



NEO美

Awaken New

Beauty

in ME

NEO

美

ME

CONTENTS

NEO美

Intro	3
Strength	7
Key Effects	11
Application Area	12
Comparison Data	13
Clinical Research	14
Injection Protocol	17
Before & After	24
Specification	28



NEOME Awaken New(NEO) Beauty(美) in Me(ME)

NEO美

Helps you awaken the essence within

It's not just about looking different,
it's a journey of awakening your inner essence and restoring your natural beauty.
Not merely a "different me," but a transformation into a "more authentic me."

A radiant vitality that rises naturally, a lasting sense of health and glow- We pursue
a refined beauty that turns the traces of time into marks of elegance.

Refined Beauty, Redefined.
Reveal the New You — with NEOME.

The World's First Liquid PCL Stimulator, Redefining Collagen Regeneration

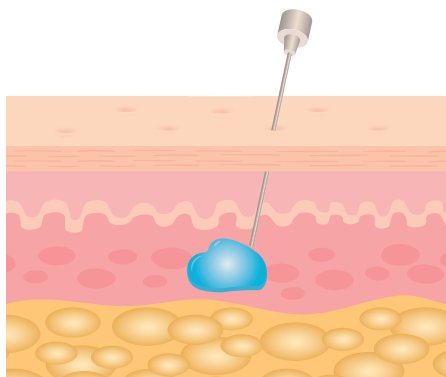
	PLLA	Conventional PCL	Liquid form PCL NEOME
Volume	150mg (powder type)	1ml*2 (CMC gel)	1cc Prefilled Syringe (21% PCL)
Main Ingredient	PLLA	PCL + CMC gel	Fully Liquid Form PCL
Formation	Tens of Micro-sized Particle	Tens of Micro-sized Particle	Without Tens of Micro-sized Particles
Advantages	<ul style="list-style-type: none"> • Volume • Tightening for Specific Area 	<ul style="list-style-type: none"> • Volume • Tightening for Specific Area 	<ul style="list-style-type: none"> • Tightening • Skin Elasticity for Whole Face
Durability	6-8 Months	6-12 Months	6-12 Months
Injection Area	Deep Dermis-Sub Q	Deep Dermis-Sub Q	Deep Dermis-Sub Q

Polycaprolactone (PCL) is a biodegradable polymer that has been FDA-approved for use in medical sutures, tissue engineering, and drug delivery systems, making it a safe material for medical applications.

When injected into the skin, it stimulates fibroblasts to induce collagen production, naturally restoring volume and improving skin elasticity.

Conventional PCL stimulators, in micro particle form, have posed risks such as injection blockage, vascular complications, and nodule formation.

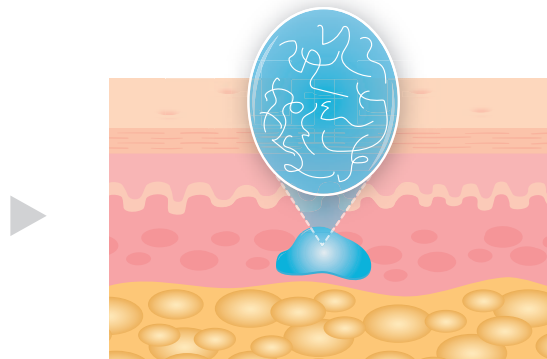
Unique Mechanism of NEOME



Step 1
Injection of Liquid PCL

NEOME contains Polycaprolactone in a liquid state, where the molecules form a uniquely twisted chain structure, unlike traditional particle-based products.

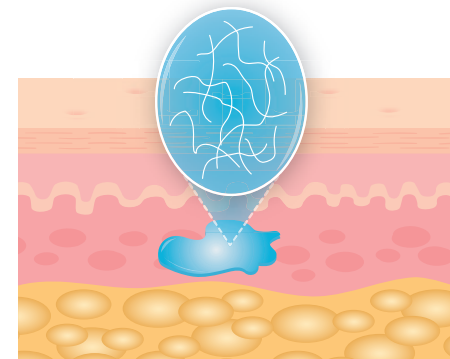
This allows for smoother injection and precise tissue integration.



Step 2
Chain Realignment After Injection

After injection, the twisted chains gradually untwist and realign within the dermal layer.

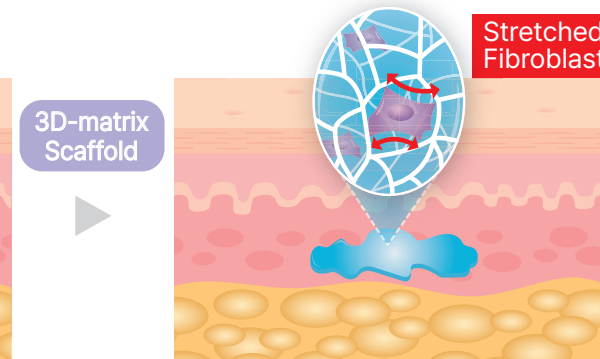
This molecular rearrangement forms a uniform, three-dimensional scaffold that mimics the skin's natural support structure.



Step 3
Fibroblast Stimulation Within the Scaffold

Within this newly formed scaffold, fibroblasts are gently and continuously stimulated.

This triggers the skin's natural healing response, promoting sustained collagen production over time.



Step 4
Structural Support & Skin Quality Improvement

As collagen fills the scaffold, it enhances dermal density and elasticity.

This leads to long-lasting wrinkle reduction, natural volume restoration, and visibly improved skin texture and firmness.

