



 LIMELUCE<sup>®</sup> *PDRN + HA*

# LIMELUCE

Regain youthful beauty and healthy  
flawless skin

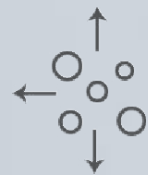
## NEW CONCEPT FOR SKIN CURE

# LIMELUCE

The Korean beauty industry has also developed the latest technology PDRN, which is also called DNA regeneration therapy locally. In recent years, it has become one of the most popular treatment methods in Korean skin clinics and plastic surgery.

This new technology that combines PDRN and hyaluronic acid not only rejuvenates the skin against age, reduces fine lines and increases collagen, but also makes the skin hydrated and smooth.

This new technology that combines traditional PDRN with HA, allows the skin to be improved in many ways.



SMOOTH SKIN



HYDRATION



IMPROVE  
SKIN TONE



ANTI-AGING  
AND FIRMING



ANTI-INFLAMMATORY  
AND ANTI-ALLERGY





# LIMELUCE

NEW CONCEPT FOR SKIN CURE

BRAND	LIMELUCE
NAME	LIMELUCE
SPECIFICATION	A BOX OF 2ML*2
INJECTION VOLUME	Inject one evenly into the dermis, and the volume is 0.05-0.1ml at a time. Please inject evenly into the skin
EFFECTS	moisturizing, regenerating, rejuvenating skin, anti-inflammatory, anti-aging, firming, restoring, youthful appearance, supple and soft skin

