

AETERDERM™

PURIHILO PN

3.2 % - 40 mg (H-HA) + 40 mg (L-HA) / 2.5 mL

1.0 % - 25 mg (PN) / 2.5 mL

Hyaluronic acid sodium salt + Polynucleotide

2.5 mL pre-filled syringe



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Hyaluronic acid sodium salt + Polynucleotide
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Mixing and Stabilizing H-HA & L-HA

ABEPTM 
WIPO | PCT
The International
Patent System

HYBRID Technology

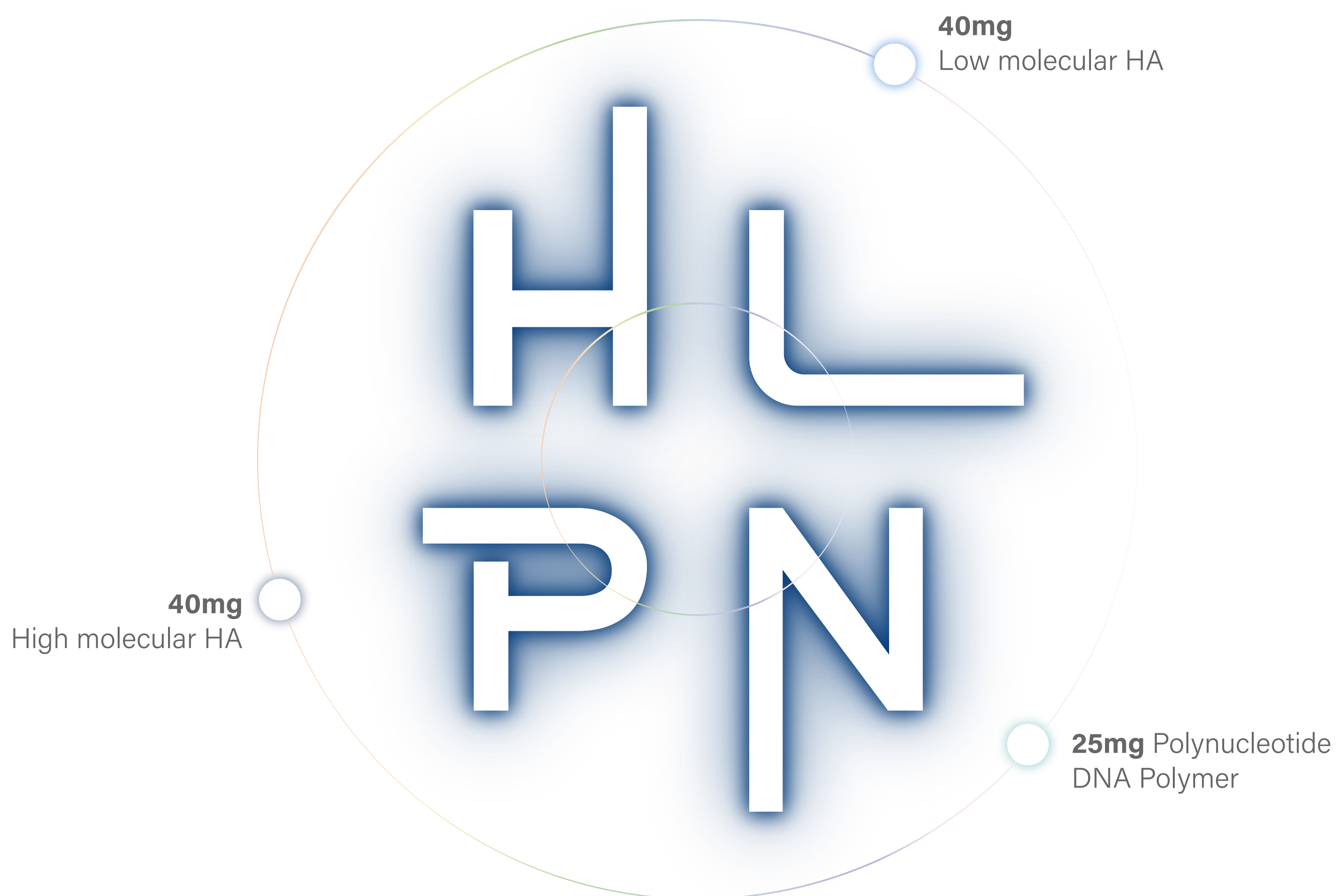
PCT International Patented

AETERDERM™

PURRILL O_{PM}



AETERDERM™
PURIHILO_{PN}



H+L & PN
HIGH-CONCENTRATED
HYDRATION & REVITALIZATION

HA concentration (80mg / 2.5 mL) & Polynucleotide (25mg / 2.5 mL)

H+L Synthesis & stabilized
by **Acid-base equilibrium** according to

ABEPTM 
WIPO | PCT
The International
Patent System

HYBRID Technology
PCT International Patented

Prevents HA denaturation by not using thermal synthesis

NO BDDE or other cross-linking agents used

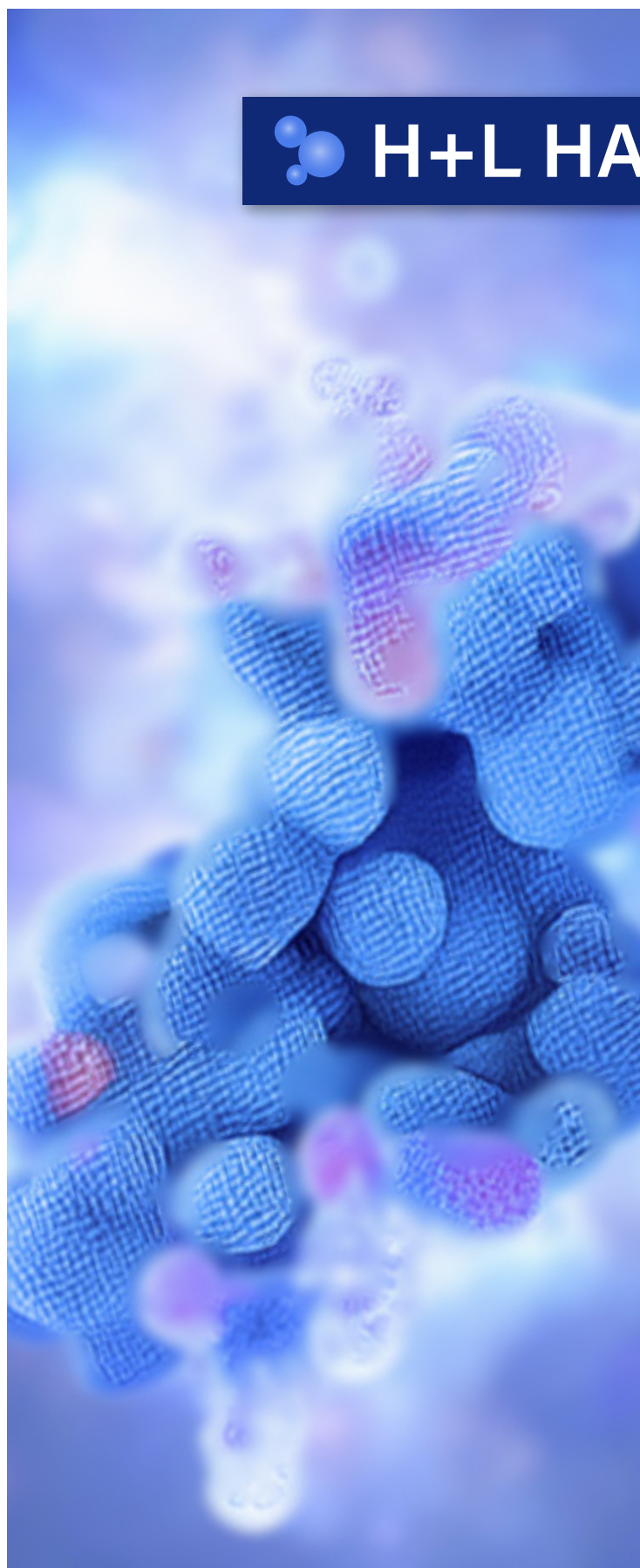
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PURIHILO PN