CESABP™ Collagen Synthesis-Enhancing Technology for Liquid Type PCL

C ollagenesis

E nabled

S olubilized

A ctive

B iodegradable

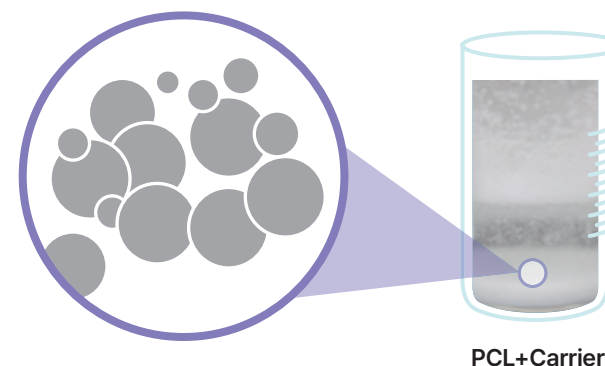
P olymer

Technology

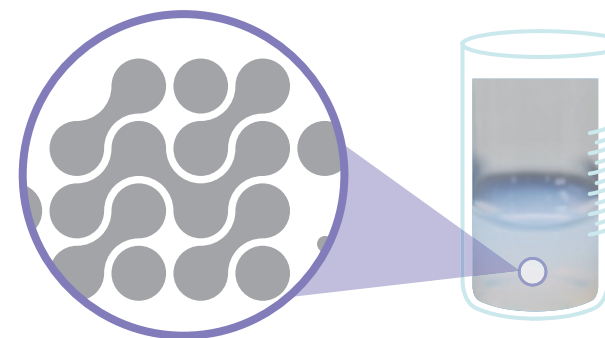
PCL has long been used in aesthetic treatments but faced limitations as a stimulator due to its large particle size, which made it difficult to use safely and effectively.

In the case of some biocompatible and biodegradable polymer products, the microparticles of insolubilized polymer are dispersed in carboxymethylcellulose (CMC) gel or Glycerin liquid. But its size is so big that sometimes they are stuck in the needle. Also, there is a possibility of a blockage of veins. In addition, they are only proper to use on the localized part of the skin since it does not spread easily.

With the development of solubilized liquid PCL, it is now possible to achieve both collagen regeneration and enhanced safety.



PCL+Carrier



Liquid Type PCL

3 Key Benefits of NEOME



1. Safety Unmatched Safety with Fully Solubilized PCL

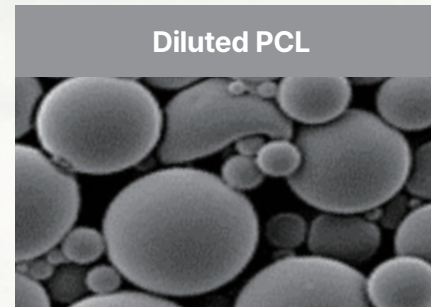
Limitations of Conventional Microparticle Stimulators

- Most polymer-based products are composed of **microparticles that tend to remain localized after injection**, limiting their ability to spread evenly within the tissue.
- These microparticles can **clog blood vessels or needles**, resulting in serious complications such as **blindness, necrosis, granulomas, and nodules**.
- Such adverse events have been **consistently reported in clinical practice**, highlighting persistent safety concerns.

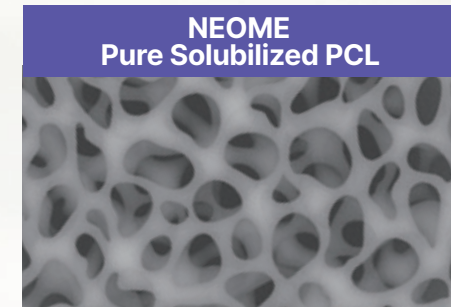
What Makes NEOME Different?

- NEOME is the world's first fully solubilized PCL formulation, entirely free of microparticles, which allows it to spread naturally upon injection (collagenesis spread) and distribute evenly without forming nodules.
- This unique structure **fundamentally eliminates the primary causes of vascular accidents or nodules** that are commonly linked to conventional polymer products.
- As a result, **NEOME drastically reduces the theoretical risk of such complications**, and notably, since its CE approval in 2021, **there has not been a single reported case of vascular accidents or nodules**, clearly demonstrating its **exceptional safety**.

Particle Composition



VS



Why is Particle-Free Better?

Conventional Polymer Products (with Microparticles)

Remains localized, leading to overcorrection and nodules

Risk of needle clogging & vascular occlusion
→ serious complications

NEOME (Particle-free)

Spreads naturally after injection, evenly distributed **without nodules**

Extremely low risk of occlusion due to absence of small particles

2. Spreadability

Wide, Uniform Spread Without Nodules

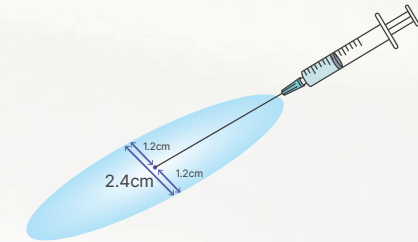
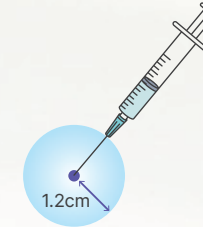
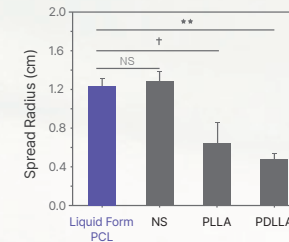
Risks of Conventional Polymer Products

- **Microparticle-based PCL** induces collagen only around the injection site, which is suitable for deep areas like the nasolabial folds or cheeks. However, in thin or mobile areas like the **neck or décolleté**, particles may settle superficially, causing **nodules or uneven contours**.
- Particles can also shift with skin movement or pressure, leading to **irregular collagen formation and unpredictable results**.