# PDRN<sup>∞</sup> +HA



**Moisturizing**

Solve dehydration problem



**Smooth and shiny**

Improve dullness and  
reduce melanin



**Repair**

Repair damaged skin



**Firming elastic**

Lifting and tightening

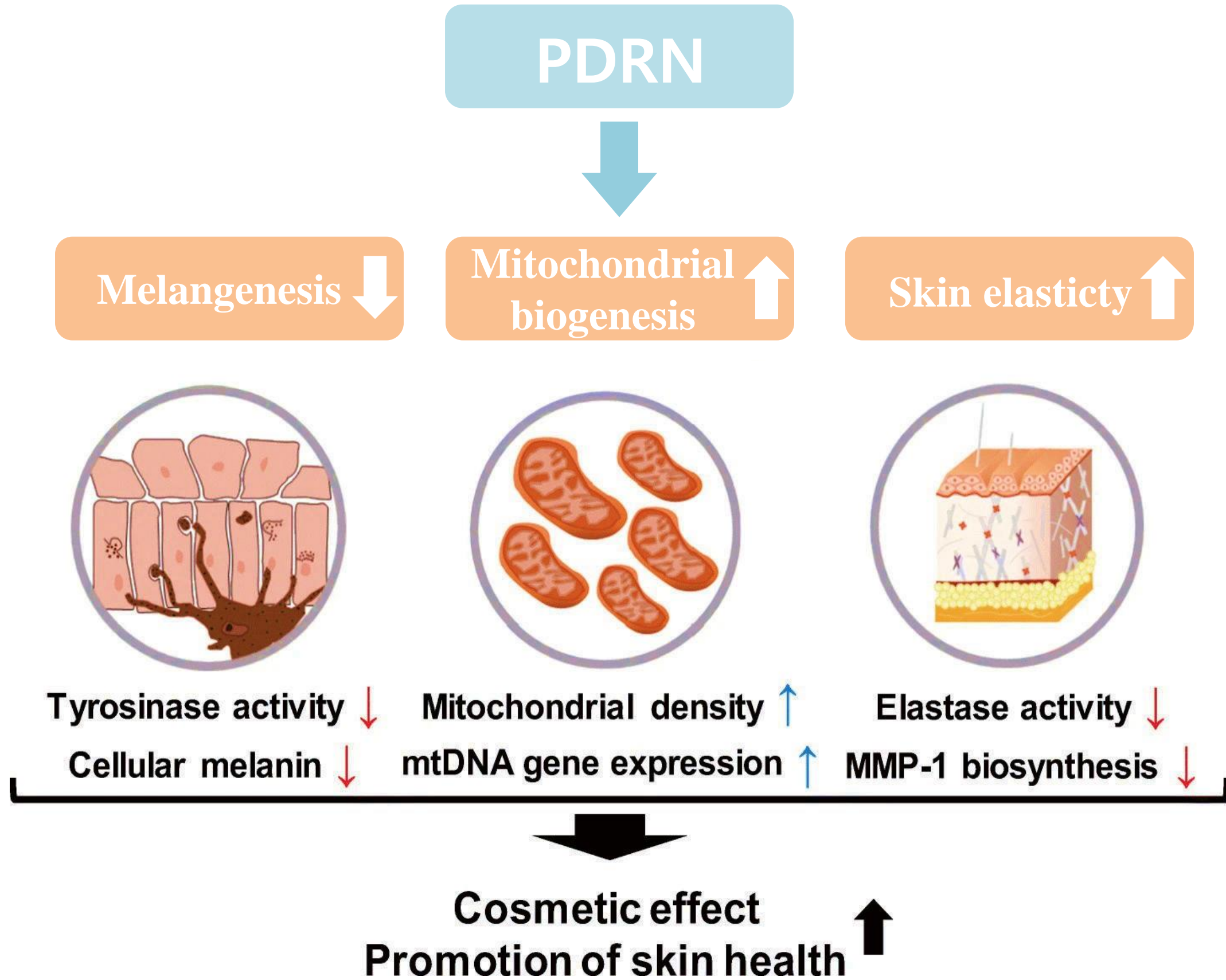
Human DNA = Salmon DNA  
98% similarity



## WHAT IS PDRN?

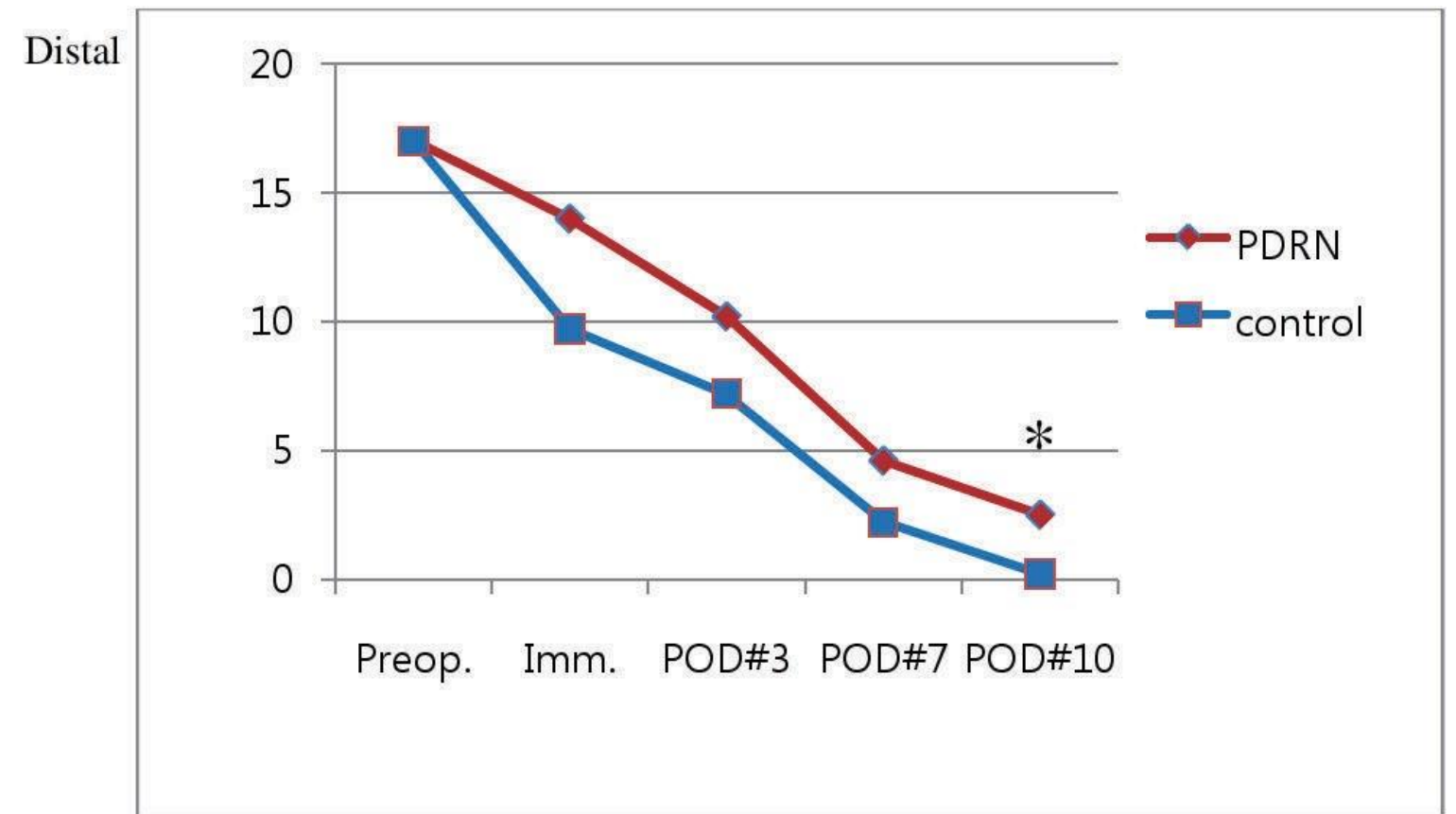
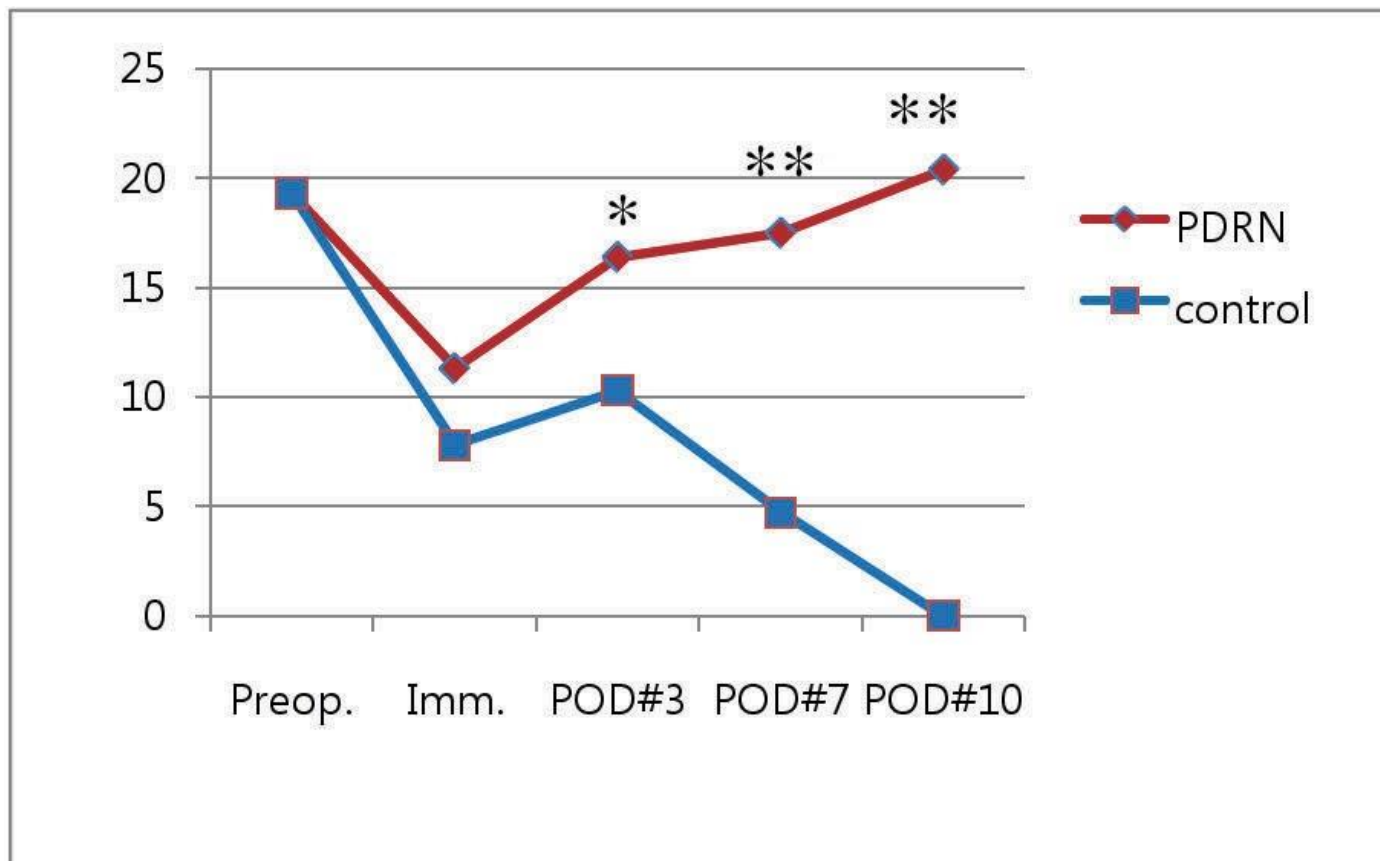
PDRN (poly deoxy ribo nucleotide) is a complex of low-molecular-weight DNA extracted from specific germ cells of salmon (abbreviated as salmon). It is a new type of substance. Its DNA fragments are currently known to be the most similar with human which DNA.