MECHANISM

Stabilized H+L Hyaluronic Acid Hybrid Complexes



Highly Restore Hydration

Leading to a remodeling of the extracellular matrix in terms of

Elasticity

Support

Lifting Effect by Stable Skin Structure

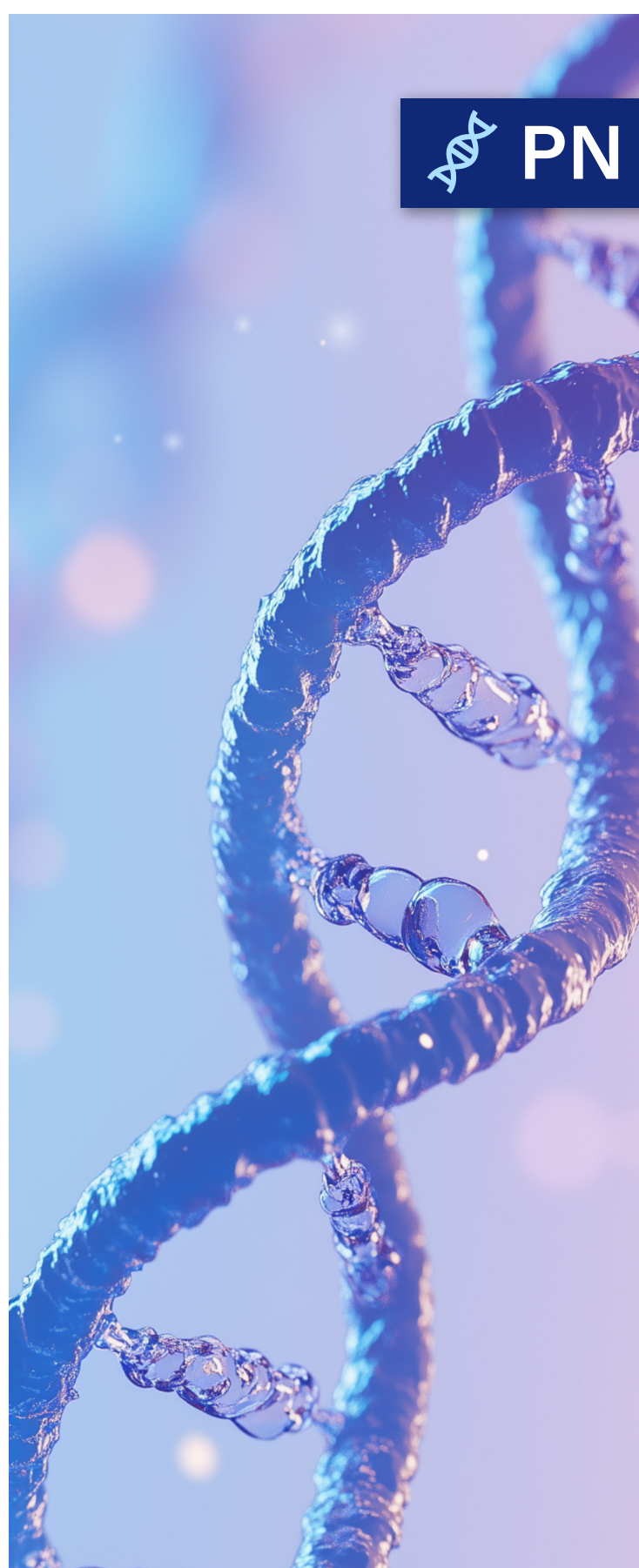
Promoting and maintaining the viability of