What Sets NEOME Apart

- **NEOME is formulated with 100% fully solubilized, particle-free PCL** that spreads widely and evenly through the dermis and subcutaneous layers immediately upon injection, reaching up to a **2.4 cm spread radius** in comparative tests. This dramatically **lowers the risk of nodules or lumpiness**, making it safe even for delicate areas like the **neck and chest**.
- Clinical tests show NEOME creates a smooth surface immediately after treatment, with **uniform collagen regeneration** that improves wrinkles over time.
- NEOME moves naturally with tissues, enabling **consistent collagen remodeling** and avoiding common issues like lumpiness or irregularity.

Spread Radius Test



Spread radius up to 2.4 cm, comparable to saline, ensures broader coverage with fewer injection points and minimizes the risk of clumps.

Confirmed by Bolus Test Observations

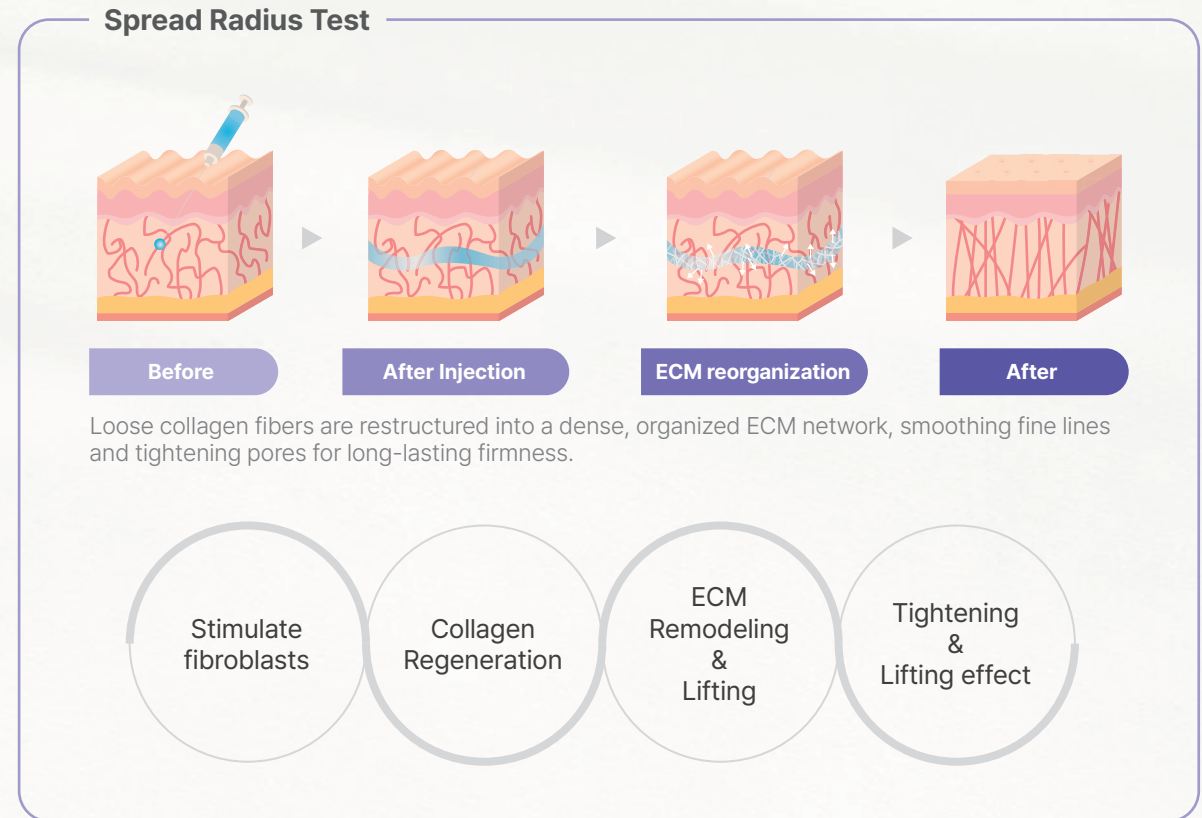


Bolus tests showed NEOME spreading smoothly within 2, 4, 6 hours, up to 3 days, ensuring uniform distribution without clumps, minimizing nodules even in thin, mobile areas.

3. Collagenesis Sustained Remodeling with Natural Stimulation

Comprehensive Collagen Regeneration and Remodeling

- Unlike PLLA or PDLLA microparticle stimulators that only stimulate collagen around localized particles and often lead to nodules, **NEOME activates fibroblasts uniformly across both the dermis and subcutaneous layers** driving balanced collagen regeneration without clumps.
- Upon injection, **NEOME's initially coiled PCL molecules unfold to form a scaffold within the tissue**, creating an organized structure where fibroblasts can attach and continuously produce new collagen.
- This newly formed collagen network **densely fills the dermis and reorganizes the extracellular matrix (ECM)**, improving skin texture, elasticity, and pore structure, ensuring smooth, even skin **without lumps or irregularities**.
- **This process not only strengthens the dermis but also gradually smooths out fine lines and tightens pores**, resulting in a naturally youthful, firm skin appearance **without the risk of nodules or unnatural bulges** often associated with particulate stimulators.
- **NEOME delivers naturally youthful, firm skin for 6 to 12 months without the risk of nodules or unnatural bulges**, unlike many conventional polymers that require frequent touch-ups due to limited persistence.



Restore Your Skin's Natural Power

Premium Solution for Skin Firmness and Lifting

Improves Skin Clarity and Radiance

Brightens dull skin tone and enhances overall luminosity

Increased dermal density and enhanced microcirculation improve light reflection on the skin surface, reducing dullness and helping the skin glow from within.

