

Filler and Toxin

Before
(2025-07-23)



Application site

High ↘

- Nose
- Nose Tip
- Nasolabial Folds
- Chin

Rose ↗

- Tear Troughs
- Lips

Botulinum toxin ↙

- Temporalis
- External Pterygoid
- Masseter
- Sternocleidomastoid

After
(2025-07-23)



Hyaluronic Acid Dermal Filler

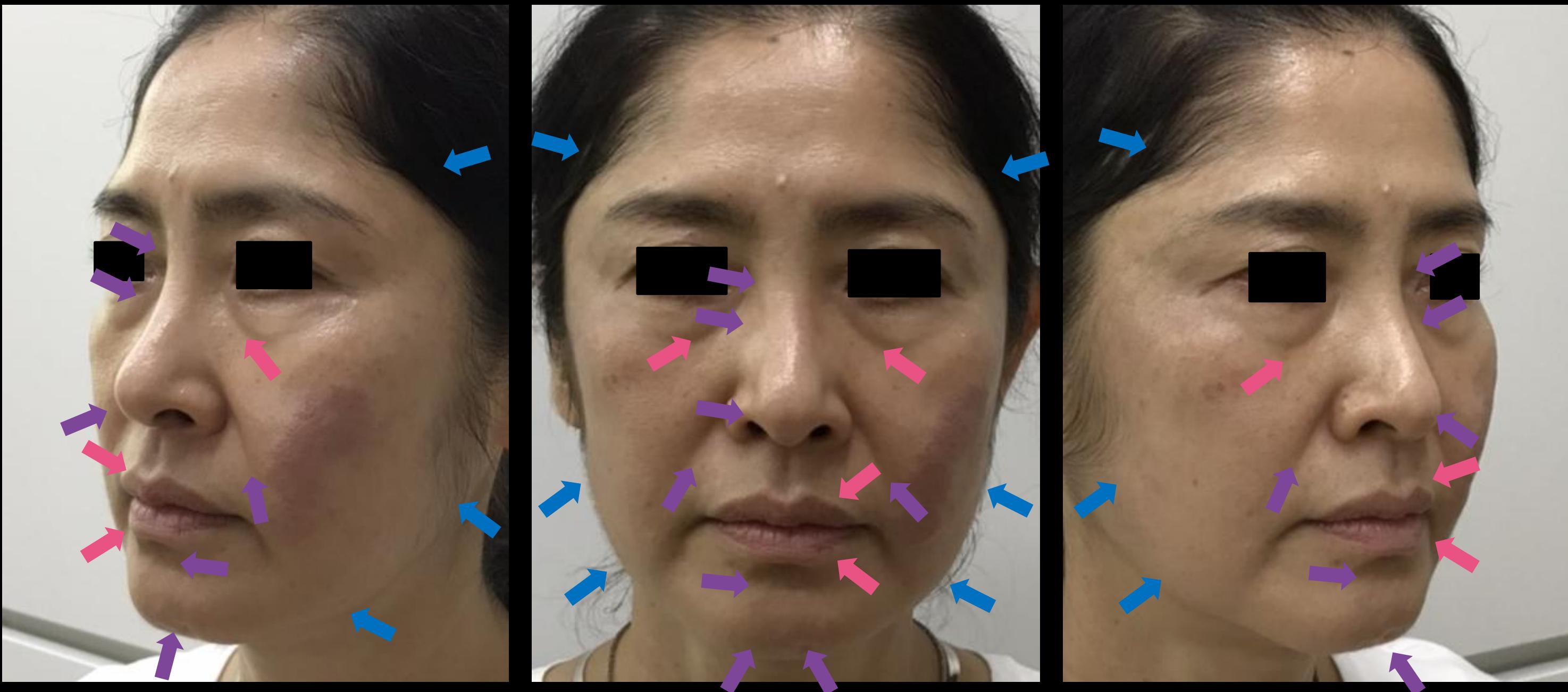
MONALISA

Long-term Volume Up



3p filler VOD 1

Before
(2025-07-23)



