

IMPERFECTION TO I'MPERFECTION

JuveLook LENISNA



Instagram



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JuveLook LENISNA

/ THE ADVANCED HYBRID BIO-STIMULATOR /

POLY-D, L-LACTIC ACID + HYALURONIC ACID

CE 2764  
KFDA Approved

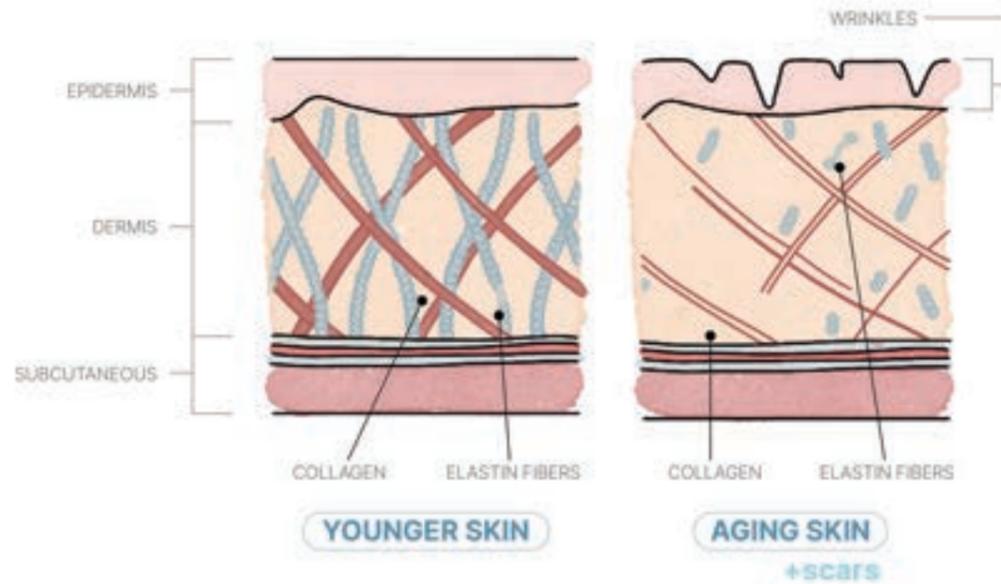


**UNLOCK THE BEAUTY INSIDE YOU**  
AND LET IT SHINE AND GLOW

**#HybridBiostimulator**  
**#PDLLA+HA**

# Collagen, The primary building block of our skin

Collagen is the protein building block giving us plump and youthful look. However, its production starts to decline in the early 20s resulting in drier and thinner skin with decreased elasticity.



The degradation of collagen and elastin fibers weakens the surface tension, and this natural process eventually impairs skin structure resulting in the signs of aging;

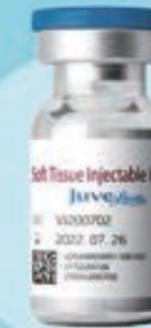
Loss of skin firmness , skin dryness, sudden redness, fine lines, wrinkles.

JUVELOOK and LENISNA resolve the underlying cause of aging by stimulating

# skin's own ability of collagen regeneration in the safest way

...and present the natural volume enhancing your own beauty.

JuveLook



Skin Rejuvenation

- Skin brightening
- Skin pore tightening
- Skin texture improvement
- Skin elasticity improvement
- Atrophic scars treatment
- Stretch marks treatment
- Fine wrinkles treatment

LENISNA

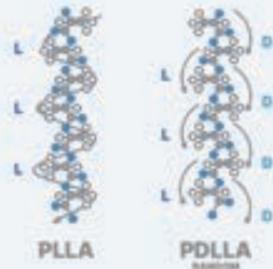


Volume Augmentation

- Facial contouring
- Body contouring
- Facial augmentation
- Body augmentation
- Deep wrinkles treatment
- Deep scars treatment

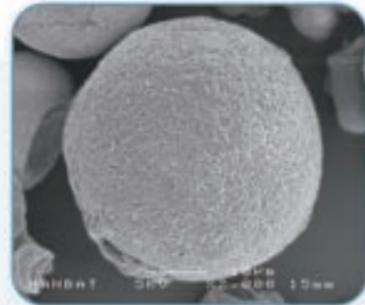
# PDLLA particles,

the main components of JUVELOOK and LENISNA, are the collagen stimulators with excellent efficacy and tissue compatibility.