Lifts Facial Lines and Defines Contours

Lifts sagging skin and refines facial shape for a firmer, more youthful look

This transformation is made possible by activating fibroblasts to regenerate collagen, rebuilding the dermal matrix and reinforcing structural support beneath the skin.

Refines Texture and Minimizes Pores

Smooths rough skin and tightens visible pores for a polished complexion

Remodeled collagen fibers create a firmer, more uniform dermal layer that visibly shrinks pore appearance and improves surface smoothness.

Sustains Long-Lasting Firmness and Skin Balance

Strengthens skin elasticity and firmness over time, with enduring results

Biodegradable PCL microspheres continuously stimulate collagen production, supporting long-term dermal remodeling and restoring a balanced, resilient skin structure.

Versatile Application of NEOME

NEOME delivers outstanding tightening effects - from face to body, even across large areas



Face



Eye Area



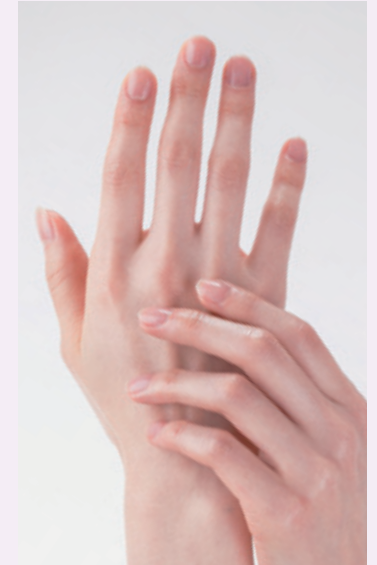
Chest Area



Neck



Armpit

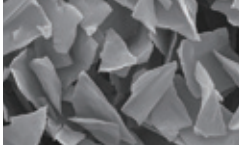
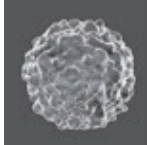

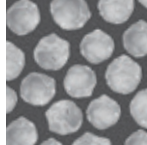


Hands

“ For both broad and delicate areas ”

NEOME revitalizes the skin and restores overall firmness and elasticity

Comparative Overview of Polymer Injectable Products

Product	NEOME	Sculp***	JUVE***	JUVE*** V***	Ellan***	Radi***
Main Ingredient	PCL	PLA(PLLA), CMC	PLA(PDLA), HA	PLA(PLLA), HA	PCL, CMC	CaHA, CMC
Content	Fully Liquid PCL 21%	150mg PLLA 41%, CMC 59%	50mg PDLA 85%, HA 15%	200mg PDLA 85%, HA 15%	1cc PCL 30%, CMC 70%	Calcium Hydroxylapatite 30%, CMC 70%
Particle Size	None	77µm on Average	33µm (20~50µm) on Average	66µm (20~50µm) on Average	33~55µm	25~45µm
Particle Shape	None	 Crystal Form (Shattered Glass-like Fragments)	 Porous, Reticular (Mesh-like) Structure	 Porous, Reticular (Mesh-like) Structure	 Spherical Particles	 Uniform CaHA Spheres with Smooth Surface
Duration	1 Year	1~2 Year	12~18 Months	12~18 Months	18~24 Months	18~24 Months
Treatment Area	Deep Dermis ~ Subcutaneous	Subcutaneous	Intradermal, Subdermal	Subcutaneous	Subcutaneous	Immediate Subdermal Plane
Application Area	Stimulates Autologous Collagen Production, Improves Elasticity and Fine Wrinkles	Restores Volume, Induces Collagen Regeneration	Scars, Wrinkles, Facial Area	Volume Restoration, Collagen Stimulation	Volume Enhancement	Volume Restoration, Collagen Induction

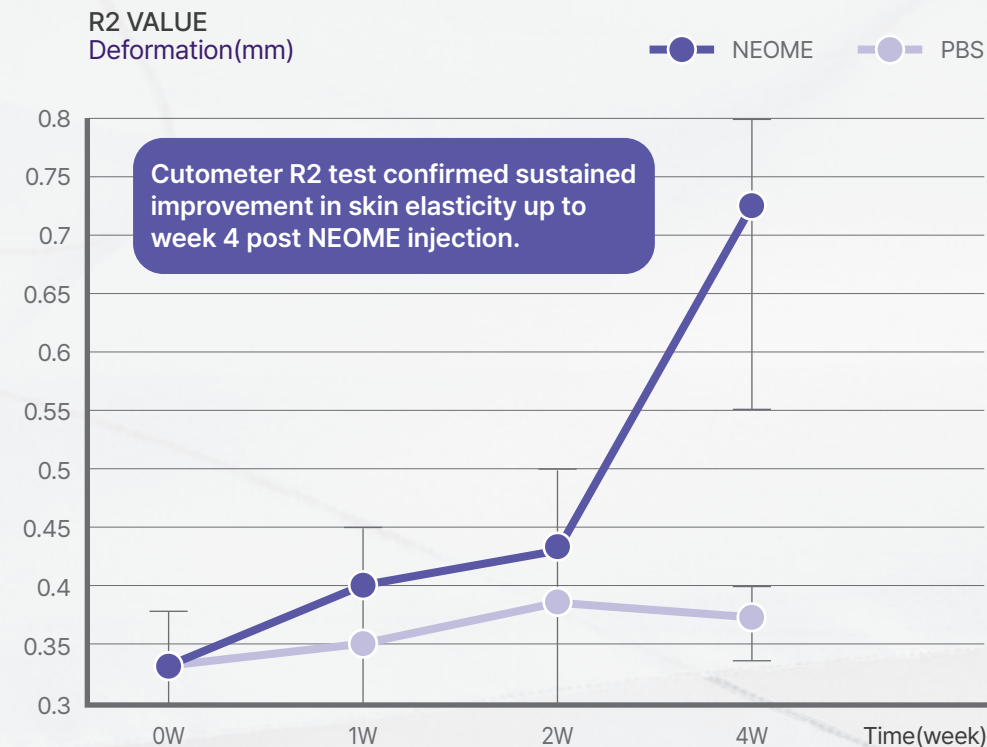
Clinical Research _Skin Elasticity

Skin Elasticity Improvement (Over 4 Weeks)

Dermal elasticity measured by the Cutometer (R2 value) showed a steady increase up to 4 weeks after NEOME injection, indicating a progressive enhancement in skin elasticity.