PDRN can promote the regeneration of human tissues, wake up tired old cells, and restore elasticity to the skin. and furthermore it can effectively relieve inflammation, and quickly restore the function of the Injured skin.



PDRN has a variety of biological activities in melanocytes and skin fibroblasts, and inhibits melanogenesis of melanocytes through a number of mechanisms. PDRN also inhibits elastase activity and the expression of MMP-1 which cause skin aging, whereas increase mRNA which can delay the skin aging process. These multiple effects of PDRN work together to improve skin health, delay aging, and inhibit melanin.

Nutritional effect of polydeoxyribonucleotide (PDRN) with participants in the experiment.



The blood flow measurement result at the distal end of the flap. In the middle part of the flap, the blood flow in the PDRN group increased significantly on the 3rd, 7th, and 10th day after surgery.

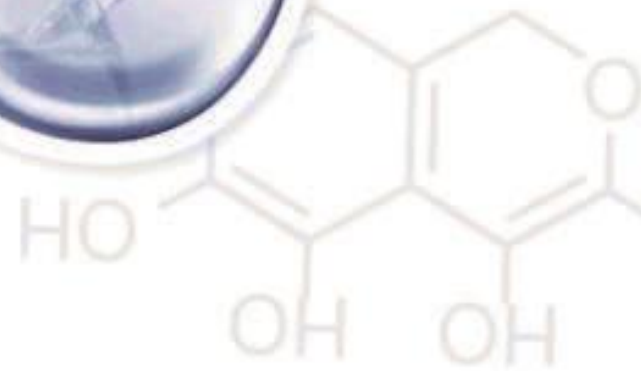
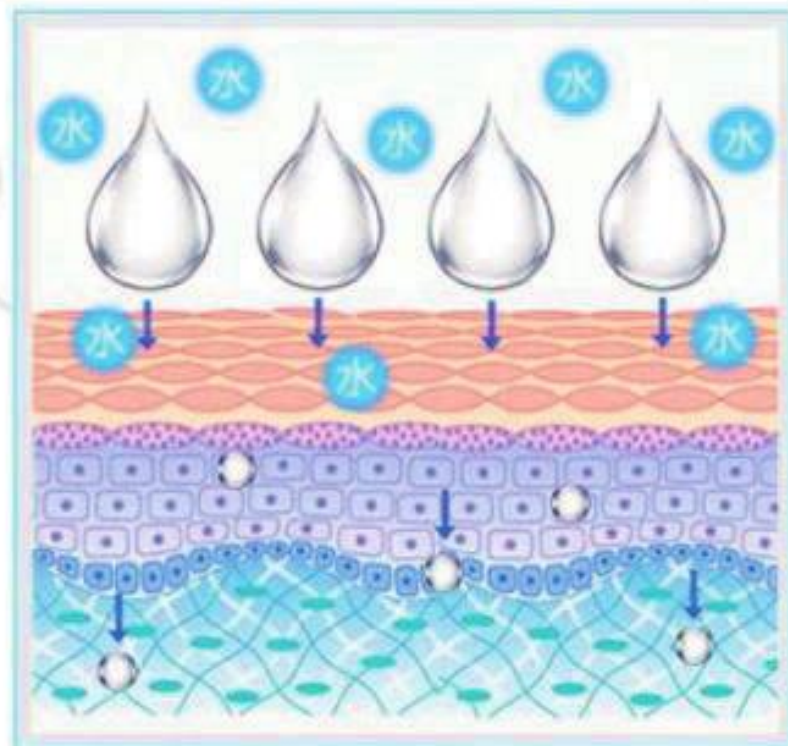
## THE ORY OF HYALURONIC ACID (+HA)

