



Caratfill®
PN + HA

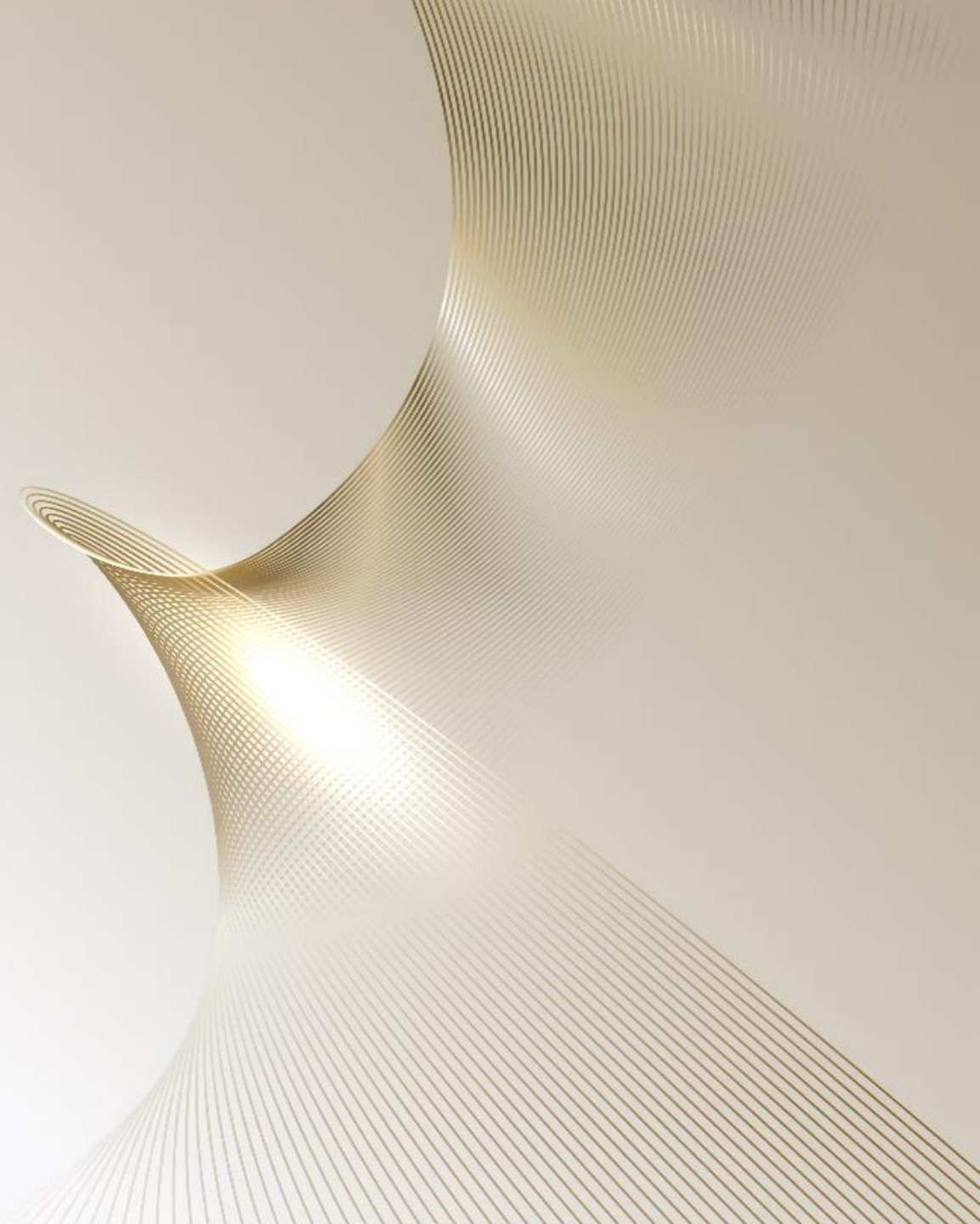
Caratfill Aurora

Ultimate moisturising Fearless time

Caratfill PN+HA

The golden liquid,

Caratfill, is a total care solution that will make your face shiny by supplying various nutrients to your skin cells.