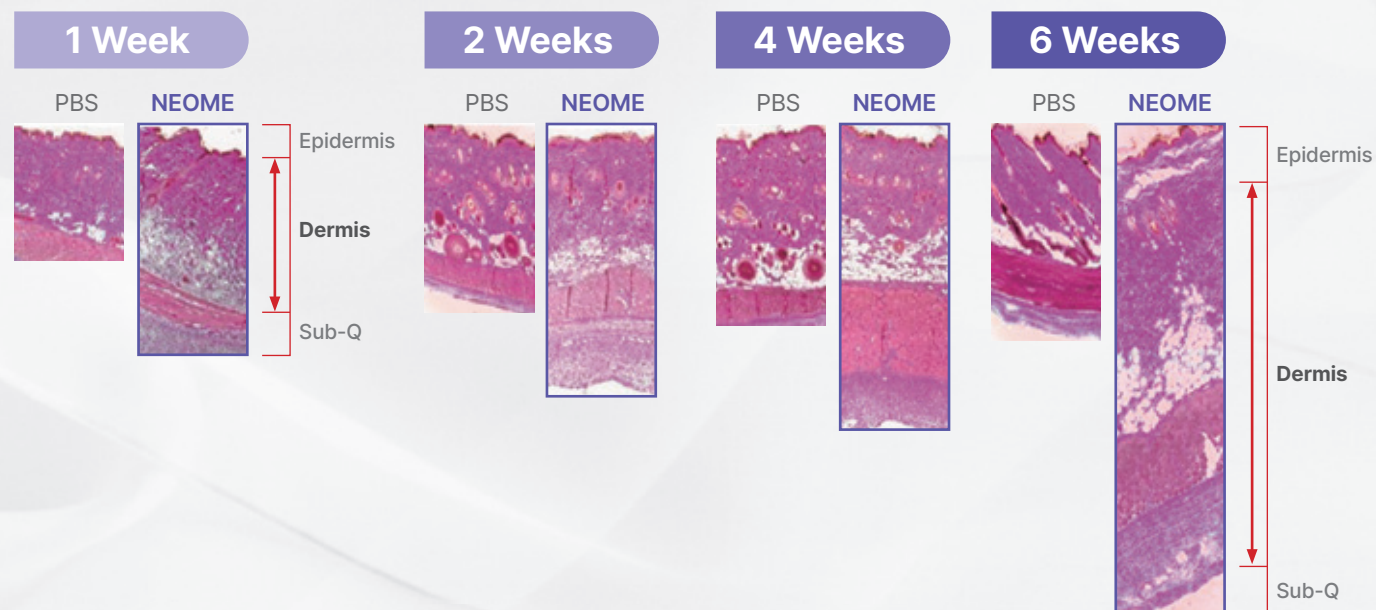
This upward trend became more pronounced from week 2, aligning with the active phase of collagen synthesis as fibroblasts rebuilt the dermal matrix.

The improved elasticity resulted in firmer, more resilient skin, underscoring NEOME's effectiveness in long-term structural rejuvenation.



Clinical Research _ECM Collagen Remodeling

Dermal Thickness & Collagen Density (Over 6 Weeks)



Compared to the control (PBS), our product significantly enhanced collagen activity from the first week, leading to a progressively **denser and thicker dermal layer by week 6**.

This consistent increase in collagen density and dermal thickness reinforces the skin's structural framework, promoting long-term remodeling of the extracellular matrix (ECM).

Consequently, the skin becomes smoother, firmer, and more resilient, maintaining its improved integrity well beyond the initial treatment period.

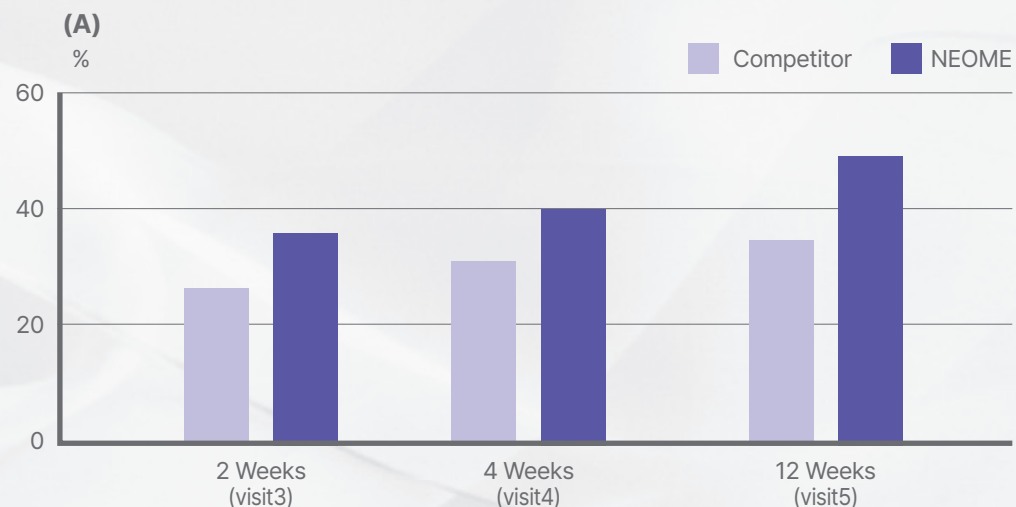
MT staining confirmed early **collagen accumulation by week 2**, resulting in a **denser, thicker dermis by week 6**.