Fibroblasts

Keratinocytes

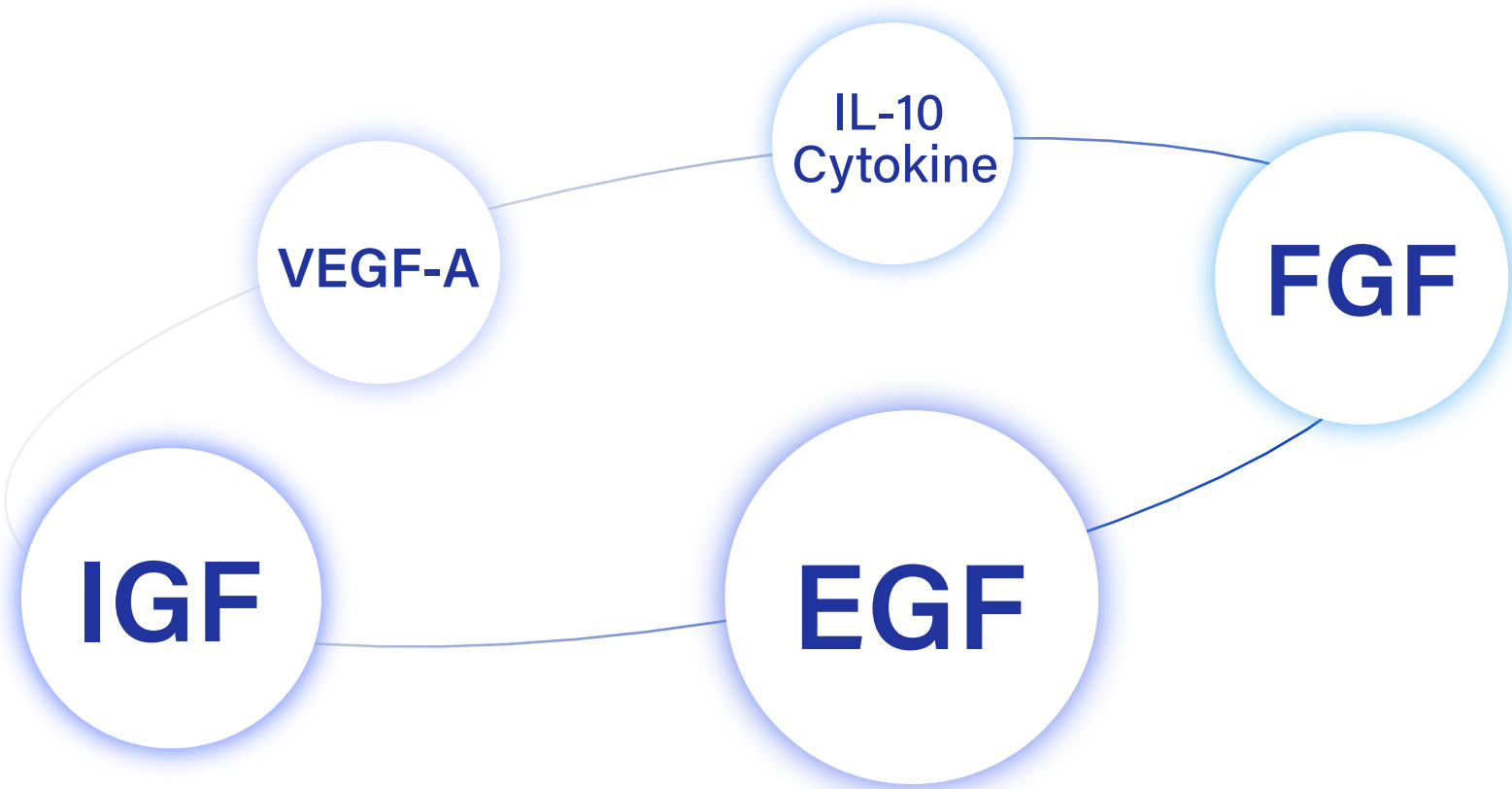
Adipocytes

Polynucleotide DNA Polymer



Rejuvenating & Revital Actions

via Activating 4 growth factors and Cytokine



Stimulates Collagen & Elastine Synthesis

via Salvage pathway

INDICATIONS

Tissue remodeling and improvement in skin laxity

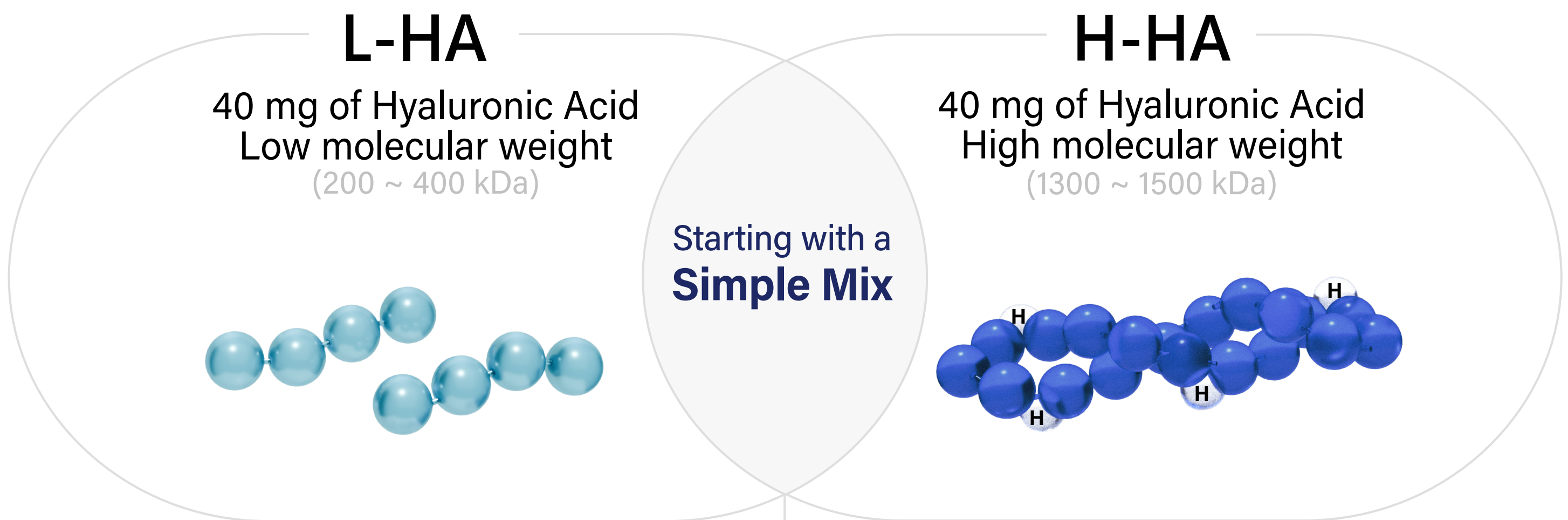
Face

Neck

Body

Hands

TECHNOLOGY



ABEPTM
HYBRID Technology
PCT International Patent

The simple mix makes Hybrid complex by Acid-base equilibrium, according to ABET process
(No chemical cross-linking agents used)

PURIHILO's **H+L HA** | Stabilized hybrid cooperative complexes

Highly manageable

Low viscosity

Low inflammatory response

- Prevents HA denaturation by not using thermal synthesis
- High HA concentration (80mg / 2.5 mL)
- NO BDDE or other chemical agents
- Stabilized hybrid HA with a duration comparable to a low cross-linked gel

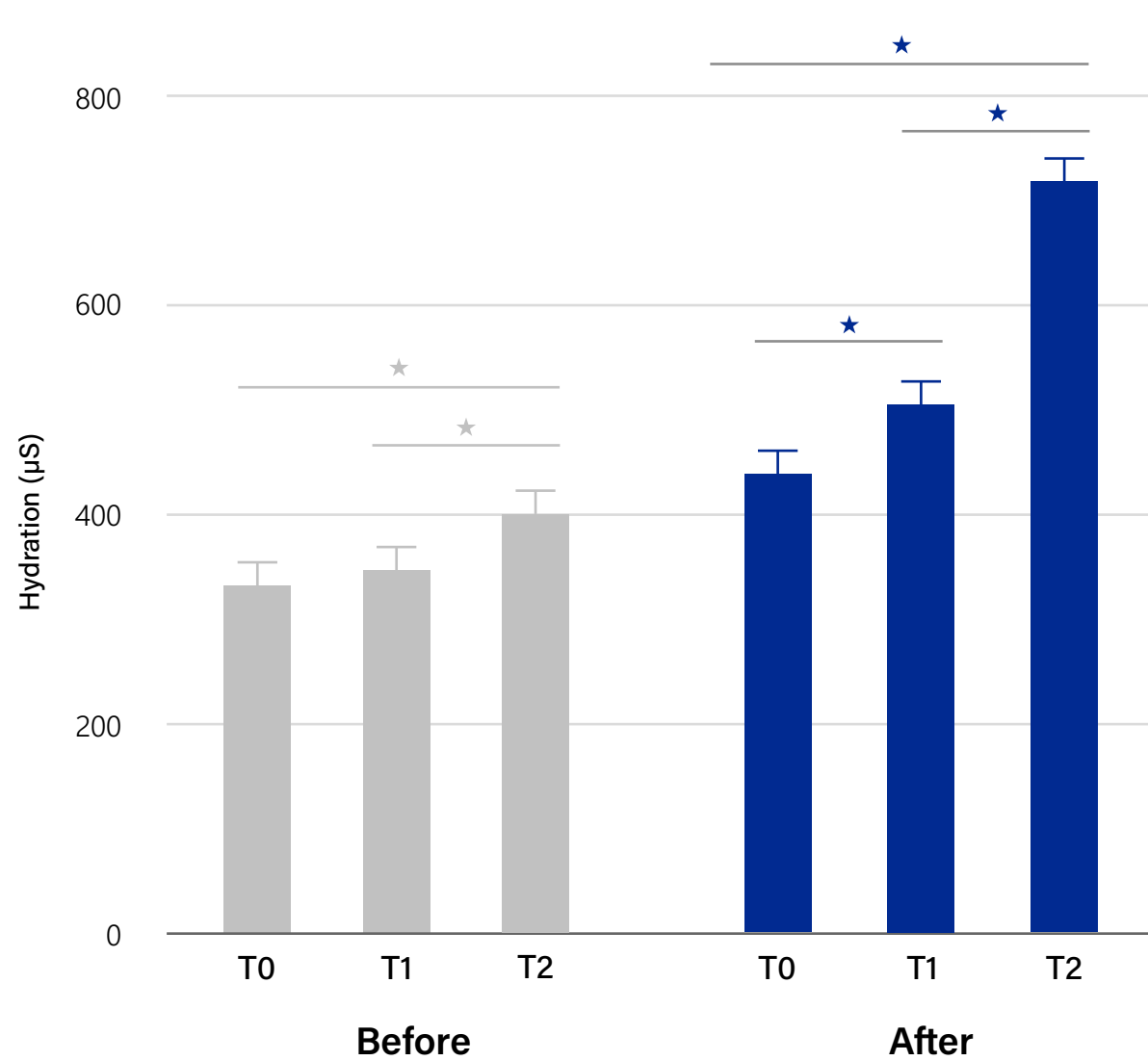
PURIHILO's **PN** (Polynucleotide) | contained in the PURIHILO PN

- PURIHILO PN uses only certified medical grade Polynucleotide(PN) that have achieved high results in CoA analysis.
- This Polymers heals the skin from dermal layer, prevents aging, and revitalizes elasticity.

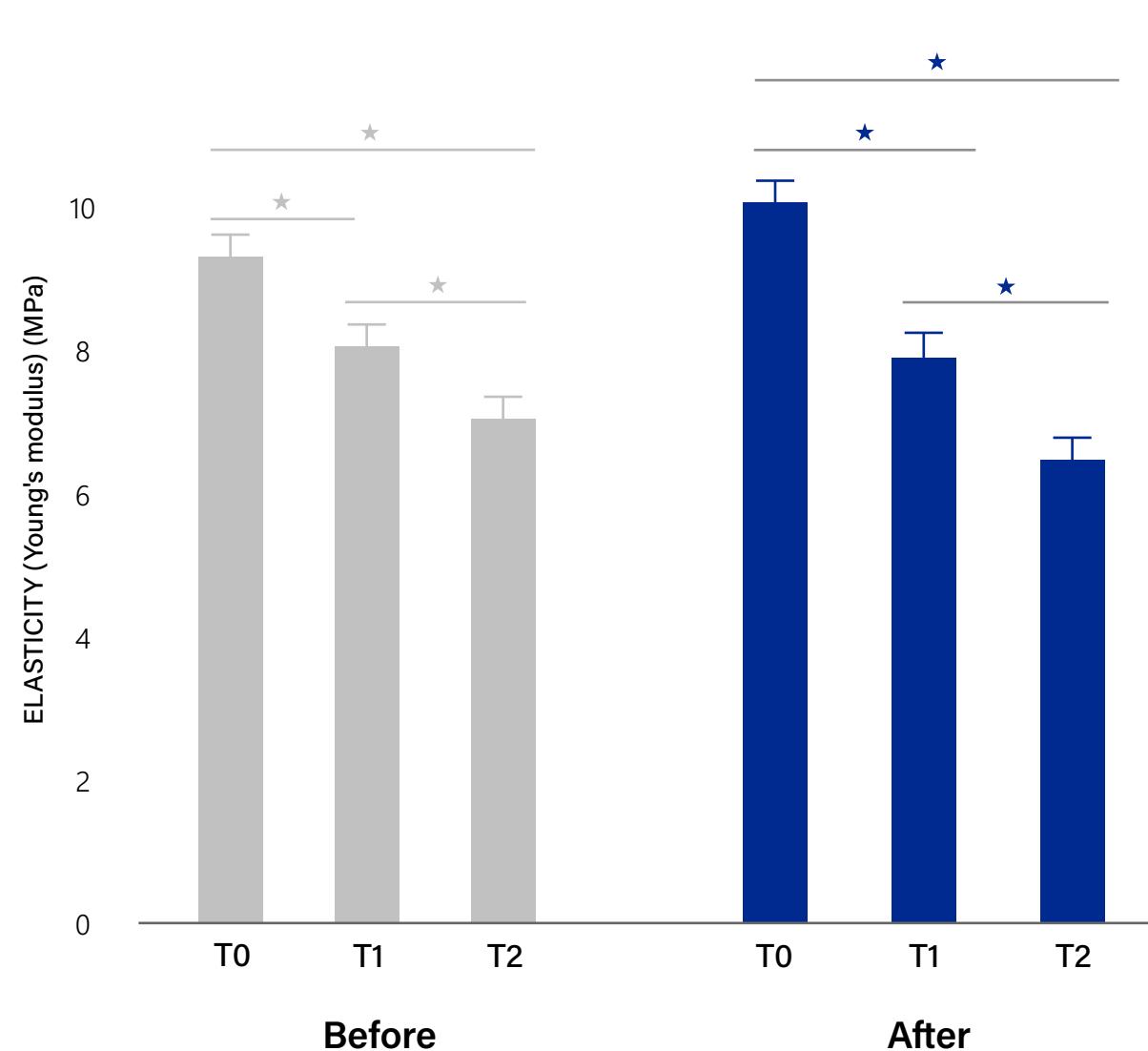
CLINICAL STUDIES

HYDRATION

PURIHILO PN is intended to provide **DEEP SKIN HYDRATION**, will brings you a **REJUVENATED NATURAL GLOW** and **REVIIALIZED RADIANCE**.