Country of origin

Korea

Active Ingredients

- # Sodium hyaluronate
- # Polynucleotide, PN
- # Extracellular complex (ECM) components
- # Copper tripeptide-1, Amino acids

Product name

Caratfill Aurora
Caratfill(PN+HA)



Precautions

Store away from direct sunlight

Packaging Unit

5.2ml / 10vial

Expiration date

2 years



Key ingredients

01 Sodium hyaluronate

- Medical grade, safe sodium hyaluronate, a powerful moisturizer

02 Polynucleotide, PN

- From salmon sperm DNA, is a strong tissue regenerator.
- Directly approach to inner skin and improve fundamental problems of skin.

03 Extracellular complex (ECM) components

- Whole supply of ECM matrix constituents the skin dermis layer and normalizing the skin appearance

04 Copper tripeptide-1, Amino acids

- A Collagen Supplements improves skin hydration, elasticity, roughness, and density

Hyaluronic Acid

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Acting as a natural moisturizing agent between collagen and elastin in the dermis of the skin, HA is a safe substance that naturally exists in the body.

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- As we age, we naturally lose our hyaluronic acid, collagen, elastin, etc., which are all essential in skin support
→ Leads to dull skin texture
- Decomposition of hyaluronic acid and the factors binding them can lead to:
→ Decreased skin elasticity, which leads to wrinkles

Sodium Hyaluronate

- 50% of the body is present in the skin, and the amount of hyaluronic acid decreases as aging progresses
- Effect of attracting water 500-1000 times its own weight
- Individually recognized material that has been recognized for its functionality and safety for skin moisturizing by the MFDS
- Using pharmaceutical grade, safe high-purity hyaluronic acid and supplying it to the skin, creating a healthy skin base and improving overall skin



Polynucleotide (PN)?

Derived from *Oncorhynchus mykiss* (Salmon trout) or *Oncorhynchus keta* (Chum Salmon) sperm DNA