This progressive transformation supports **ECM remodeling**, yielding **firmer and smoother skin**.

Clinical Research _Wrinkle Improvement

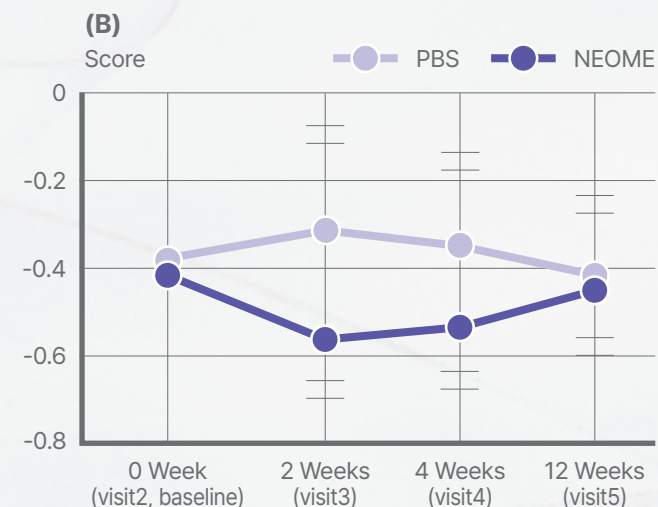
CFGS Improvement Rate (When Resting)

- At rest, the **wrinkle improvement rate** reached **48.3% by week 4** with NEOME, surpassing the competitor's 41.4%.
- This effect was **sustained through week 12**, confirming a long-term reduction in static fine lines.



CFGS Score Change (When Laughing)

- During smiling, **CFGS scores decreased** more significantly with NEOME, reaching **-0.6 at week 2**.
- These reductions persisted up to week 12, demonstrating effective smoothing of dynamic wrinkles.



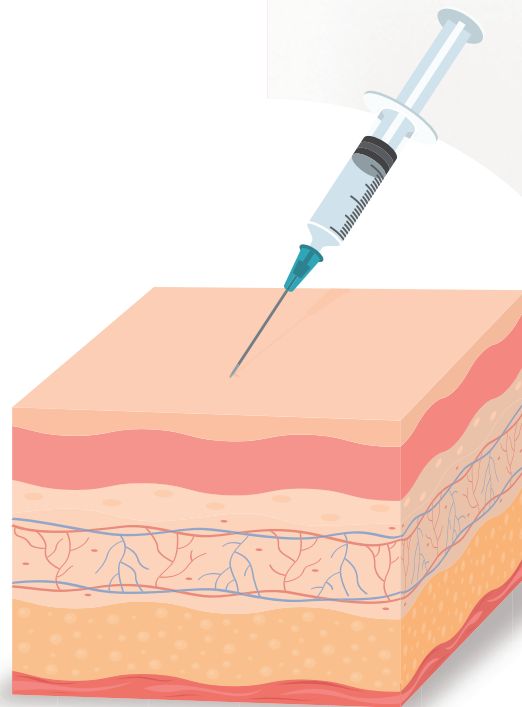
Scale	Detail
0	No Wrinkles
1	Very Fine Wrinkles
2	Fine Wrinkles
3	Moderate Wrinkles
4	Severe Wrinkles

“ Collectively, these findings underscore **NEOME's efficacy** in reducing both static and dynamic wrinkles by restructuring the dermal matrix, resulting in **smoother, more youthful-looking skin.** ”

General Protocol of NEOME

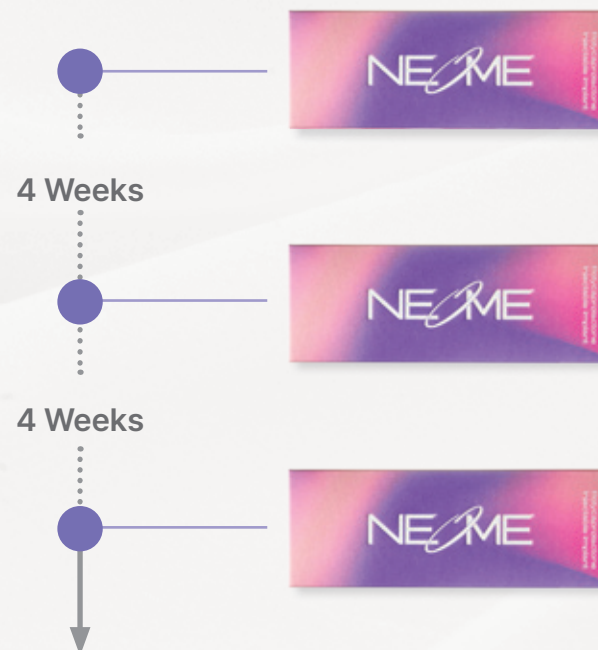
Injection Layer	Deep Dermis
Cannula Size	25G 50mm

Epidermis
Dermis
Sub-Q



**For the best results,
3 sessions are recommended at 4 week intervals.**

After the sessions, apply an additional 1-2 treatments at 3-6 month intervals, depending on the patient's condition.