Facial skin hydration mean ± SEM values (*P < .01).

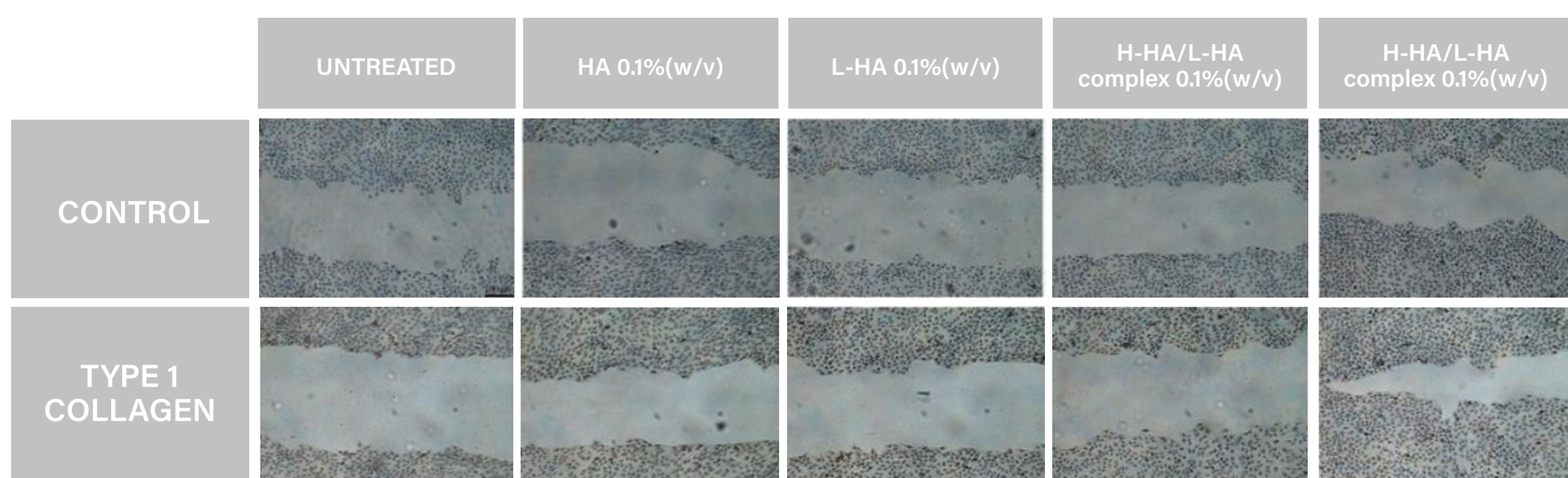


Facial skin elasticity (Young's modulus) mean ± SEM values (*P < .01).

Ref. Carmen Laurino, MSc., Beniamino Palmieri, MD., & Alessandro Coacci, MD.(2015). Efficacy, Safety, and Tolerance of a New injection Technique for High- and Low-Molecular-Weight HyaluronicAcid Hybrid Complexes

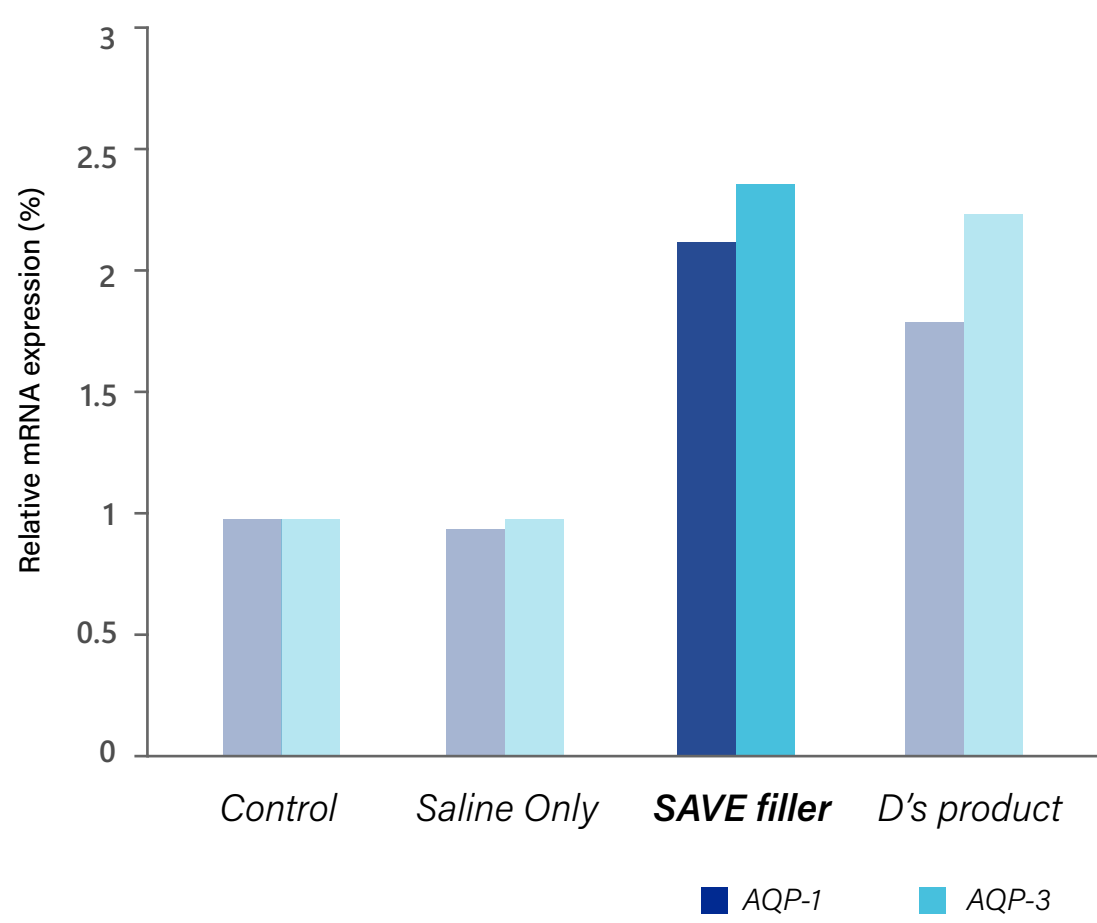
COLLAGEN SYNTHESIS

PURIHILO PN **STIMULATES THE FORMATION OF COLLAGEN**, which in turn improves fine lines and wrinkles, producing firmer skin.