## MOLECULAR STRUCTURE

Poly-D,L-Lactic Acid (PDLLA) is one of the isomers of Poly Lactic Acid (PLA) in which D-form and L-form of lactic acids are bonded in random order maximizing the contact surface area involved in collagen production.



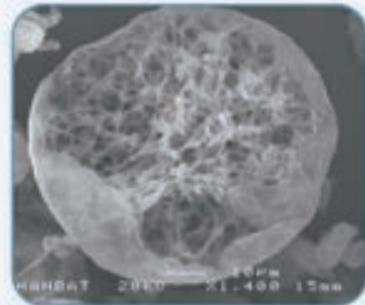
## PARTICLE STRUCTURE

### A OUTER STRUCTURE

Spherical and foamy structure

#### BENEFIT

Minimizes the damage on surrounding tissue



### B INNER STRUCTURE

Porous and reticular structure  
(80% of particle is composed of air)

#### BENEFIT

- The reticular structure increases the durability of the particle, and functions as a scaffold for cell adhesion which enhances collagen production.
- Slow decomposition from the inside prevents drastic acidity change around the particles and allows even collagen production.

Biodegradable PDLLA particles safely decompose into CO<sub>2</sub> and water while restoring the lost volume with new collagen.

6 months after the treatment, the number of PDLLA decreased.