Preparation Before Procedure



Wash the face with warm water

Step 1



Apply anesthetic cream on injection area

Step 2



Leave the cream for 20-30 minutes

Step 3



Wipe off the cream with an alcohol cotton pad

Step 4

Required Materials

NEOME & Normal Saline (ratio per selected protocol)
2% lidocaine containing epinephrine
23G needle (punching needle)
25G, 50mm cannula

Recommended Dilution

1cc NEOME + 4cc Normal Saline
or adjust as needed

* Minimum 1 NEOME: 2 Normal Saline
* **Maximum (Recommended)** 1 NEOME: 4 Normal Saline

Anesthesia

Local anesthesia should be administered prior to NEOME injection to minimize potential side effects.

Antihistamines

(e.g., cetirizine)
*optional

Take after the procedure to reduce the risk of severe reactions, especially to patients who may have an allergic reaction to the Implanted material.

How to Inject NEOME Overall Protocol

Before NEOME Injection

Inject Lidocaine with Epinephrine

Inject 0.3cc of 2% lidocaine with epinephrine along each intended injection line to create a tunneling pathway.

During NEOME Injection

NEOME+Normal Saline Mixture Injection

Using cannula, Inject adequate amount per line of the prepared mixture- (NEOME+Normal Saline), depending on the selected protocol.

Caution During Injection

Cannula is recommended and a needle may be used only when appropriate.
For the eye area, use cannula and do not use needles.
Do not enter bleeding points.
Do not use the fanning technique.



Cannula Injection Protocol Mid-face



*Recommended cannula gauge : 25G or 26G

Injection Volume

Total 5cc NEOME 1cc+Normal Saline 4cc
0.6cc X 8 lines

Entry Points

1st point at 25°, approx. 3.5cm from the lateral canthus

Inject the Product with a Cannula Using a Linear Technique

1st point direction heading towards the ala of the nose, then the chin

Cannula Injection Protocol Full Face I



*Recommended cannula gauge : 25G or 26G

Injection Volume

Total 5cc NEOME 1cc+Normal Saline 4cc
0.4cc X 12 lines

Entry Points

1st point at 25°, approx. 3.5cm from the lateral canthus
2nd point above the eyebrow tail

Inject the Product with a Cannula Using a Linear Technique

1st point direction heading towards the ala of the nose, then the chin
2nd point direction heading towards the middle of the forehead

Cannula Injection Protocol Full Face II



*Recommended cannula gauge : 25G or 26G

Injection Volume

Total 10cc NEOME 2cc+Normal Saline 8cc
0.5cc X 20 lines

Entry Points

1st point at 25°, approx. 3.5cm from the lateral canthus
2nd point above the eyebrow tail

Inject the Product with a Cannula Using a Linear Technique

1st point direction heading towards the ala of the nose, then the chin
 heading towards temple
2nd point direction heading towards the middle of the forehead

Post-Treatment Care

No severe side effects were reported during the testing and use of NEOME.

However, **mild to moderate reactions** such as swelling, itchiness, and redness may occur shortly after the procedure or around **7-10 days later as collagen synthesis begins**.

These are part of the body's **natural immune response** and usually **resolve on their own within a few days**.

Additionally, if swelling or an allergic reaction occurs after the procedure, follow your doctor's instructions on using antihistamine or a short course of corticosteroids.

If symptoms become **severe of bothersome**, please **consult doctor for further guidance**.

Precautions

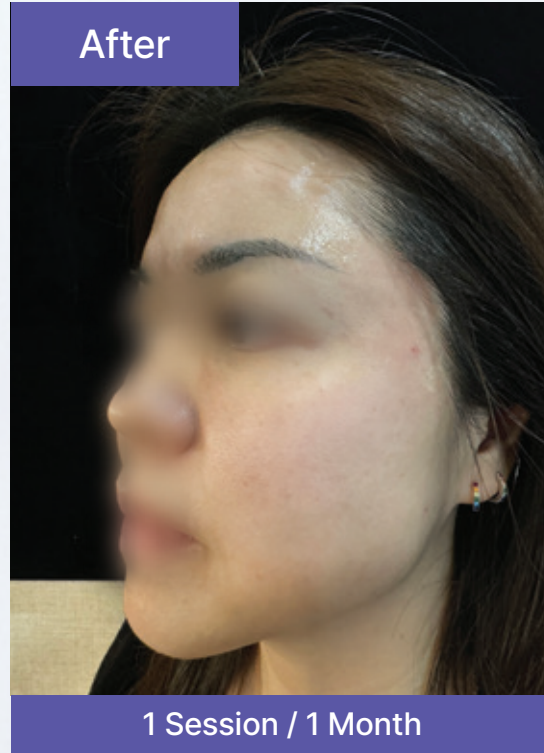
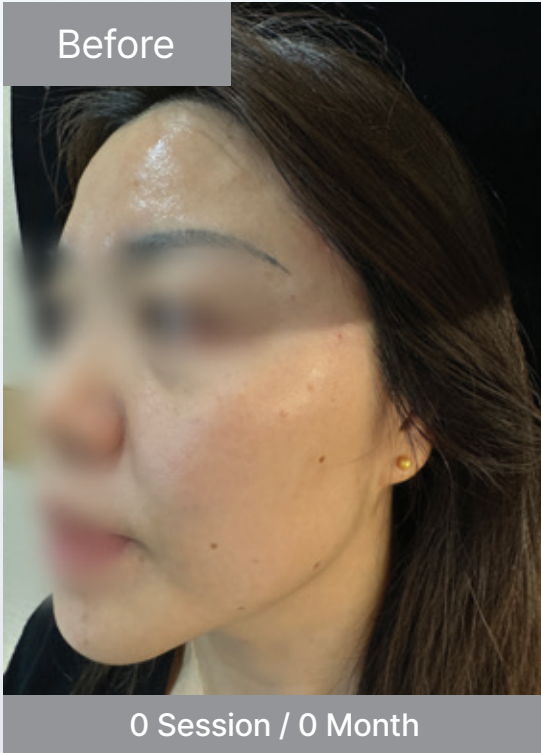
- Avoid exposure to heat and radiation (sauna, sun), swimming/bathing, and alcohol consumption for the first 24 hours.
- Perform an aspiration probe before injection to minimize the risk of bruising.
- Mixing with other products is not recommended.
- Do not inject the product superficially.
- Avoid blood vessels while injecting and take special care when you treat under eyes.
- Avoid injecting the product at least one month before or after receiving the COVID-19 vaccine, or any influenza-like illness.