Ref. D'Agostino et ai. BMC Cell Biology (2015) 16:19

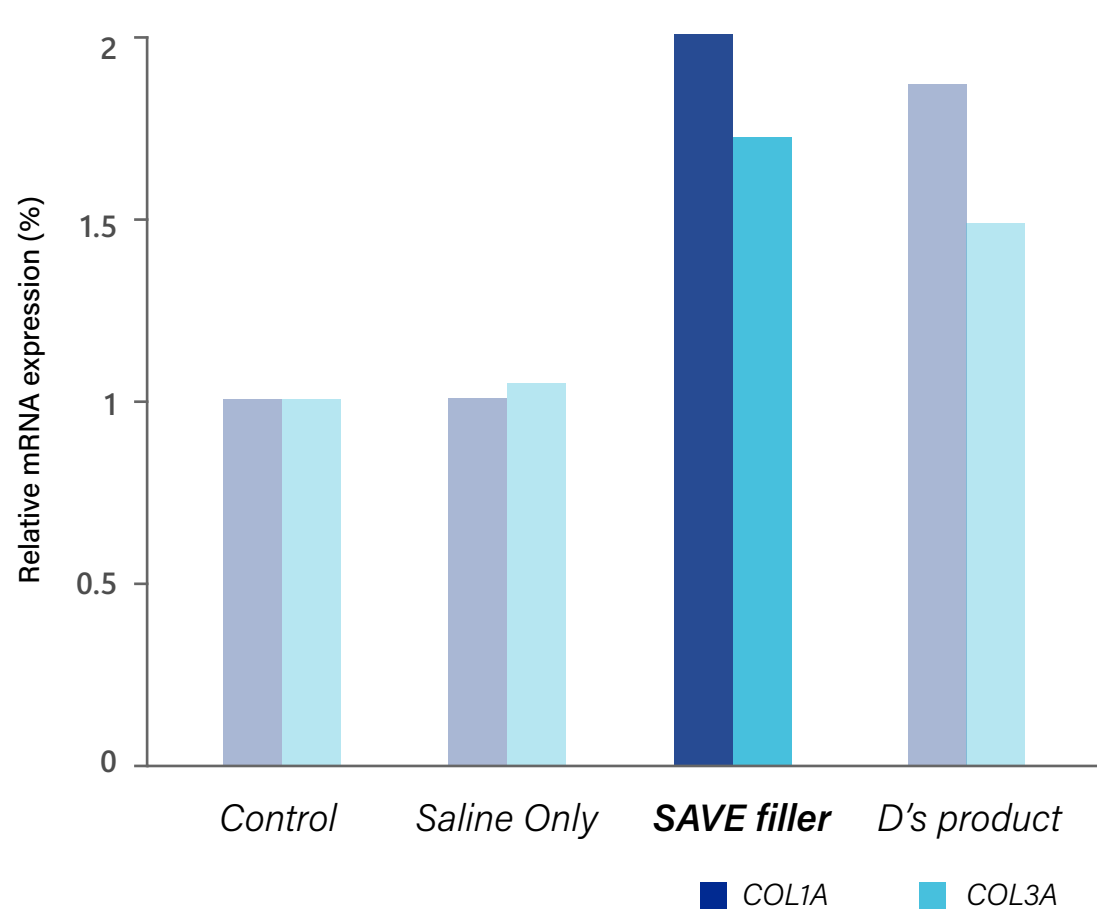
MOISTURIZING EFFECT



Each product was treated on the human skin dermal cells, and the genes expression level of the skin moisturizing factors were compared.

**AQP-1,3 (Aquaporin-1,3): Water transport channel gene

COLLAGEN SYNTHESIS EFFECT

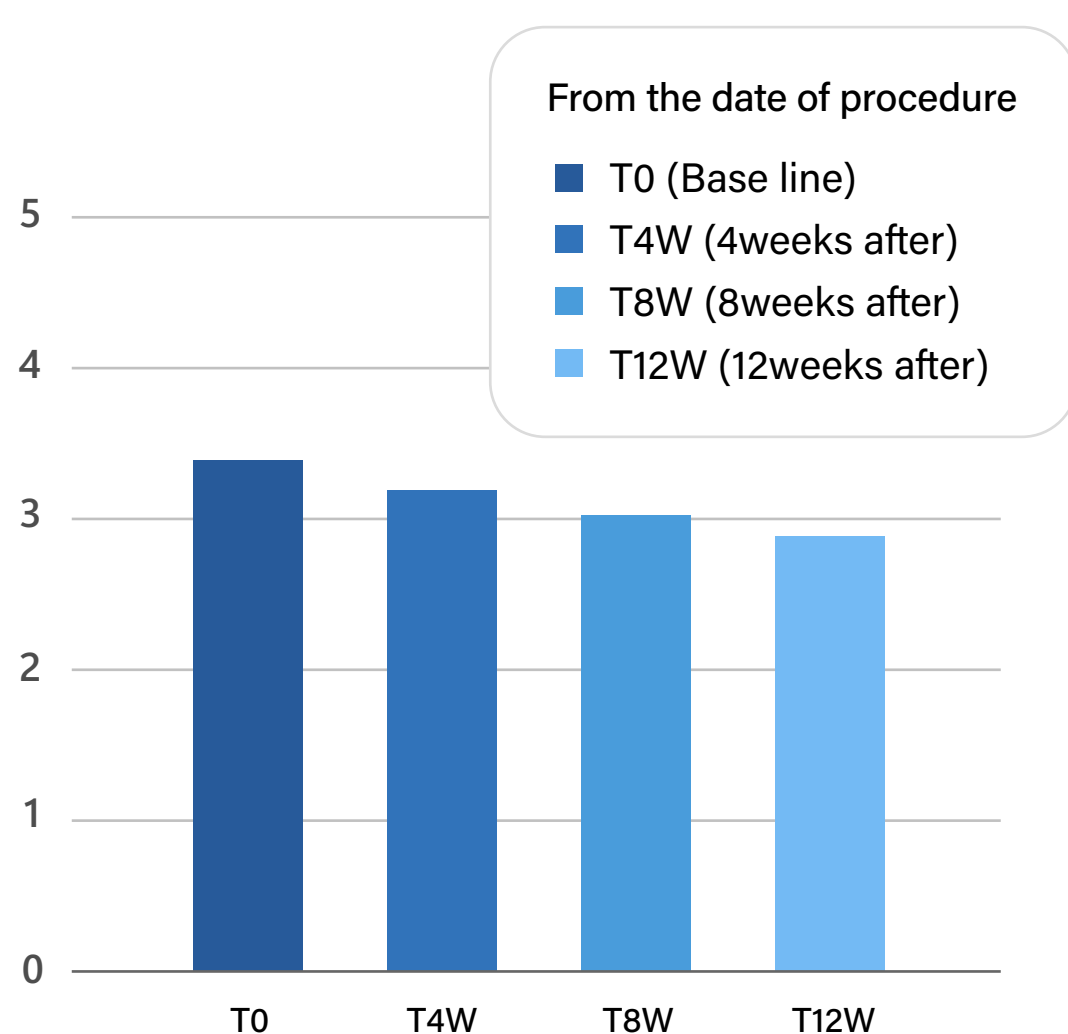


Each product was treated on the human skin dermal cells, and the genes expression level of the collagen synthesis factors were compared.

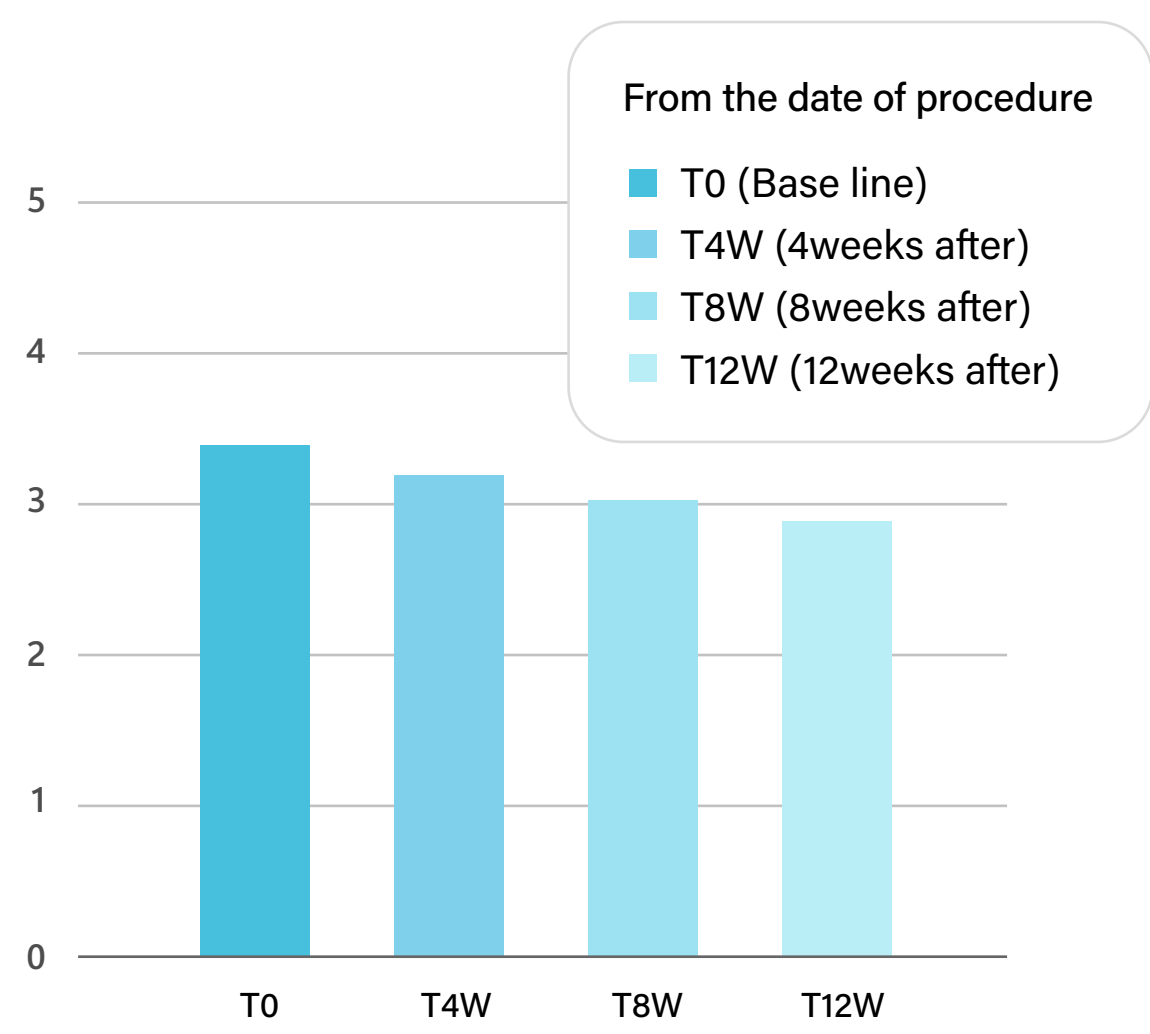
**DDL-1A,3A (Collagen type 1A, 3A): Collagen synthesis gene