Polarizing microscopy

Source - SAS dermatologic clinic research



PDLLA stimulates the production of collagen & elastin fibers through

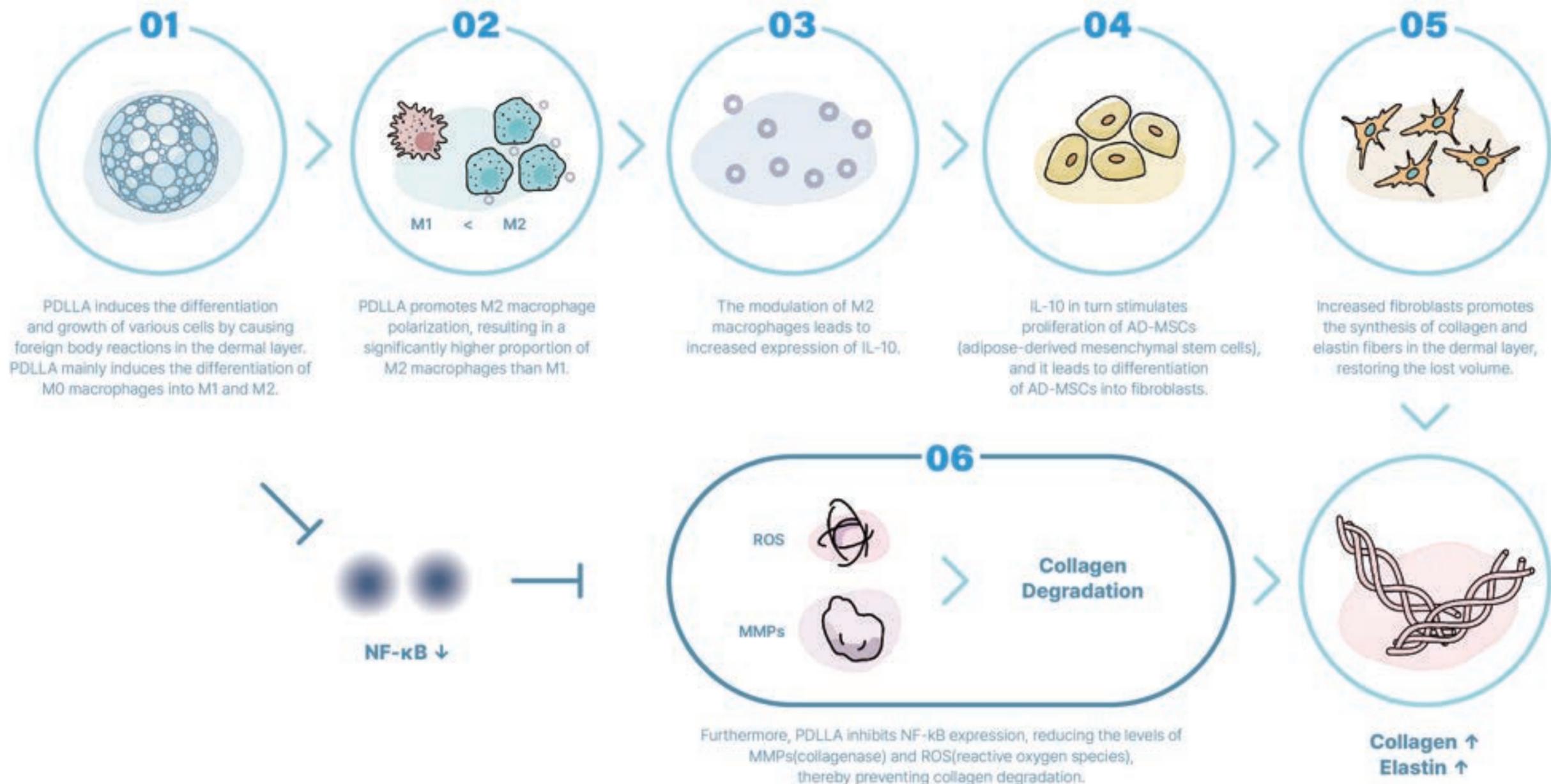
# Proliferation of ASC

\*ASC: Adipose-derived Stem Cell

PDLLA prevents degradation of collagen by reducing level of MMPs, but also by inducing proliferation of ASCs which eventually leads to synthesis of collagen and elastin fibers in the extracellular matrix.



WATCH VIDEO



PDLLA is safe and under control during and after treatment thanks to its

# Low Glass Transition Temperature

PDLLA has comparatively lower glass transition temperature than other polymer-based particles. After reconstitution, its glass transition temperature drops from 50°C to 39°C and then can be easily softened by heating and applying pressure.

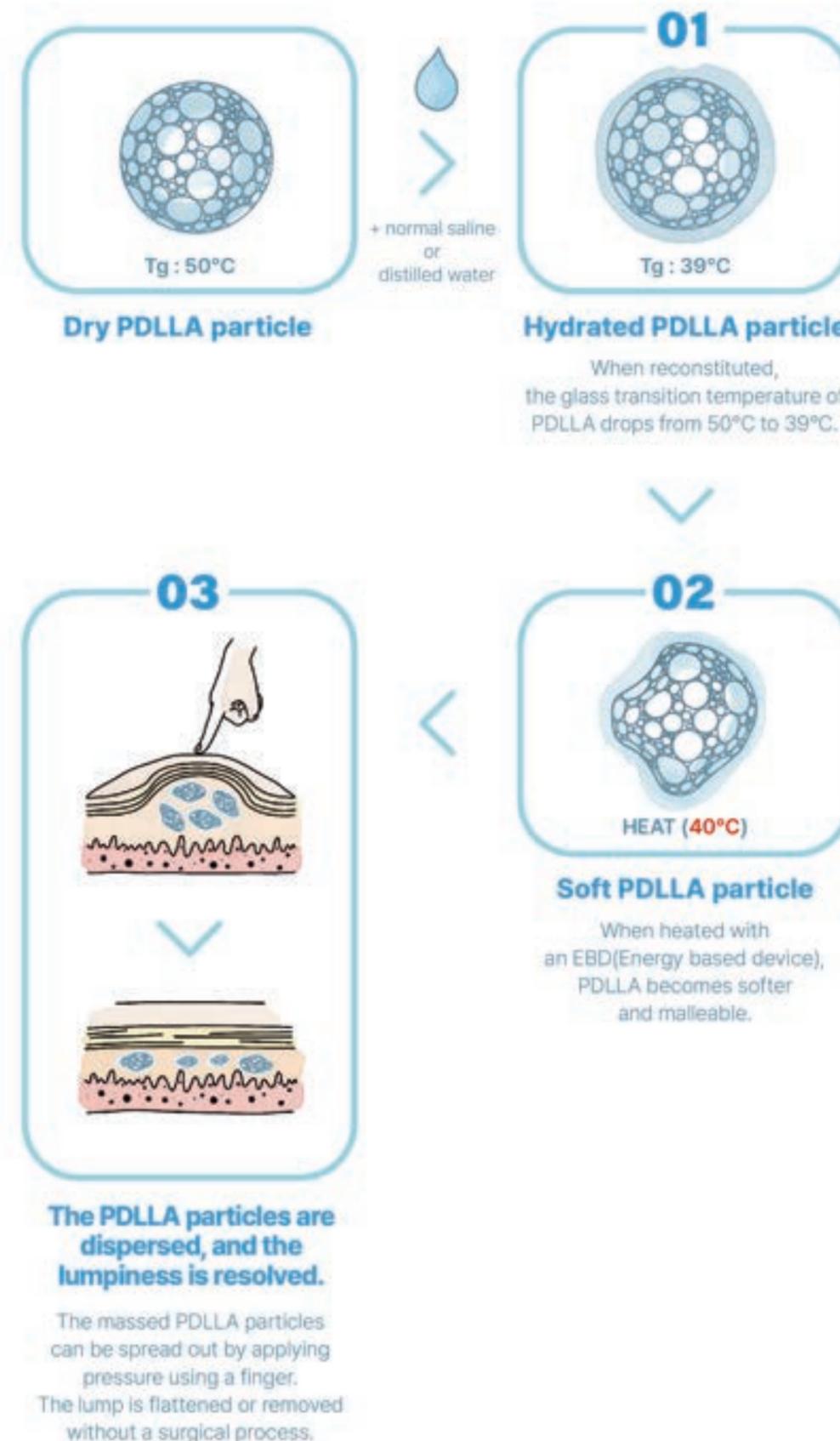
Therefore, in case of any nodule, physicians can control this minor side effect by injecting additional normal saline and heating it with energy-based device such RF laser.