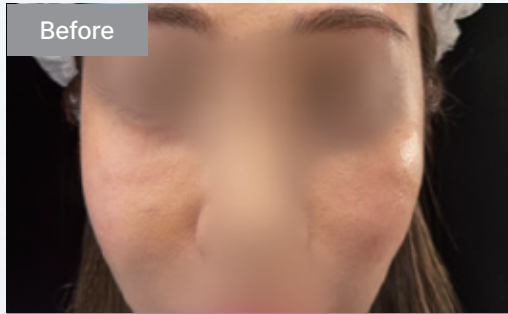
Before & After Case of Wrinkle Improvement



Before & After Case of Facial Rejuvenation

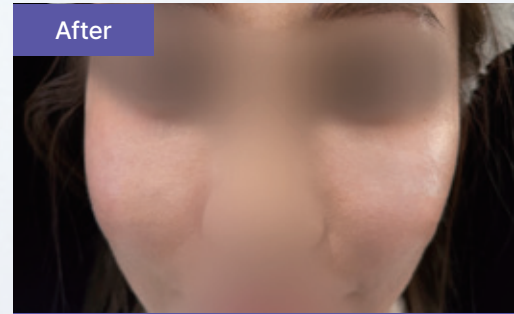


Before & After Case of Elasticity Improvement



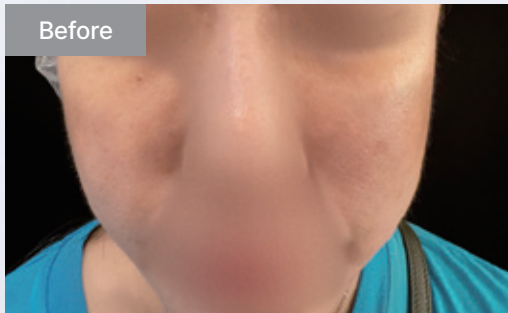
Before

0 Session / 0 Month



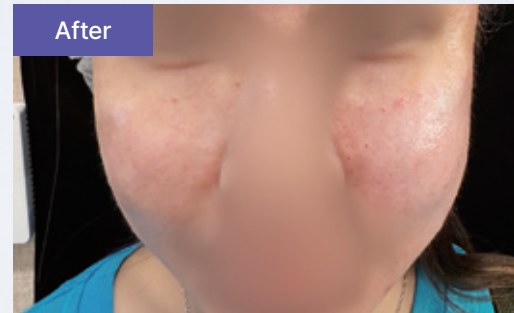
After

1 Session / 1 Month



Before

0 Session / 0 Month



After

1 Session / 1 Month



Before

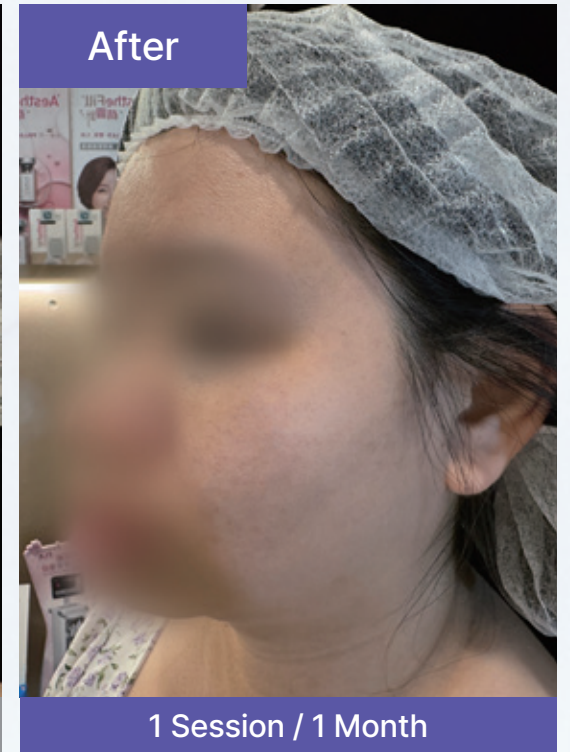
0 Session / 0 Month



After

1 Session / 1 Month

Before & After Case of Pore Improvement



Product Specification



Package Box



Instruction for Use



Pre-filled Syringe

Ingredient	Main : Polycaprolactone (PCL) 210mg Additives : Sterilized Water for Injection (SWFI)
Injection Depth	Deep Dermis
Package Units	1 Pre-filled Syringe / 1 Box
Volume	1.0 ml
Formulation	Liquid PCL Type (100% Solution, Particle-free)
Technology	CESABP Technology (ISO 13485 & CE Certified)
Storage	5~25°C
Duration	24 Months



NEO美

Refined Beauty, redefined.
Reveal the New You — with NEOME.

NeoGenesis Co., Ltd.

Address | #307, Think Factory Bldg. C, 150 Yeongdeungpo-ro,
Yeongdeungpo-gu, Seoul, South Korea (07292)

Tel | +82 2-583-1348

Fax | +82 2-2038-0848

Email | info@neogenesis.co.kr

Web Site | <http://www.neogenesis.co.kr/eng/>