TISSUE REMODELING

PURIHILO PN is intended to **REMODELING** of the extracellular matrix, it will help you achieve a naturally youthful appearance as **WRINKLES AND SAGGING SKIN REDUCTION**.



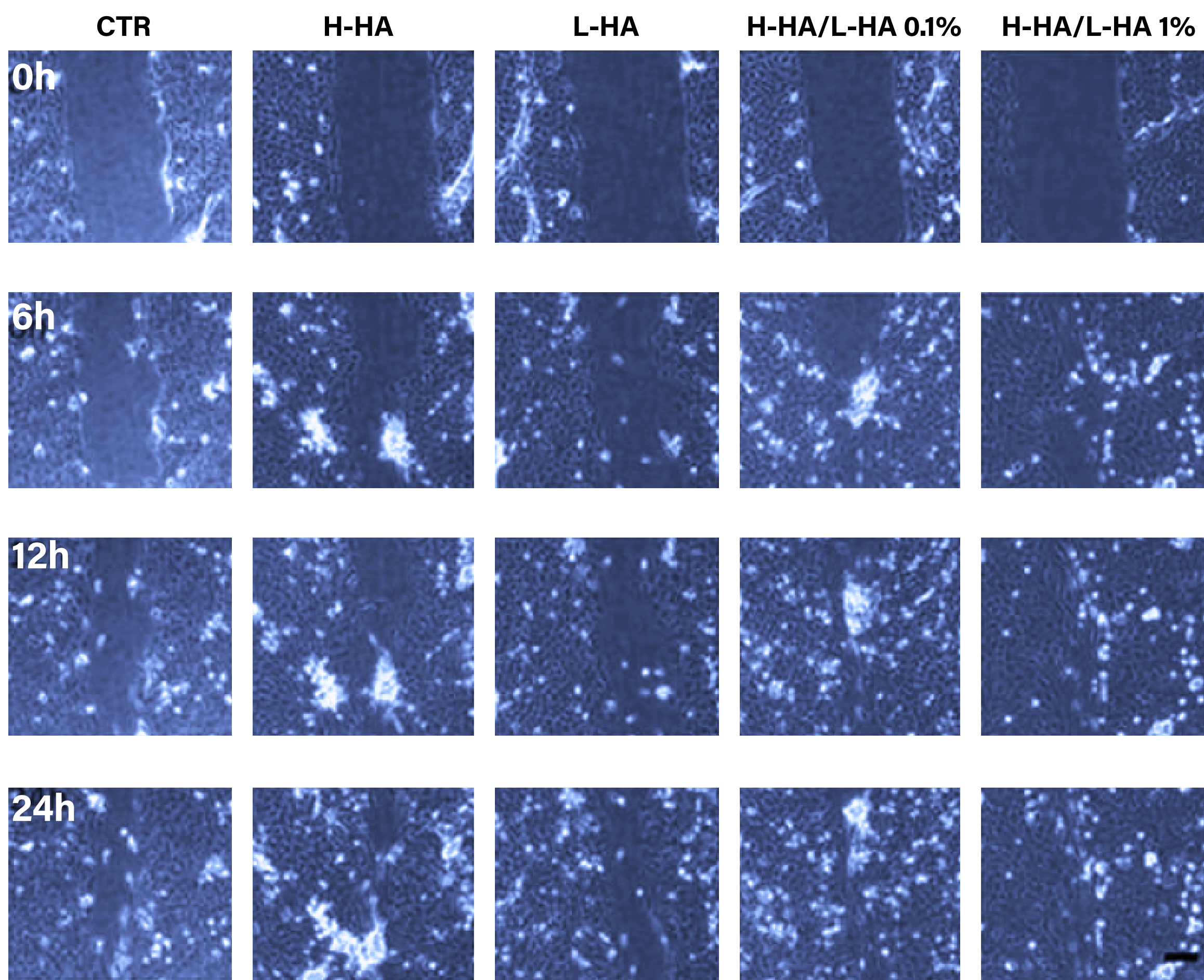
Reduction in the WSRS "wrinkle severity" throughout the study. Note: *P<0.05vsT0. Abbreviation: WSRS, wrinkle severity rating scale.



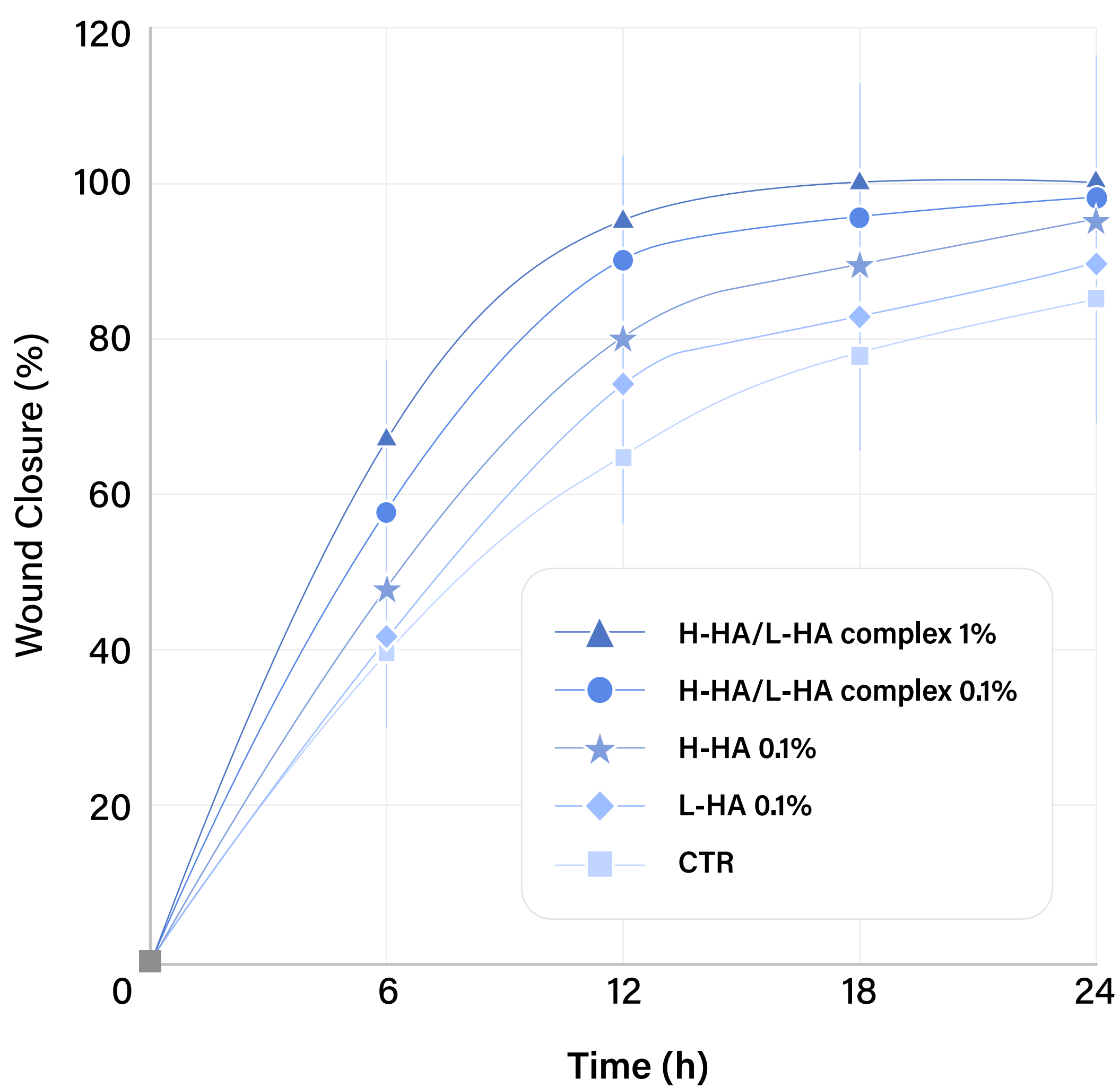
Reduction in the WSRS "wrinkle severity" throughout the study. Note: *P<0.05vsT0. Abbreviation: FVLS, facial volume loss scale.