M <sub>v</sub>	T <sub>g</sub> (°C)	M <sub>v</sub>	T <sub>g</sub> (°C)
<b>Dry PDLA tablets</b>		<b>Hydrated PDLA tablets</b>	
21.7x10 <sup>3</sup>	<b>45.8</b>	21.7x10 <sup>3</sup>	<b>34.4</b>
41.8x10 <sup>3</sup>	<b>47.8</b>	41.8x10 <sup>3</sup>	<b>37.0</b>
69.0x10 <sup>3</sup>	<b>49.0</b>	69.0x10 <sup>3</sup>	<b>37.8</b>
136.5x10 <sup>3</sup>	<b>49.5</b>	136.5x10 <sup>3</sup>	<b>37.7</b>
241.5x10 <sup>3</sup>	<b>50.2</b>	241.5x10 <sup>3</sup>	<b>39.0</b>

M<sub>v</sub>, viscosity average molecular weight; T<sub>g</sub>, glass transition temperature of dry polymer

### Glass transition temperature (T<sub>g</sub>) :

Glass transition temperature is described as the temperature at which 30–50 carbon chains start to move. At the glass transition temperature, the amorphous regions experience a transition from a rigid state to a more flexible state, making the border of the solid state to a rubbery state.





JUVELOOK and LENISNA  
use a Biocompatible  
Gel Carrier,

## HYALURONIC ACID

The combination of **PDLLA** with **non-cross linked hyaluronic acid** makes **JUVELOOK** and **LENISNA** unique and special.

Beside the restoration of new collagen, you will get additional benefits of hyaluronic acid which is generally safe for all skin types and promotes skin health.

### Sodium Hyaluronate

non-crosslinked HA

Natural polysaccharides  
found in human skin tissue

+

### PDLLA

Poly-D,L-Lactic Acid

FDA approved polymer  
for human use

## Benefits of Hyaluronic Acid

### Immediate Filling Effect & Hydration

JUVELOOK and LENISNA use biocompatible and unique gel carrier; Sodium hyaluronate, the salt form of hyaluronic acid. The non-cross linked hyaluronic acid gives **immediate filling effect** after the procedure and **intense hydration effect** beyond the skin surface.

### Prevention of Swelling

As hyaluronic acid is widely distributed throughout the human body, "this biocompatible gel carrier prevents over immune response or allergic reaction". Other chemical compound-based carrier such as CMC (Carboxymethyl Cellulose) can result in over swelling or inflammation after procedures.

### Prevention of Needle Clogging

Also, hyaluronic acid facilitates reconstitution and prevents needle blockage.