Hyaluronic acid is a part of our body.

As getting old the content of hyaluronic acid in the skin is decreased and results in decreases, resulting in skin fine lines and loss of elasticity.

By using hyaluronic acid, you can enhance skin elasticity, maintain moisture, and restore youthfulness. In addition to its moisturizing effect on normal skin, hyaluronic acid also has a healing effect on injured skin.

Hyaluronic acid can absorb and store 1000 times the weight of hyaluronic acid in the skin. Due to the high moisturizing and hydrating properties of hyaluronic acid, it can promote the movement of repair cells and activate the self-repairing ability of the skin barrier through the gap between the cells.

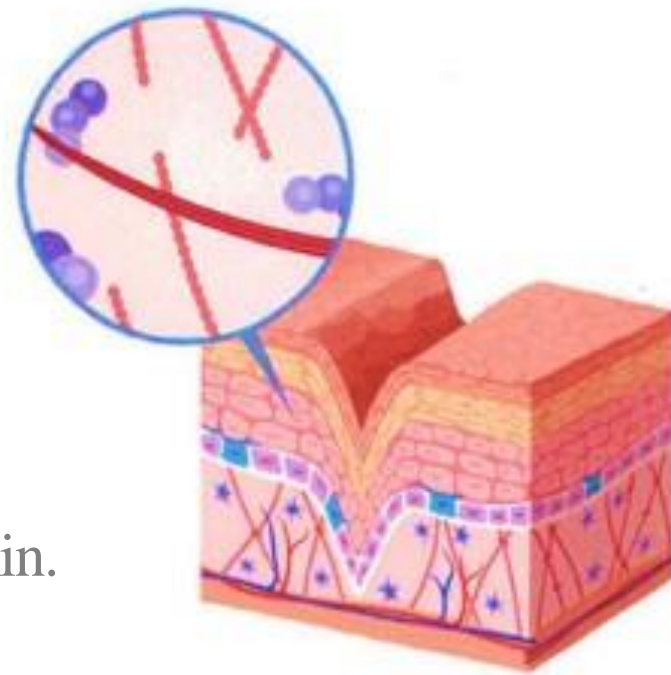




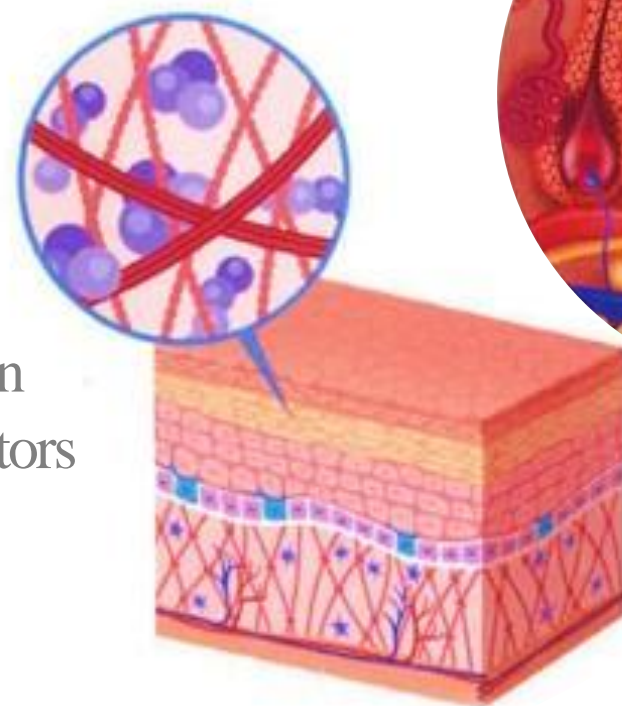
# Skin Regeneration

PDRN stimulates and increases the metabolic activity of cells called fibroblasts in the skin, thereby regenerating the key components of the skin. It helps to activate old damaged cells, and make those younger. besides, it restarts working and being recycled to new DNA.

Polydeoxyribonucleotide (PDRN) contains a polymer of deoxyribonucleotides composed of 50-2000 base pairs combined in a chain, and is known to accelerate cell proliferation by activating A2 subtype purinergic receptors and salvage pathways.