Salmon

Extract DNA almost
matched with humans
base material from
Salmon trout

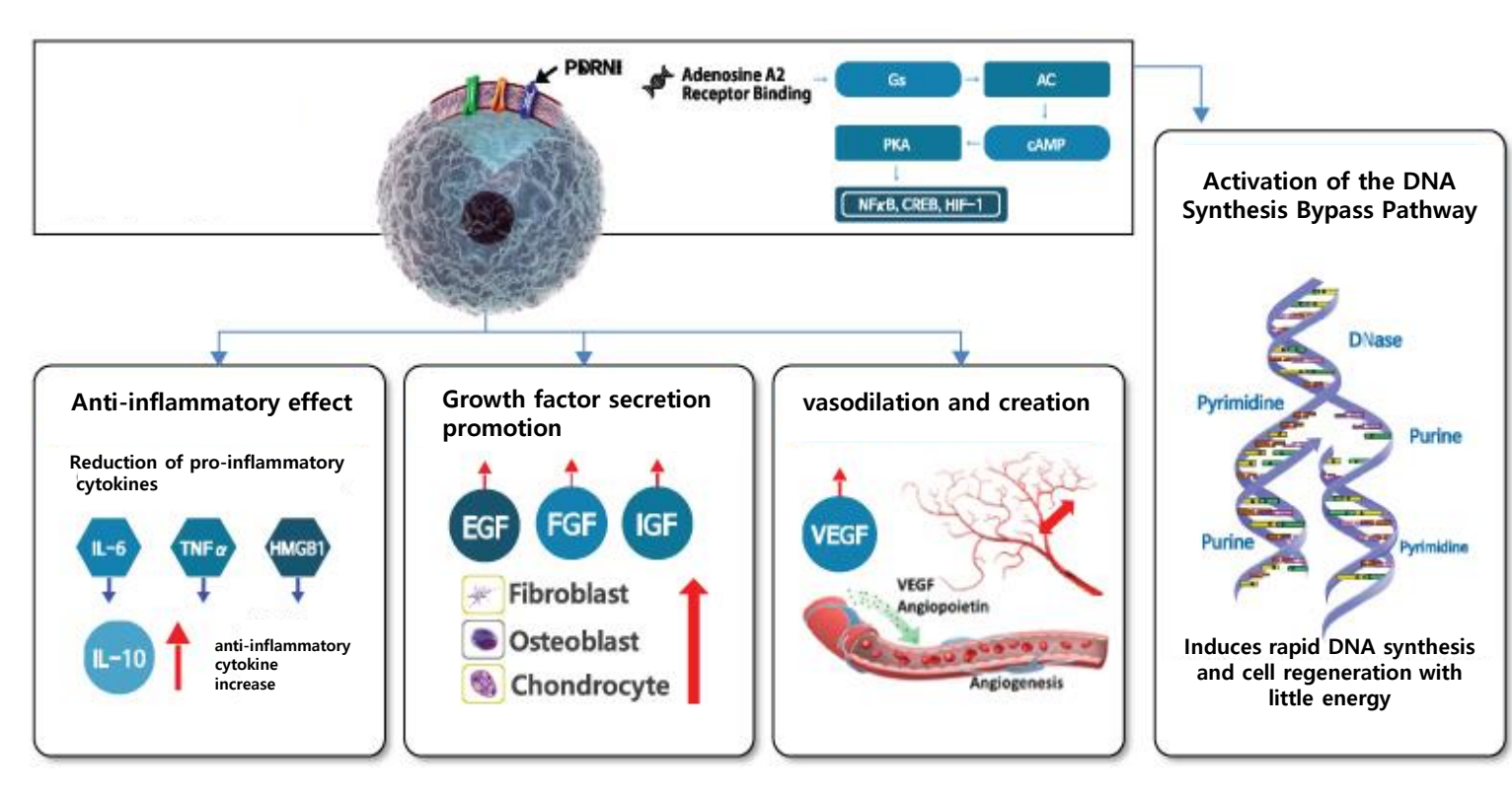
Produce medicine dividing
the DNA polymer
regularly through special
technology

PN effect as a medicine

- Tissue repairing
- Wound healing
- Regenerative effects to ligament, tendons, skin etc.



Selective action on Adenosine A2b Receptor

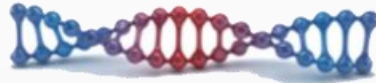


A cell regeneration promoting substance, a DNA fragment that selectively acts on adenosine receptors when administered to the body and exhibits selective anti-inflammatory effects, cell proliferation, and tissue regeneration effects on damaged areas

Polynucleotide (PN)?



Wild Salmon(Korea)