# THE PERFECT SOLUTION TO REVIVE THE GLOWING SKIN



#SkinBooster  
#Juvelook

# JUVELOOK

Poly-D,L-Lactic Acid  
+ Hyaluronic Acid



<b>Active ingredient</b>	42.5 mg Poly-D,L-Lactic Acid(PDLLA) 7.5 mg Hyaluronic Acid
<b>Package</b>	1 vial x 50 mg
<b>Particle size</b>	20-40 um
<b>Injection layer</b>	Dermis
<b>Durability of effect</b>	12 – 18 months
<b>Reconstitution</b>	6 cc distilled water
<b>Needle size</b>	30 – 31 G, 4mm
<b>Other delivery Method</b>	Multineedle inject Needle radio frequency Needle free injector Canual(25-27G, 40-50mm) for *tear trough

## Benefit

Smaller particles of PDLLA stimulates your skin tissue for skin quality improvement in the dermis layer.  
(JUVELOOK is the only PLA filler injected in dermis.)

- ✓ Delicate improvement of fine lines and atrophic(acne) scars
- ✓ Whole face injection including forehead, temple, and tear trough for skin texture and skin tone enhancement
- ✓ Skin firming and volumizing effect for thinner skin
- ✓ JUVELOOK can be used in a wide range of ages from 20s to 80s

## Reconstitution Guide

### STEP 01

- Add 6cc distilled water to 1 vial of Juvelook.  
(8cc sterile water/normal saline for stretch mark treatment.)

### STEP 02

- Leave the vial in room temperature until a homogenous solution is ready. (\*Reconstitution tips on page 29)

### STEP 03

- Add 1-2cc lidocaine before procedure. (Optional)

### STEP 04

- Apply proper amount of Juvelook solution to the treatment area.

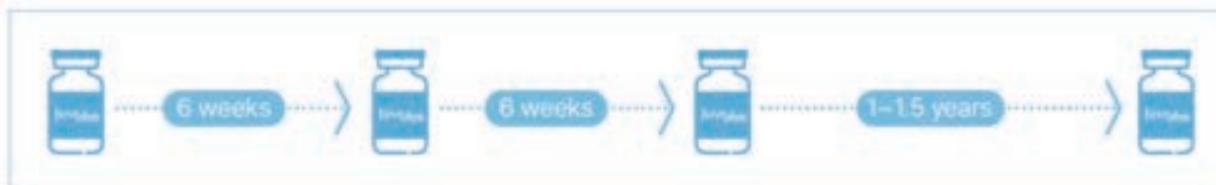
## Treatment Guide

### Suggested number of treatments and vials

- 1 vial per session for 3 sessions, with 6 weeks interval

### Retreatment

- after 6 months~1 year



# JuveLook

## Injection Points



Skin rejuvenation  
(Full face)