Application site

High ↘

- Nose
- Nose Tip
- Chin
- Nasolabial Folds

Rose ↗

- Tear Troughs
- Lips

Botulinum toxin ↙

- Temporalis
- External Pterygoid
- Masseter
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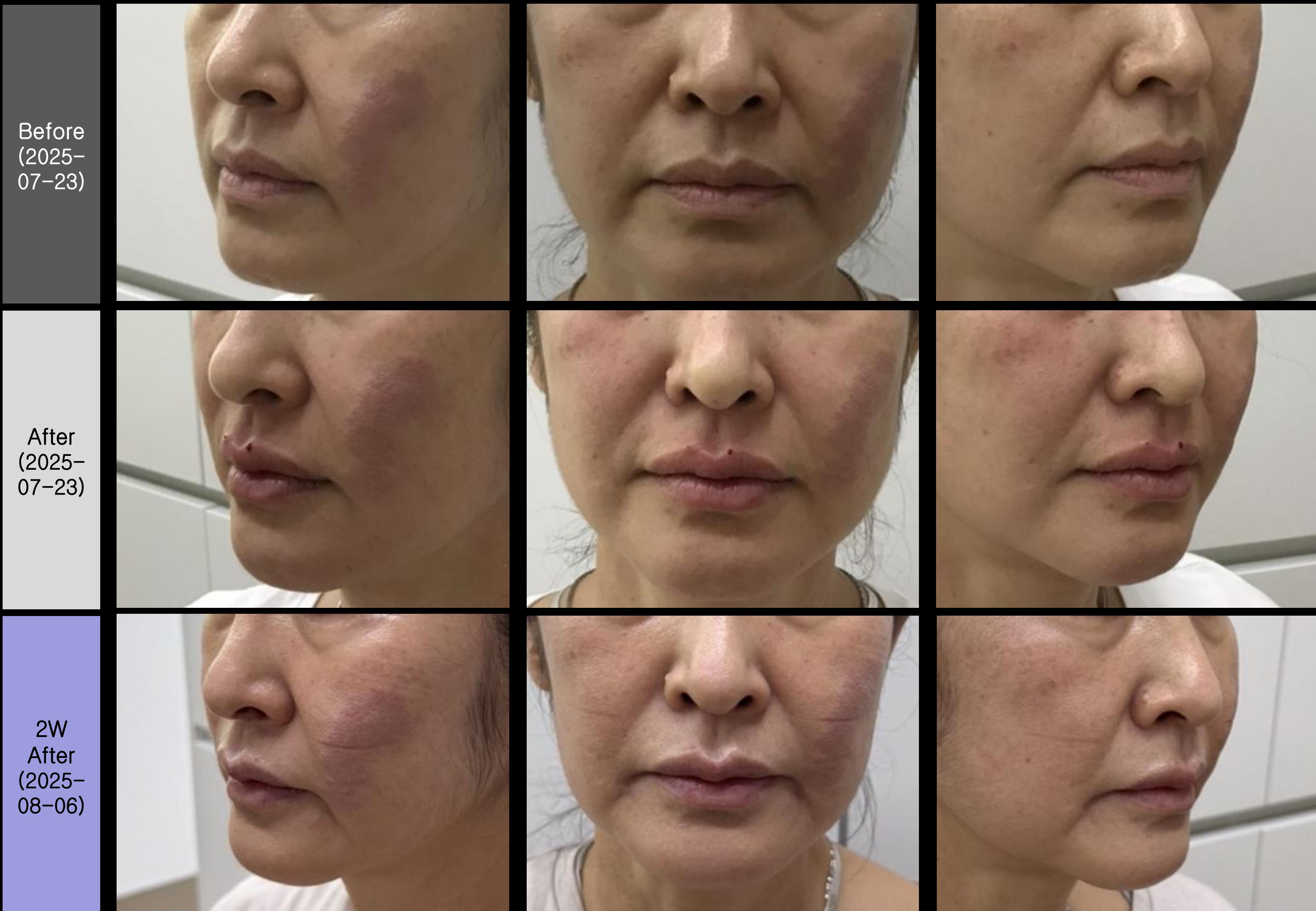
2W
After
(2025-08-06)