Elderly and unhealthy skin



Make skin healthy after c-PDRN skin regeneration



A2A Receptors



**Anti-inflammatory effect**  
Anti-inflammatory cytokines



**Growth factor stimulation**  
Increase the stimulation of fibroblasts



**Circulation improvement**  
Capillaries are expressed through VEGF  
Eliminate skin weakness  
Provide skin nutrients

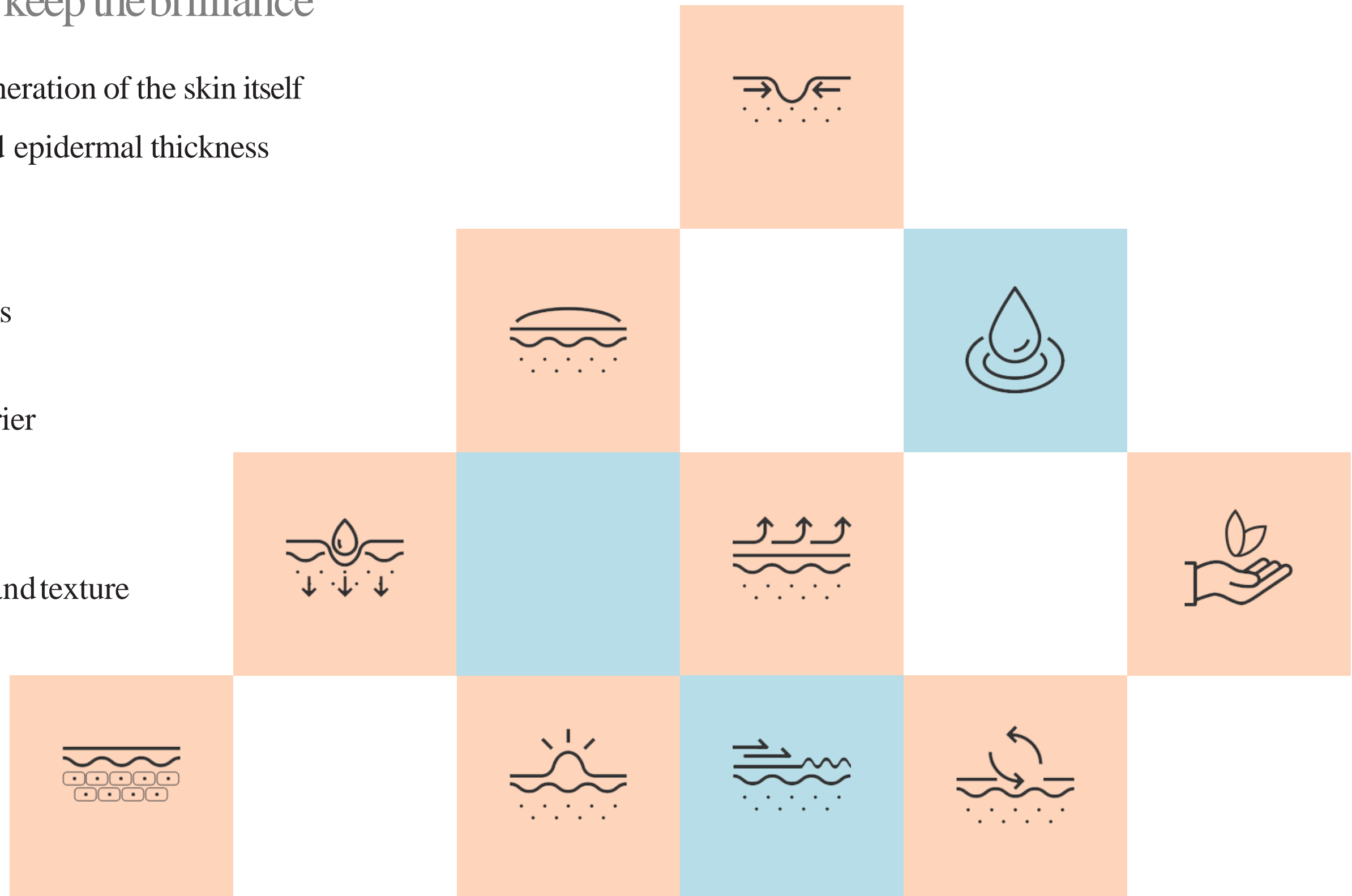


**Regeneration method**  
Rapid skin regeneration  
Increase the speed of DNA synthesis

# REGAIN BRILLIANCE, REJUVENATE SKIN

- 10 major effects to keep the brilliance

- Strengthen the regeneration of the skin itself
- Improve dermis and epidermal thickness
- Promote collagen
- Reduce pore size
- Reduce skin wrinkles
- Reduce sebum
- Regenerate skin barrier
- Anti-acne
- Moisturizing
- Improve skin tone and texture



# Difference between PDRN and PN

PDRN has anti-inflammatory properties and has excellent wound healing effects. It is also widely used for skin care purposes such as acne scar treatment. In addition, it has a great effect on 'recovery', so it can be effective in improving aging and elasticity.