Tear trough

Fine lines

Atrophic acne scars

Neck wrinkles

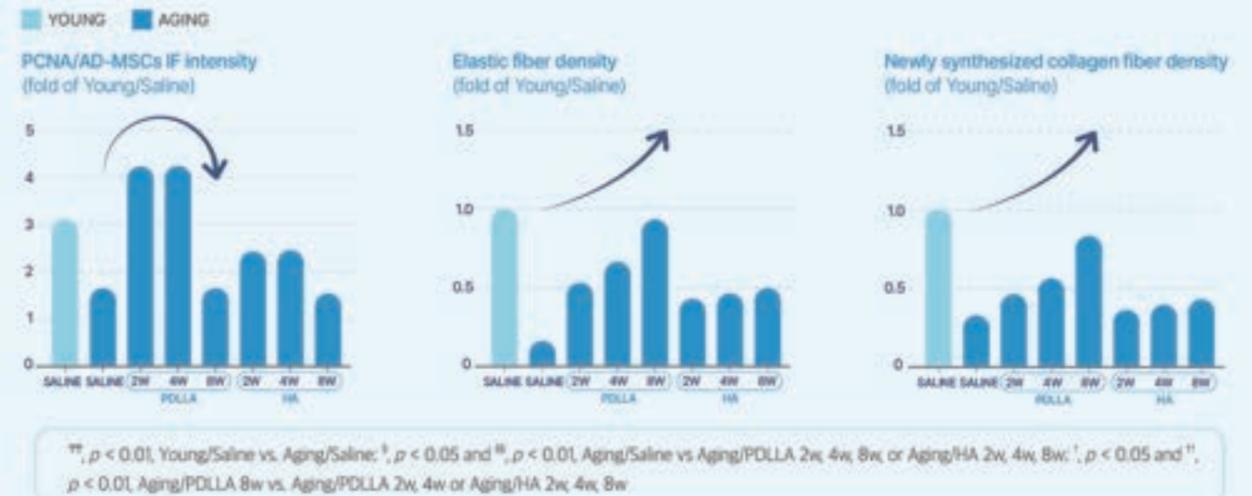
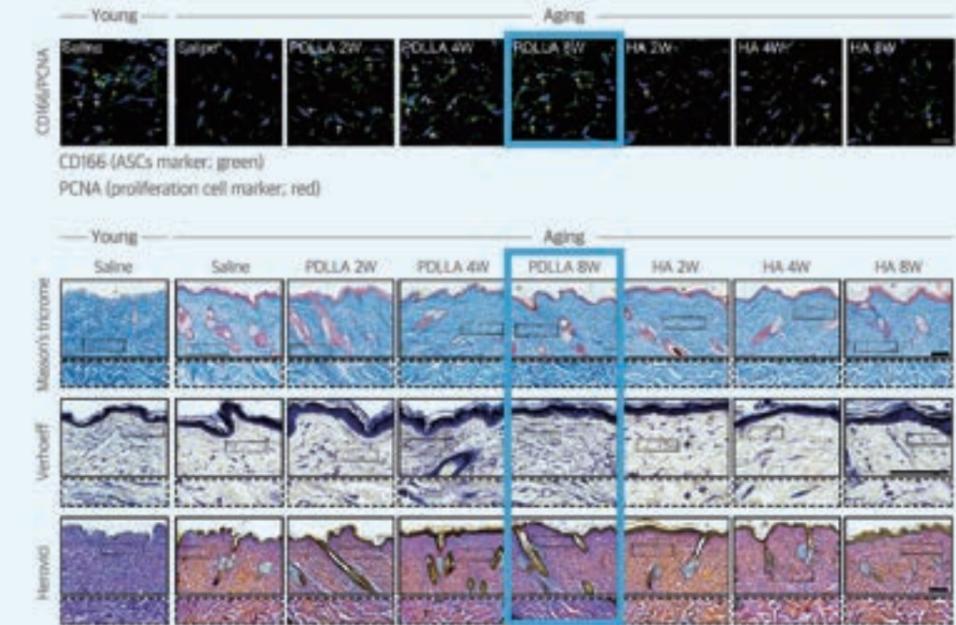


# After JUVELOOK treatment, the Proliferation of ASCs and Density of Collagen and Elastin Fibers have significantly increased.

After the PDLLA and HA treatment on aged mice skin, the density of adipose stem cells, collagen, and elastin fibers began to increase from the week 2, and the most significant increase was observed from 8 weeks after PDLLA and HA treatment.



## Upregulation effect of PDLLA on collagen and elastin fibers in aged skin



### Method

Collagen and elastin expression in skin tissue was evaluated by injecting PDLLA and HA into dermis layer of 5 different sites of 12-month-old or older experimental mice.

### Evaluation Period

Efficacy evaluation at 2, 4, and 8 weeks after the procedure



**#NaturalVolume #PLA+HA**

**REGAIN VOLUME  
AND SHAPE  
RESTORE YOUR  
BEAUTY**

# LENISNA

Poly-D,L-Lactic Acid  
+ Hyaluronic Acid



<b>Active ingredient</b>	170 mg Poly-D,L-Lactic Acid(PDLLA) 30 mg Hyaluronic Acid
<b>Package</b>	1 vial x 200 mg
<b>Particle size</b>	40 – 80 um
<b>Injection layer</b>	Subcutaneous / Lower layer of dermis
<b>Durability of effect</b>	18 – 24 months
<b>Reconstitution</b>	16 cc distilled water
<b>Injection method</b>	Cannula 22G~25G, 40 – 50mm

## Benefit

Spherical particles of LENISNA give even and natural volume by Stimulating self-adipocyte production in the subcutaneous layer.

- ✓ Deep skin folds and deep wrinkles enhancement
- ✓ Natural facial and body contouring
- ✓ Natural facial and body augmentation
- ✓ Can help with deep surgical scar treatment
- ✓ LENISNA can be used in a wide range of ages from 20s to 80s.

## Reconstitution Guide

### STEP 01

- Add 16cc distilled water for 1 vial of Lenisna, (dilute with 10-20cc for body contouring or body skin laxity)

### STEP 02

- Leave the vial in room temperature until a homogenous solution is ready. (\*Reconstitution tips on page 29)

### STEP 03

- Add 1-2cc lidocaine before procedure. (Optional)

### STEP 04

- Apply proper amount of Lenisna solution to the treatment area.