TISSUE REPAIR

PURIHILO PN supports in the dermal **TISSUE REPAIR** process, in case of acne or scar.



■ Representative micrographs pictures of HaCaT-HDF scratch assays immediately after the scratches, and in time course of the experiments.



■ Repair area percentage for the control and in presence of following stimuli.

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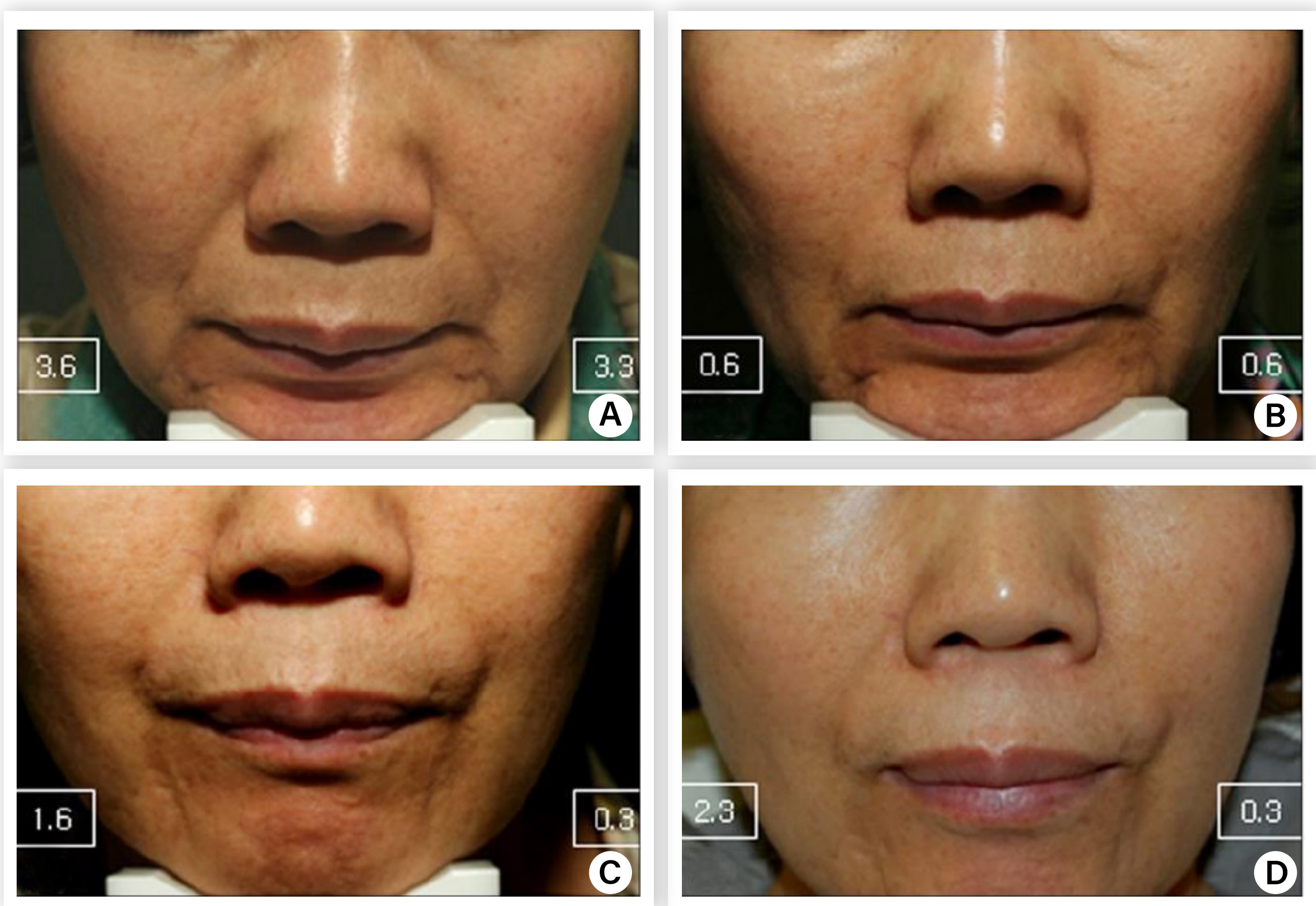
PURIHILO PN



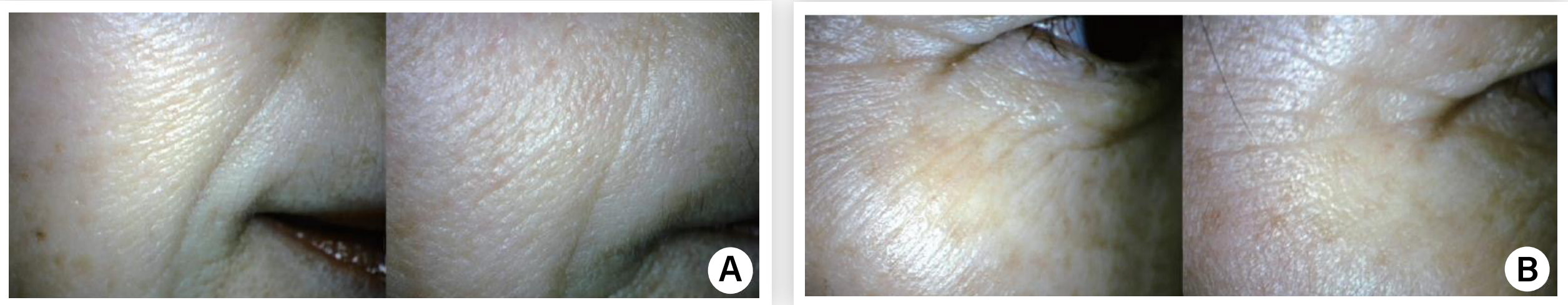
BEFORE & AFTER



- 2 Sessions with a one month interval
- **(A)** Before treatment. The skin of patient looked dry and many wrinkles were seen especially crow's feet, nasolabial fold and vertical wrinkle on upper lip.
- **(B)** The skin became healthier and tightened even with some whitening effect by skin revitalization.



- Subject (61 years/female) whit dermal injection of HA filler in right nasolabial **(A)** Baseline, **(B)** 4 weeks, **(C)** 12 weeks, and **(D)** 24 weeks after treatment.



- **(A)** Before treatment and after 13 days. The amount of each shots were 0.001 cc, 1micro-littter. I did 1000 shots of just one session ofr face with 1cc.
- **(B)** The crow's feet and tear trough were improved by dermal injection with mesogun.



- **(C)** The nasolabial fold was improved also just by one session of schematic dermal injection using mesogun.

Arch Aes Plast Surg 2014;20



- Correction of Deep Nasolabial Folds With HA Filler **(A)**, Preoperative view. **(B)**, One year after the infection. **(C)**, Three years after the injection.

JAMA Fac Plast Surg 2019;(21)

HOW TO USE

According to

BAP TECHNIQUES Bio Aesthetic Points

is the technique for injecting to specific points anatomically receptive areas with an absence of large vessels and nerve branches and potential injury to vital structures, minimizing the risks while maximizing the diffusion of the product.

This method

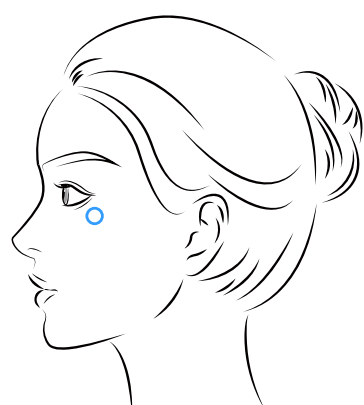
- Helps restore sagging skin, wrinkles, signs of aging.
- Maximizes effectiveness with less active ingredient, helping to distribute the injected substance throughout the widest parts.
- Fewer injection points, fewer side effects for customers.
- Reduces recovery time and minimizes the area of bruising.