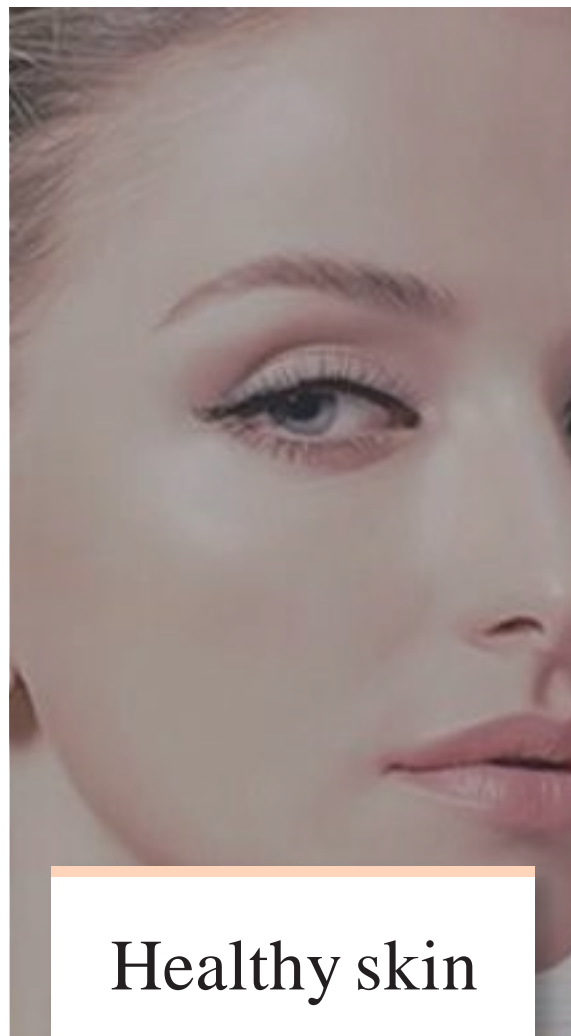
PN is a long DNA fragment among PDRNs. Focusing on the activation of the skin's healing ability. It improves the environment inside the skin from the inside of the dermis and acts as a support for the skin.

PDRN is a rapid healing of tissue damage, PN is a tissue repair and skin regeneration effect that changes the root of the skin. Excellent. Therefore, PDRN is mainly developed as a medicine used for tissue regeneration and wound treatment. PN is developed as a medical device, a biomaterial for tissue repair.

	PN product	PDRN product	LIMELUCE
<b>Ingredient</b>	PN	PDRN	HA+PDRN
<b>Effect</b>	<p>By activating the skin's own healing power, it improves the environment.</p> <ul style="list-style-type: none"> <li>Increases skin elasticity in the dermis layer</li> <li>Fundamental recovery of damaged skin</li> </ul>	<p>It is effective in regenerating scars, improving sensitive skin.</p> <ul style="list-style-type: none"> <li>Promote tissue regeneration</li> <li>Relieve tissue inflammation</li> <li>Cell proliferation</li> </ul>	<p>Collagen synthesis and skin regeneration in the dermal tissue are promoted.</p> <p>In addition, the moisturizing effect of hyaluronic acid replenishes the skin's moisture.</p> <ul style="list-style-type: none"> <li>Moisture improvement</li> <li>Improved skin elasticity</li> <li>Reduce fine wrinkles and wrinkles</li> <li>Reduce appearance of pigmentation and scars</li> </ul>
<b>Duration</b>	6 months	6 months	6 months to 1 year
<b>Characteristic</b>	PN has a large molecular size, so it is more painful during the procedure and the product price is also high.	Due to its small molecular weight it is quickly absorbed.	Due to its small molecular weight, it is quickly absorbed into the skin, and can reduce the pain during the procedure. It is also able to provide more reasonable price than PN products.
<b>Recovery period</b>	Daily life possible on the same day.	Daily life possible on the same day.	Daily life possible on the same day.