## Treatment Guide

### Suggested number of treatments and vials

- 1 vial per session for 3 sessions, with 8 weeks interval

### Retreatment

- after 1~2 years



# LENISNA Injection Area



Forehead

Temples

Nasolabial folds  
(Deep wrinkles)

Marionette line

Cheek area

Jaw line

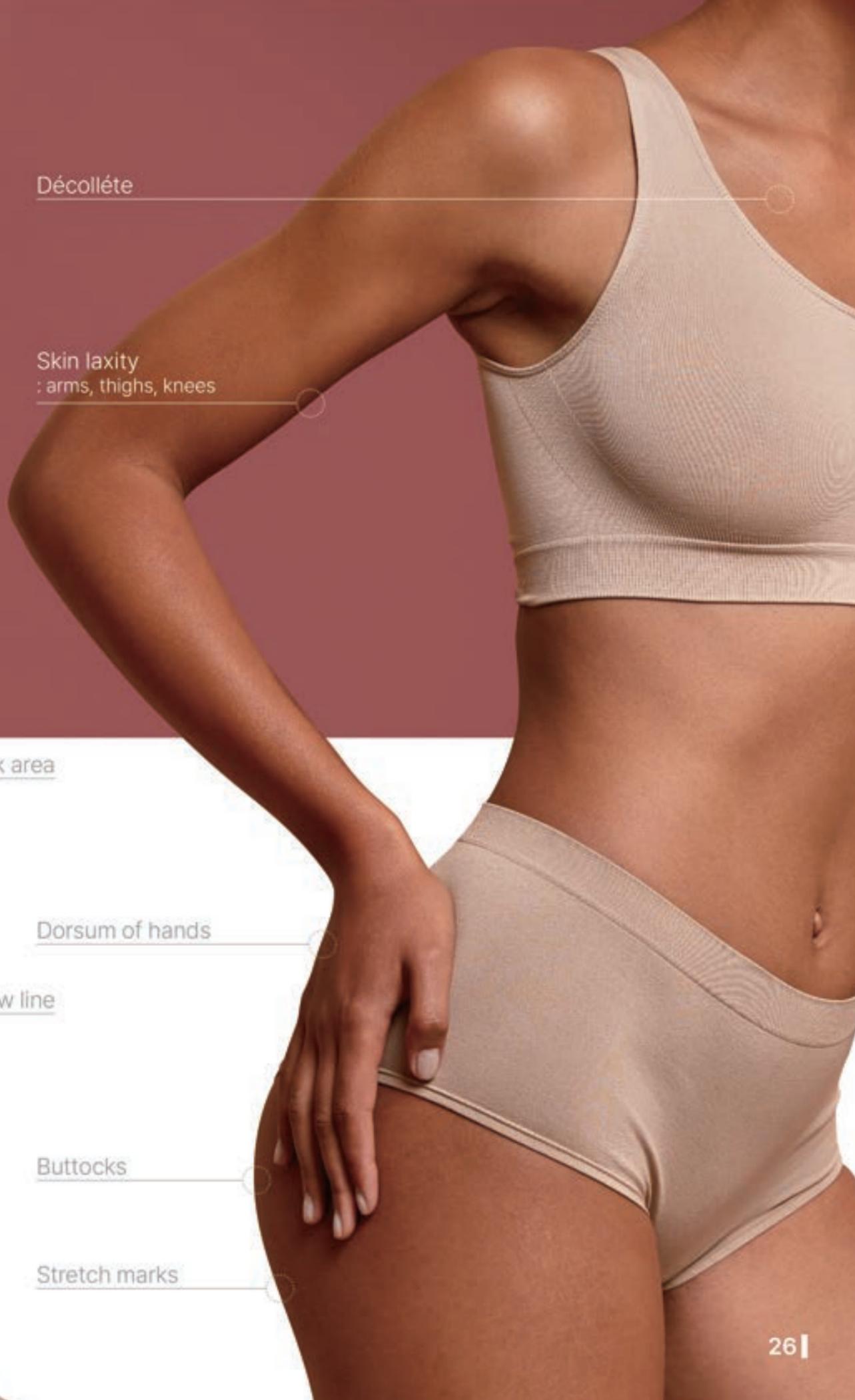
Décolléte

Skin laxity  
: arms, thighs, knees

Dorsum of hands

Buttocks

Stretch marks



After LENISNA treatment,  
WRSR scores improved  
and were maintained  
over a long period.