Thanks to the PURIHILO's unique rheological characteristics, **tissue remodeling can be obtained in 2 sessions (1 month interval)** using all aesthetic injection techniques in the superficial subcutaneous layer.

MALAR & SUB-MALAR areas

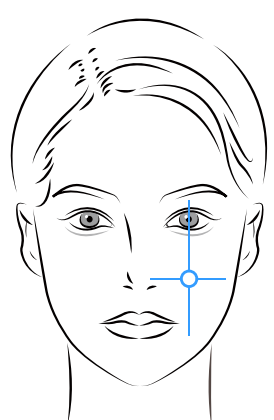
Remodeling

- Identify the 5 BAP injection sites on each side of the face
- Inject 0.2 mL per bolus at the superficial subcutaneous layer



Zygomatic protuberance

Make sure you are at least 2 cm away from the external side of the eye.



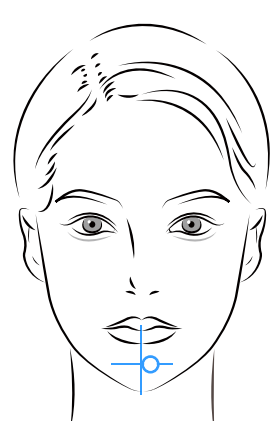
Nasal Base

- Draw a joining line between the nose wing and the tragus
- Draw a perpendicular line starting from the pupil midline
- Identify the injection point at the intersection point of the two lines



Tragus

Make sure you are 1 cm in front of the lower margin of the tragus.



Chin

- Draw the midline of the chin
- Draw a perpendicular line one third from the top of the vertical line
- From the point of intersection move 1.5cm towards the oral commissures



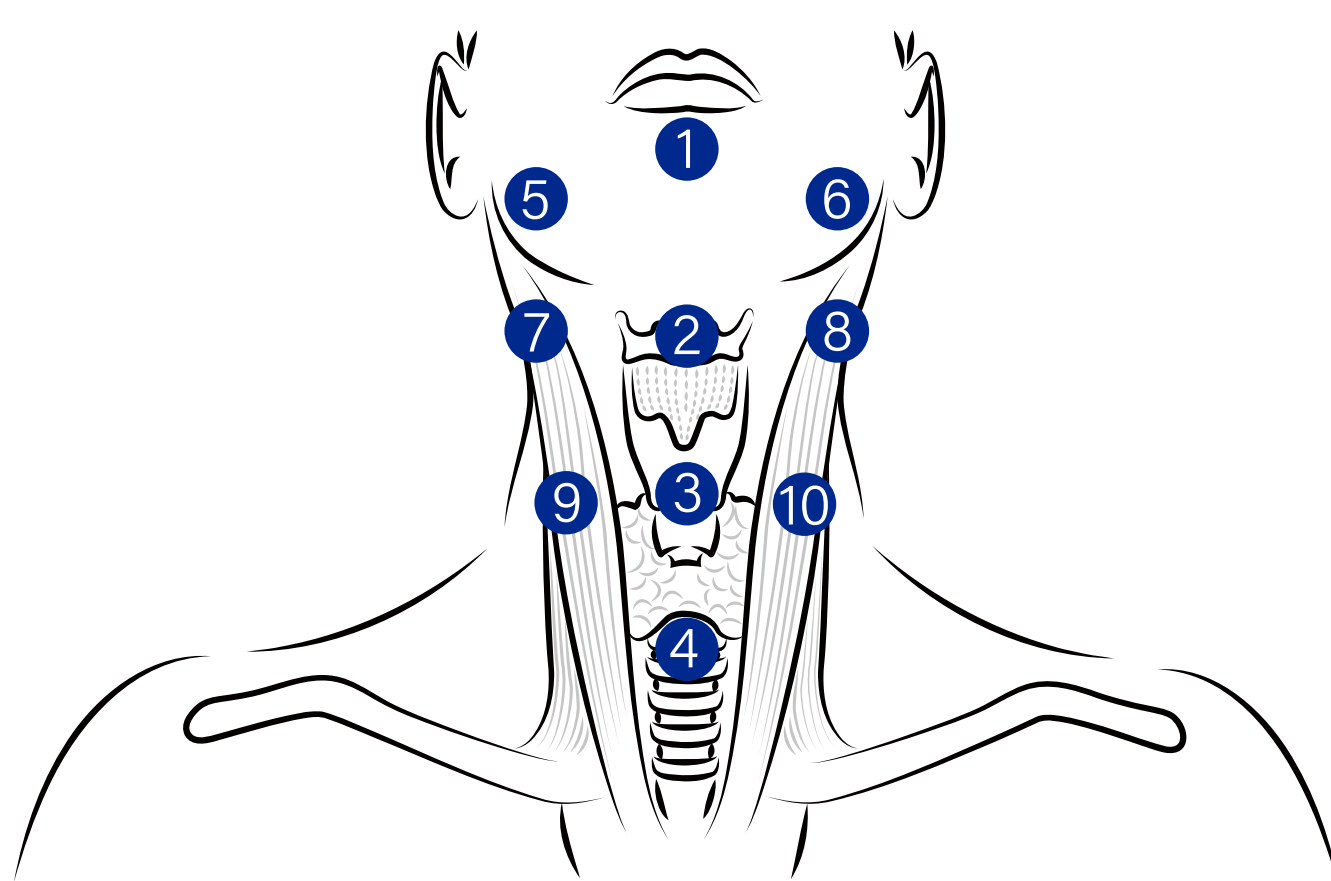
Mandibular angle

1 cm above the mandibular angle.

NECK areas

Remodeling

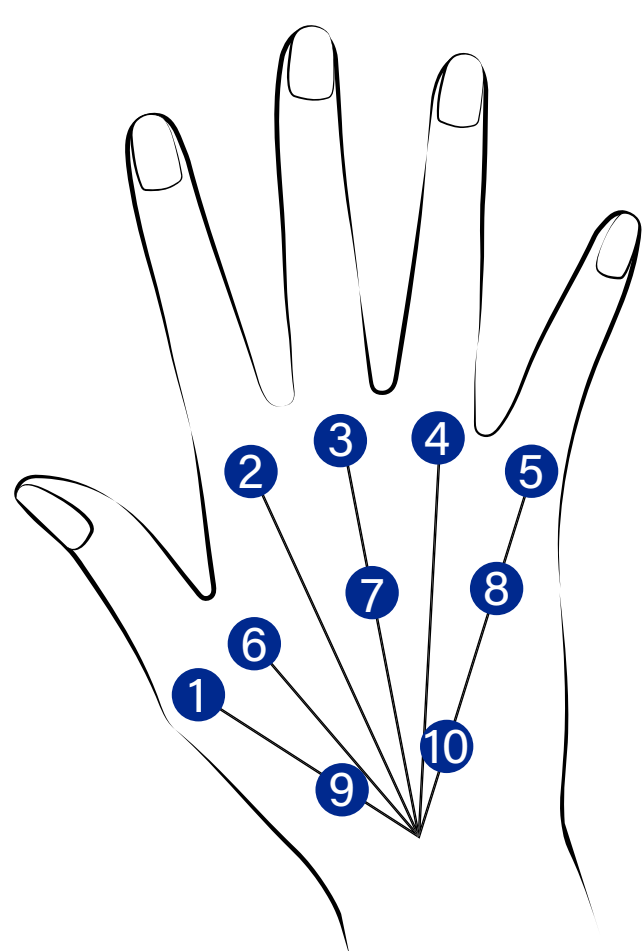
- Identify the 10 BAP injection sites on the neck
- Pinch the skin at the injection point
- Inject 0.2 mL per bolus transversely across the skin at the superficial subcutaneous layer



- 1 Midline : midway between the chin edge and hyoid bone
- 2 Midway between the Adam's apple and the thyroid cartilage
- 3 Midway between the hyoid cartilage and the manubrium
- 4 Manubrium apex
- 5~6 Under the mandibular angle at 0.5 cm from the medial edge of the SCM
- 7~8 On the horizontal axis of point 2 at 0.5 cm from the medial edge of the SCM
- 9~10 On the horizontal axis of point 3 at 0.5 cm from the medial edge of the SCM

HANDS areas

Remodeling



- Identify the 10 BAP injection sites on the hand
- Inject 0.1cc per point at distance of 1.5cm from the middle of the middle finger
- 3mm Needle depth
- Inject avoiding blood vessel locations

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2.5 mL pre-filled syringe

Composition

High molecule HA	40 mg
Low molecule HA	40 mg
Sodium Polynucleotide HA	25 mg
Phosphate buffered saline	q . s



WEDERM



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