PN

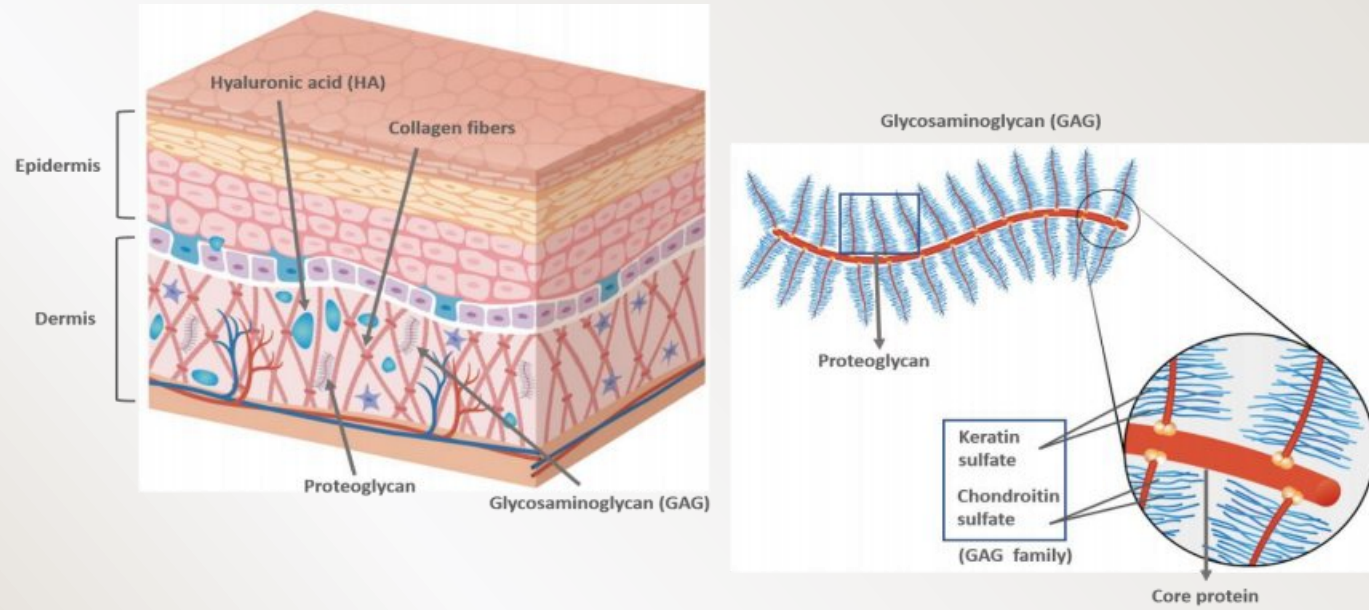
- Proven to be the most compatible to human skin without causing any adverse effects
- Stimulating skin's own reparative and restorative capabilities
- Skin elasticity improvement by recovering the biological condition of the dermis and epidermis



Extracellular matrix (ECM)

- “ECM complex”, the complete skin improver
- Whole supply of ECM matrix constituents accounting for the skin dermis layer and normalizing the skin appearance
(Collagen, Hyaluronic acid(HA), Proteoglycan(PG), Glycosaminoglycan(GAG) consists of ingredients.)
- Component Approach: Extracellular matrix (ECM) constituents





Extracellular matrix (ECM) characteristics

- A biopolymer aggregate that is located in the space between cells in the body and exhibits hydrophilicity
- Physiological and chemical roles such as cell migration, cell proliferation, and intracellular metabolism
- The main components are hyaluronic acid + collagen + glycosaminoglycan (GAG) + proteoglycan (PG), etc.



Extracellular matrix (ECM)

ECM matrix - Proteoglycan

One of the main components of ECM along with HA and collagen. It is functionally similar to HA and has a water retention capacity and is known to increase intracellular collagen and HA production. Induces the synthesis of collagen and gives flexibility to the ECM

ECM matrix - Glycosaminoglycan

As an ECM component, it increases the electrical conductivity of the skin to increase penetration and moisturizing power, and provides a moisturizing long lasting effect to the affected area. It is known that the amount of GAG is reduced in aged skin, and there is a study result that the amount of this decrease is proportional to the amount of water loss in the skin of the elderly.

ECM matrix - Hyaluronic acid

ECM components. Because hyaluronic acid can hold water molecules more than 1000 times its own weight, it has the characteristic of providing a moisturizing function. (Constantly supplies water molecules and has long-term moisture retention benefits)

ECM matrix - Beta glucan

As a component isolated from mushrooms, it is known to have excellent anti-inflammatory / antibacterial effects. The study result showed that the level of effective activity was similar to that of NSAIDs such as aspirin, naproxen, and ibuprofen. In addition, various anti-inflammatory and effective activities have been verified based on the results of several studies showing that it has a strong immune-stimulating activity.



Features

Safe

Nature

Effect

COMPREHENSIVE

✓ **S N E C**



Features1 : Safe

Safe



Caratfill PN+HA is composed of high biocompatible DNA fragment with no adverse reaction.