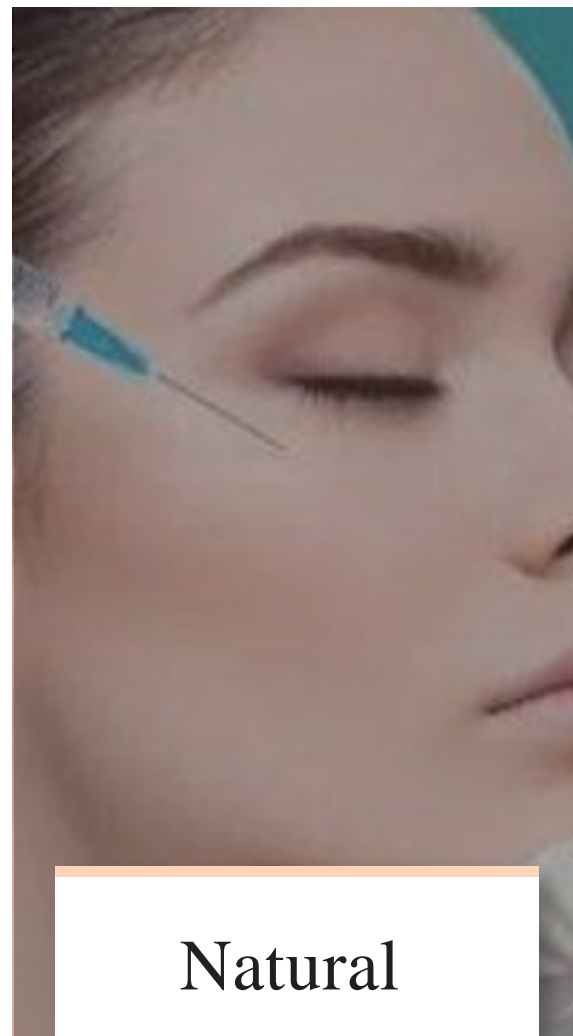
# SUITABLE FOR PEOPLE

INTENDED FOR



## Healthy skin

People who want a natural and healthy skin



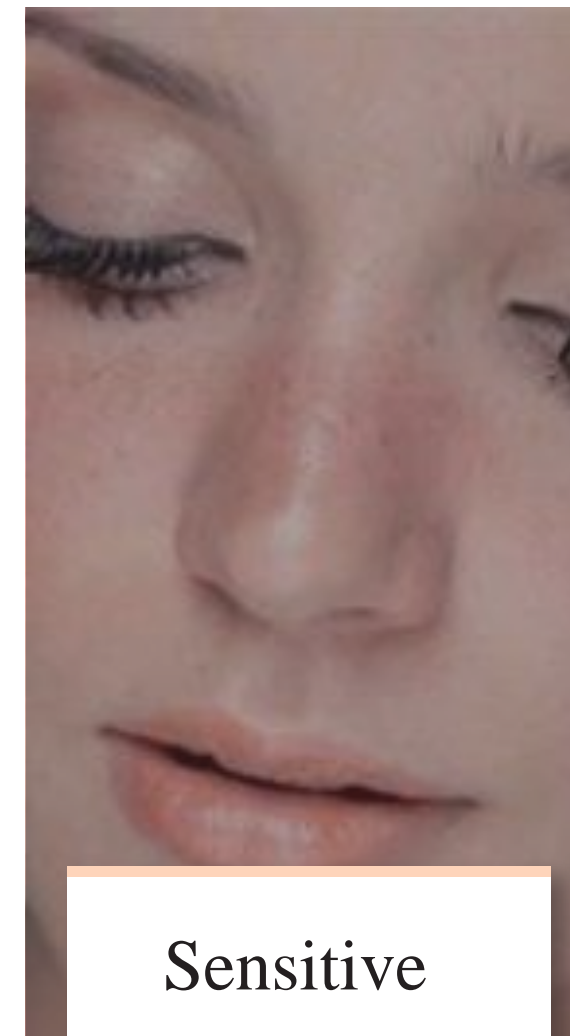
## Natural

People who do not want to inject botox and hyaluronic acid



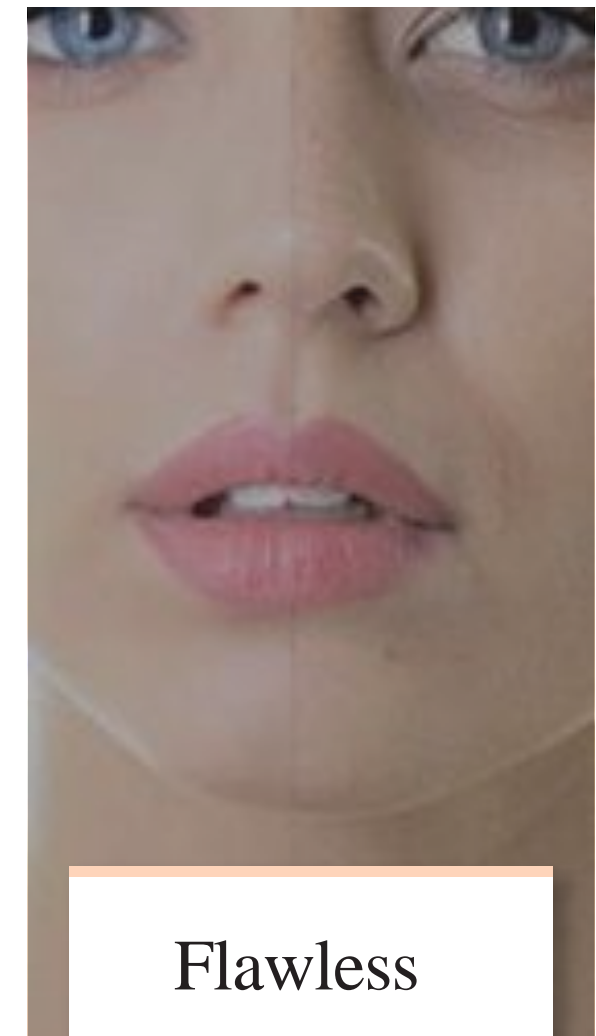
## Elastic skin

People who want to restore youth firmness and elastic skin



## Sensitive

People who want to improve skin sensitivity



## Flawless

People who want to reduce wrinkles and blemishes to solve various skin problems



**An initial course of 3 treatments, 3-4 weeks apart is recommended for optimal results.  
After the intensive course of treatment, you can repeat the treatment every 4-6 months.  
The best effect can be obtained with more than 3 treatments and maintenance period is 6 months to 1 year**