Clinical case : Nose, Nose tip, Tear Troughs

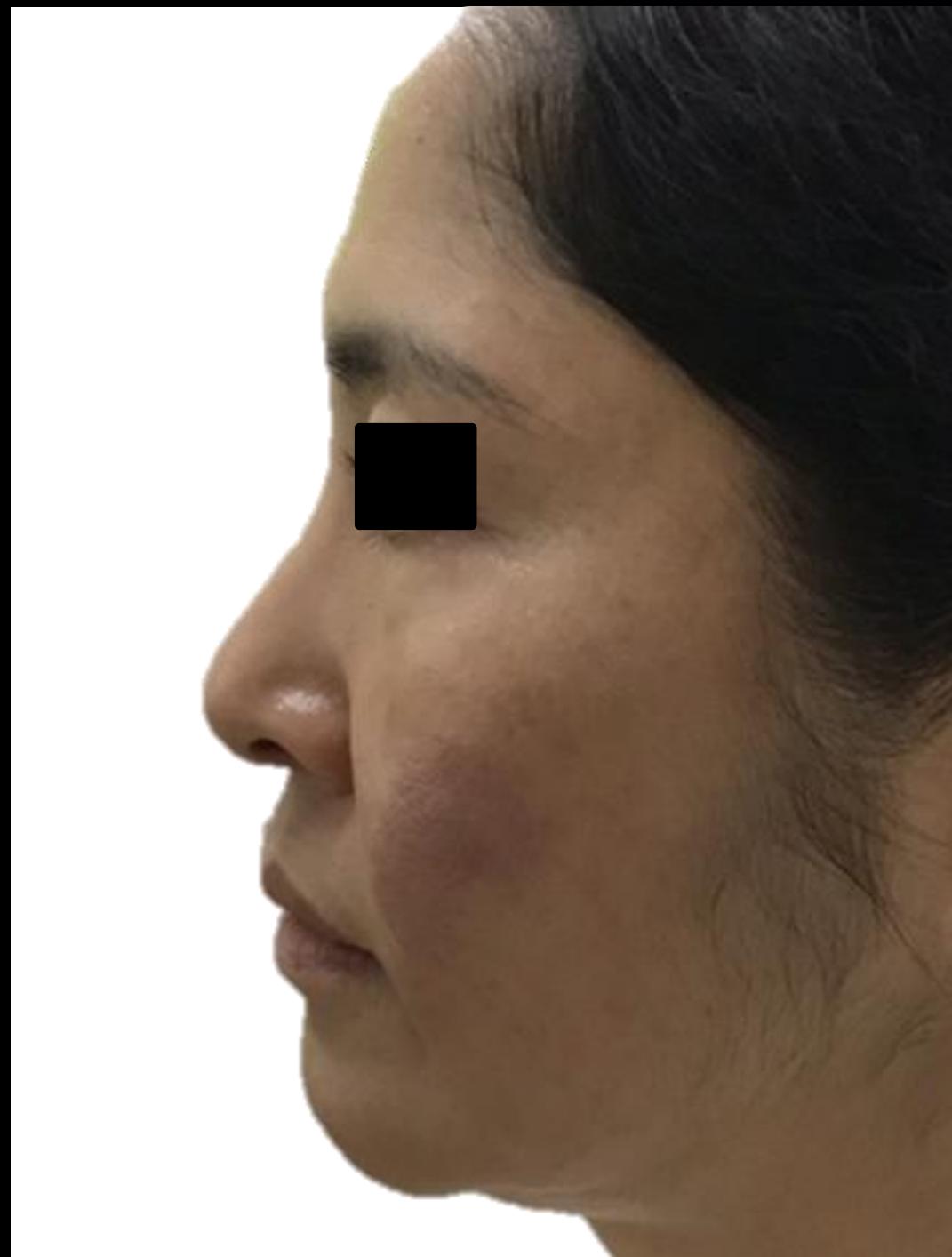


Clinical Case : Nasolabial Folds, Lips, Chin



The left side

Before (2025-07-23)



After (2025-07-23)