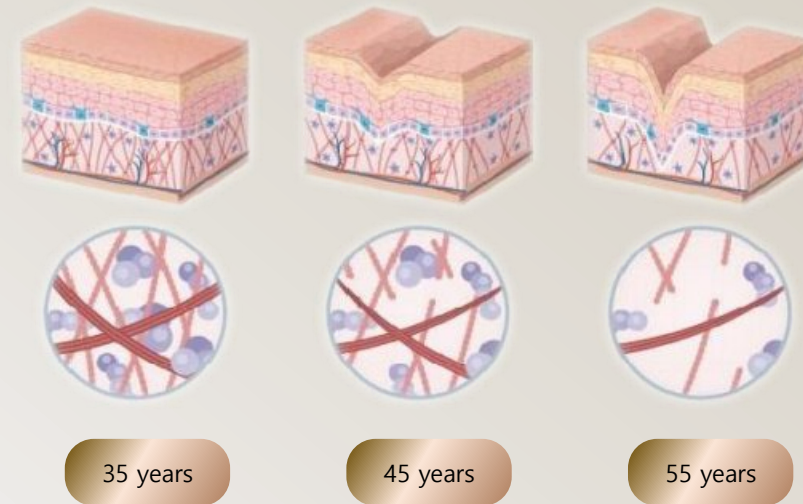


By extensively utilizing the cutting-edge technology of life sciences, push the boundaries of mankind, exploring health and beauty, and finding the most original symbiotic relationship.

Features2 : Natural



Caratfill PN+HA gives both the skin healing strengths of PN and the deep skin hydrating benefits of HA



Features3 : Effectiveness

EFFECTIVE

- ✔ Caratfill PN+HA promotes the secretion of collagen and restores Extra Cellular Matrix to recover thin and damaged skin inside caused by aging, while simultaneously improving skin elasticity and reducing the appearance of wrinkles





COMPREHENSIVE

Features4 : Clinically Tested





Clinical Studies

Caratfill PN+HA is made of polynucleotides (PN), which are DNA fragments of specific size derived from wild salmon.

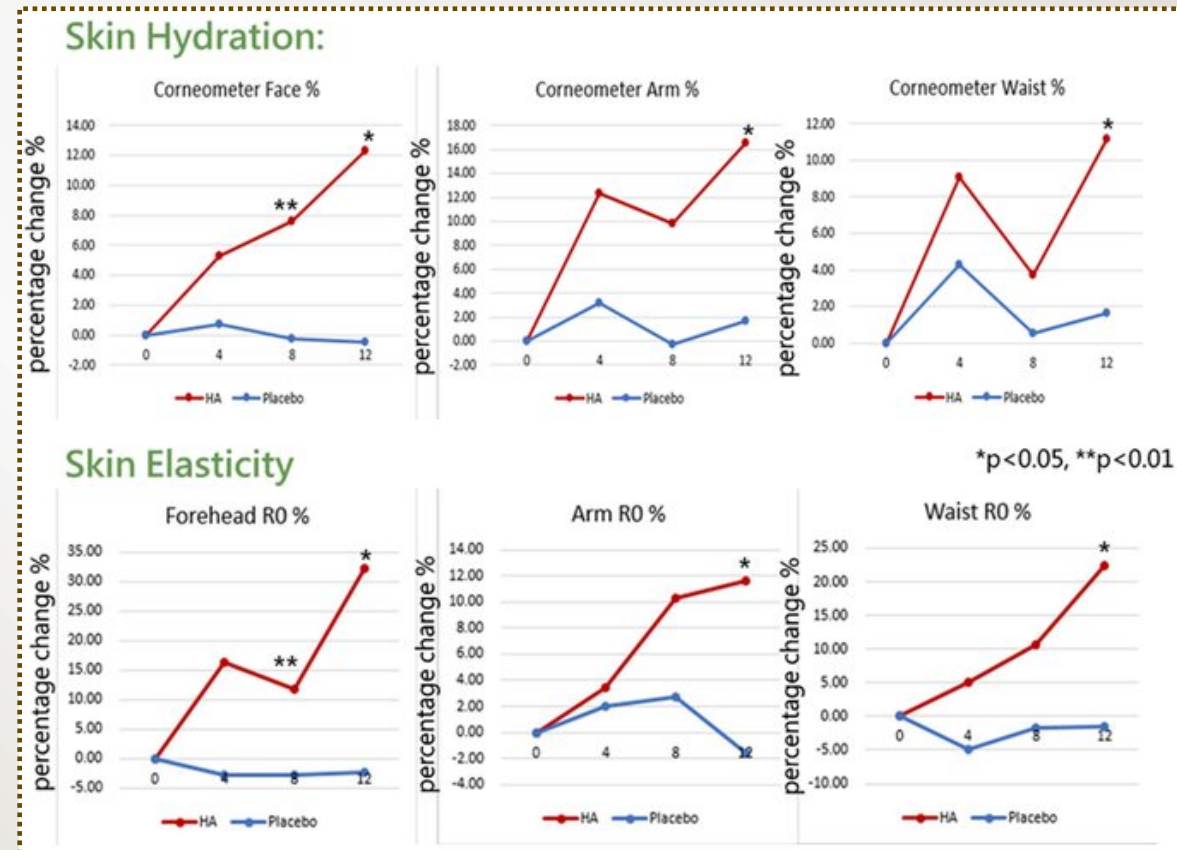
makes your skin young and healthy naturally by delivering the highly bio-compatible polynucleotides directly into the skin.