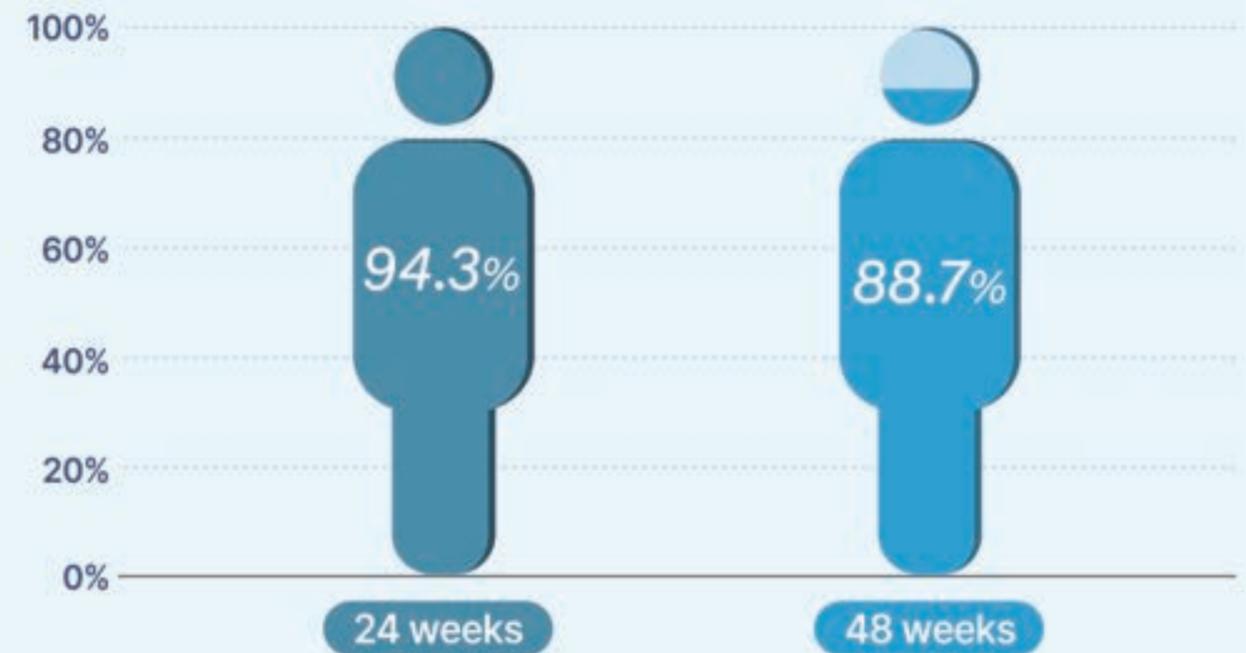
WRSR: Wrinkle Severity Rating Scale

According to the result of reviewing the effects of PDLLA+HA treatment on a total of 54 patients at week 24 and 48 following the treatment, the treatment success rate\* turned out to be 94.3% and 88.7%, respectively, which is very high.



The treatment success rate by the period after PDLLA+HA treatment

The rate of subjects whose WRSR(wrinkle severity rating scale) improved by 1 point or more at 24 and 48 weeks after the procedure compared to the baseline.



Long-term effect

The measured WRSR scores showed a significant reduction of more than one point at 8 weeks after treatment. Follow-up observation up to 48 weeks confirmed that the wrinkle improvement effect is maintained for a long time and can be used safely.

# Reconstitution Tips for JUVELOOK & LENISNA

Reconstitution can be performed (1) 'the day before' or (2) 'on the day of the procedure' depending on the situation.

## Method 1

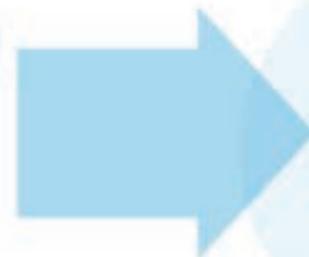


24HRS  
IN ROOM TEMP.



- 1 Add distilled water 24 hours before the procedure.
- 2 Mix for 10 minutes using a vortex mixer.

## Method 2



- 1 Add normal distilled water.
- 2 Mix for 30 minutes using a vortex mixer.