### Whole face

dosage : 0.3cc (per injection)  
depth : 1~2mm  
interval : 0.05~2cm

### Eyes wrinkles

dosage : 0.1cc (per injection)  
depth : 1~2mm  
interval : 0.05~2cm

### Smile lines

dosage : 0.3cc (per injection)  
depth : 1~2mm  
interval : 0.05~2cm

### Lips wrinkles

dosage : 0.3cc (per injection)  
depth : 1~2mm  
interval : 0.05~2cm

### Neck wrinkles

dosage : 0.5cc (per injection)  
depth : 1~2mm  
interval : 0.05~2cm

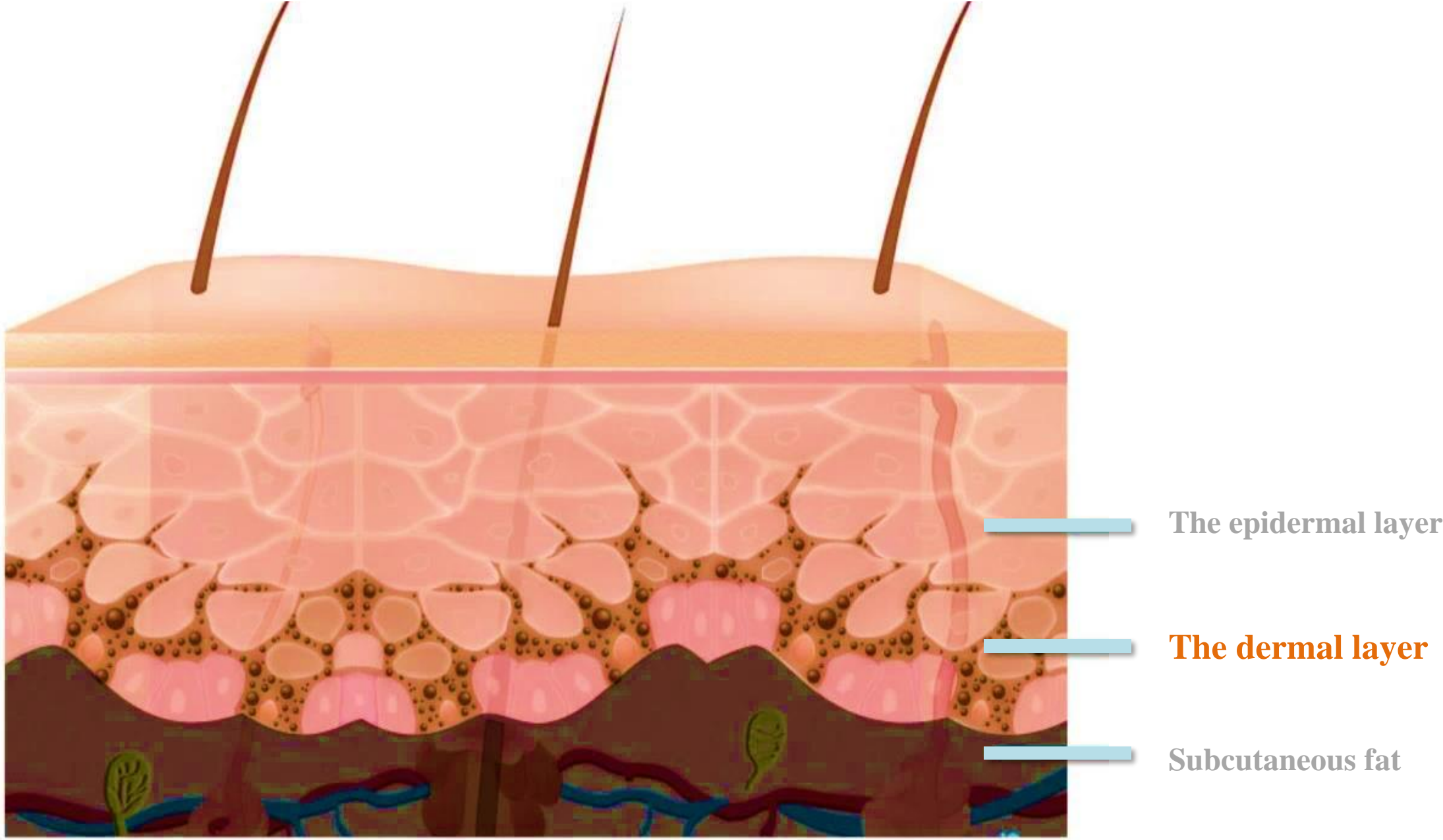
### Wrinkles on back of the hand

dosage : 0.3cc (per injection)  
depth : 1~2mm  
interval : 0.05~2cm



Limeluce restores skin by injecting it into a dermal layer that has become thinner due to aging damage.

**0.05 ~ 0.1ml Injection**



# TREATMENTS

## 1st Treatment

Smooth skin, balance water and oil, reduce sebum in skin and brighten skin tone

## 2nd Treatment

Regenerate collagen, enhance skin elasticity, improve facial fine lines and shrink pores

Overall anti-aging  
And activate skin  
youthful state

## 4th Treatment

Improve skin problems, make skin youthful and healthy

## 3rd Treatment

The skin is naturally lifted, glows from inside of the skin facial and overall line changes to be more three dimensional

# PRECAUTIONS

---

1. It is forbidden for pregnant women, those who are planning to become pregnant, and breastfeeding, and it is best to avoid during female menstruation
2. Not to be used by patients under 18 years of age
3. People with hypertrophic scars tend not to use it;
4. Patients who have a history of autoimmune diseases or are receiving immunotherapy are contraindicated
5. Those who have large open wounds or severely irritated face should be used under the guidance of a doctor
6. Try not to eat spicy food, do not drink alcohol or smoke within a week
7. Try to avoid activities with strong ultraviolet rays within a week
8. Try to avoid sauna or strenuous exercise within 5 days
9. Avoid pressing and rubbing the application site within 24 hours after surgery
10. Do not apply cosmetics containing irritating ingredients after surgery