Test Results

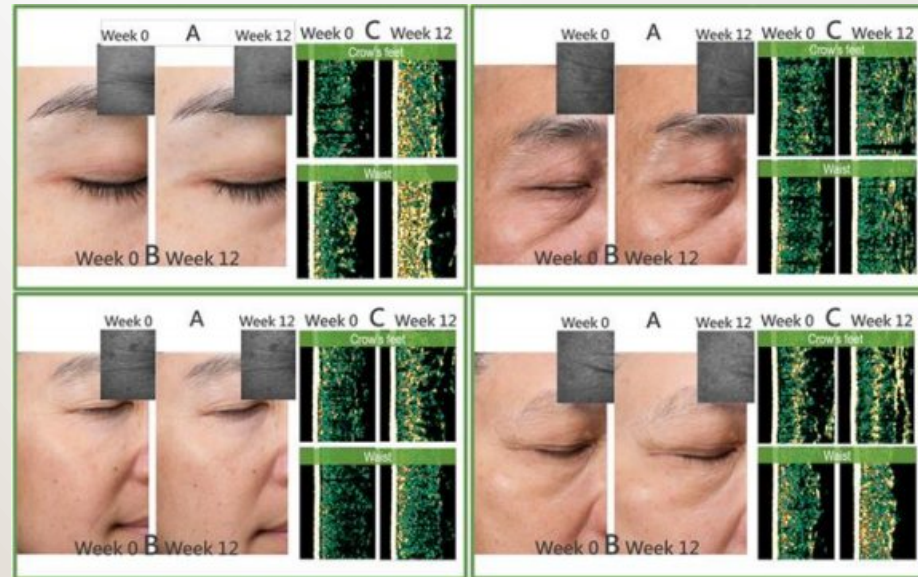
- The experiments shows Caratfill PN+HA gives you the natural skin beauty effects resulting from increasing skin elasticity and hydration from deep inside of the skin.
- Caratfill PN+HA improves pigmentation and overall brightness of the complexion which is helpful in recovering the tonicity and luminosity of smoother skin texture.

Increased of skin elasticity and hydration



Why Choose 'Caratfill PN+HA'?

Improvement of skin hydration and reduction of wrinkle



ISHAS, 2020

Why Choose 'Caratfill PN+HA'?

Reduction of wrinkle and improvement of skin texture, turgidity



J Cosmet Dermatol 2020

Why Choose 'Caratfill PN+HA'?

Improvement of skin tone and decrease acnes



Baseline

12 weeks after treatment

Dermatol Ther 2016:29

Why Choose 'Caratfill PN+HA'?

BEFORE



AFTER

Why Choose 'Caratfill PN+HA'?

BEFORE



BEFORE



AFTER

Why Choose 'Caratfill PN+HA'?



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