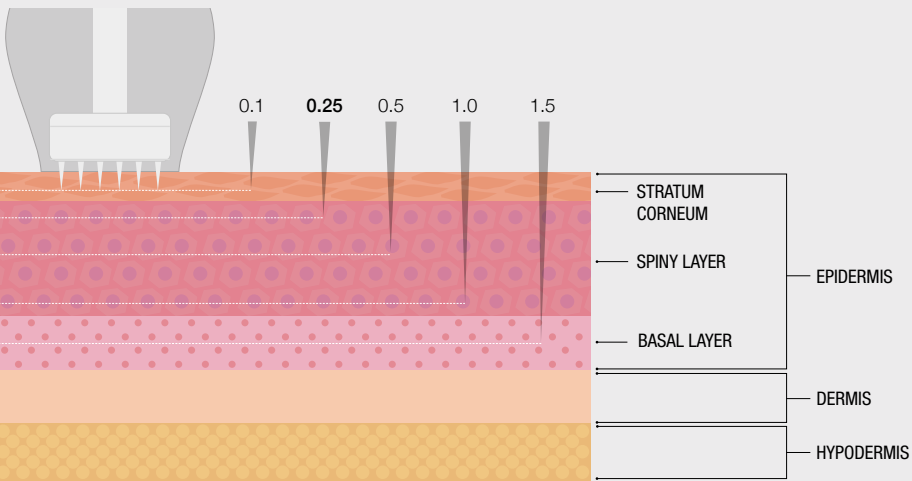
1 A Randomised Controlled, Single-Observer Blinded Study to Determine the Efficacy of Topical Minoxidil plus Microneedling versus Topical Minoxidil Alone in the Treatment of Androgenetic Alopecia. Muriki K Kumar, Arun C Inamadar, Aparna Palit.

2 Repeated Microneedle Stimulation Induces Enhanced Hair Growth in a Murine Model Yoon Seob Kim, Kwan Ho Jeong, Jung Eun Kim, Young Jun Woo, Beom Joon Kim, Hoon Kang- Departamento de Dermatología, Hospital St. Paul, Facultad de Medicina, Universidad Católica de Corea, Seúl, Corea.

3 Microneedling for the treatment of hair loss R M Fertig, A C Gamret, J Cervantes, A Tosti.



## Application of the Microneedling technique with neopenMED®



0.25 mm recommended depth for mesosynergy®.



 **TOSKANI MED**  
PASSION FOR SKIN®

CE  
0123





+34 93 844 78 25  
info@toskani.com  
toskanimed.com