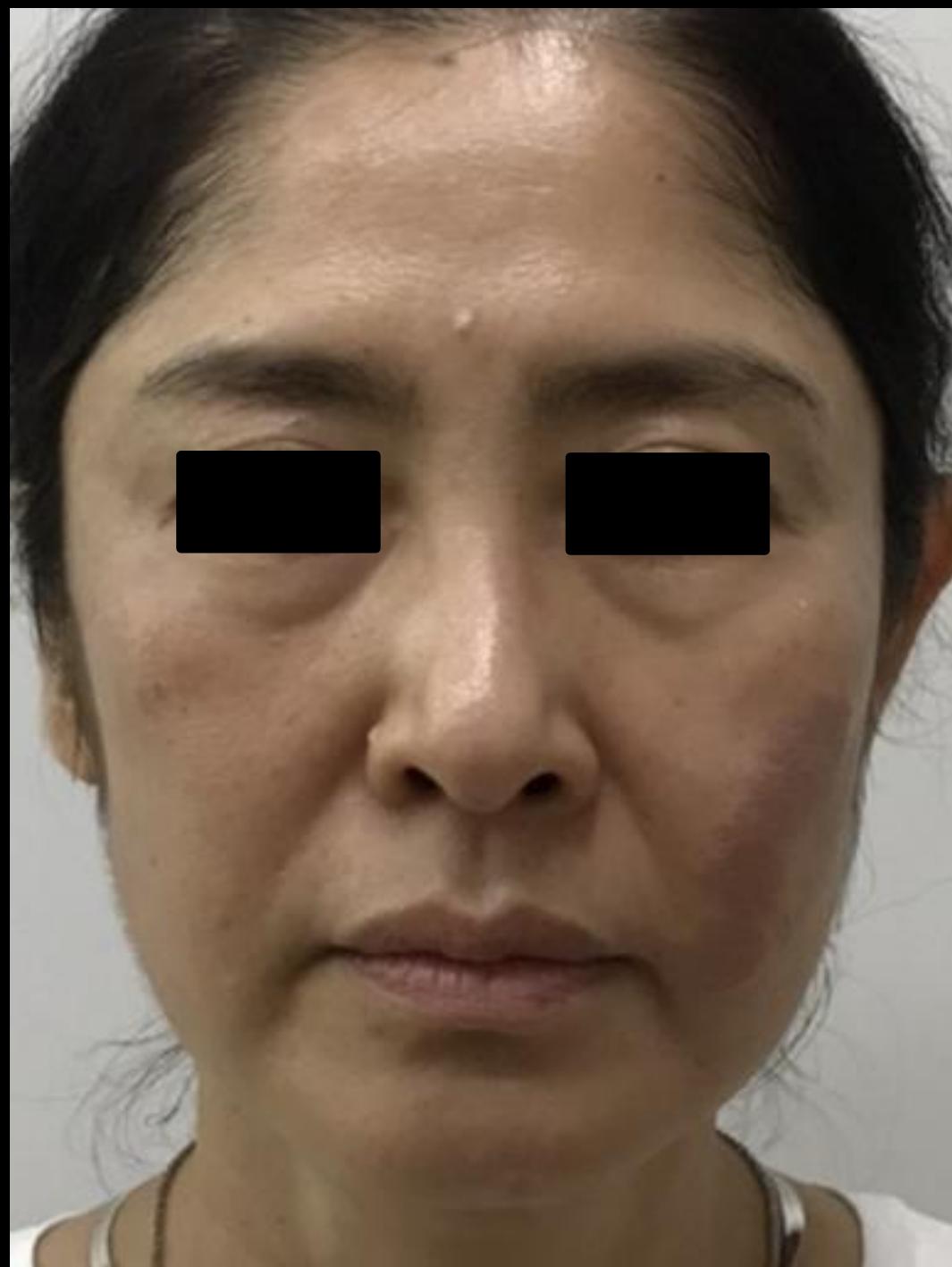


2W After (2025-08-06)



The front of

Before (2025-07-23)



After (2025-07-23)



2W After (2025-08-06)



The right side

Before (2025-07-23)



After (2025-07-23)



2W After (2025-08-06)



Clinical case : Nasolabial folds & Marionette Line & Lip



Before & After



Before & After



Hyaluronic Acid Dermal Filler

MONALISA

Long-term Volume Up



13p filler VOD 2

Why Botox?

Actions of Botulinum toxin

Botulinum toxin은 신경 말단의 말초 신경계(peripheral nervous system)에서 일시적으로 acetylcholine 분비를 막는다.
중추 신경계(central nerve system)에는 작용하지 않는다.
신경 말단에서 acetylcholine 분비를 막으면
근육의 움직임이 멈추는 근육의 이완성 마비가 일어난다.
또 피부에서 땀샘과 오일샘의 기능을 멈춰 땀과 오일의 분비가 일어나지 않는다.
이런 효과들을 치료와 미용 성형과 결합시켜 사용한다.



Botox

Brand name of botulinum toxin type A

Produced by bacterium Clostridium botulinum

Indications

Wrinkle reduction

Chronic migraines

Cerebral palsy

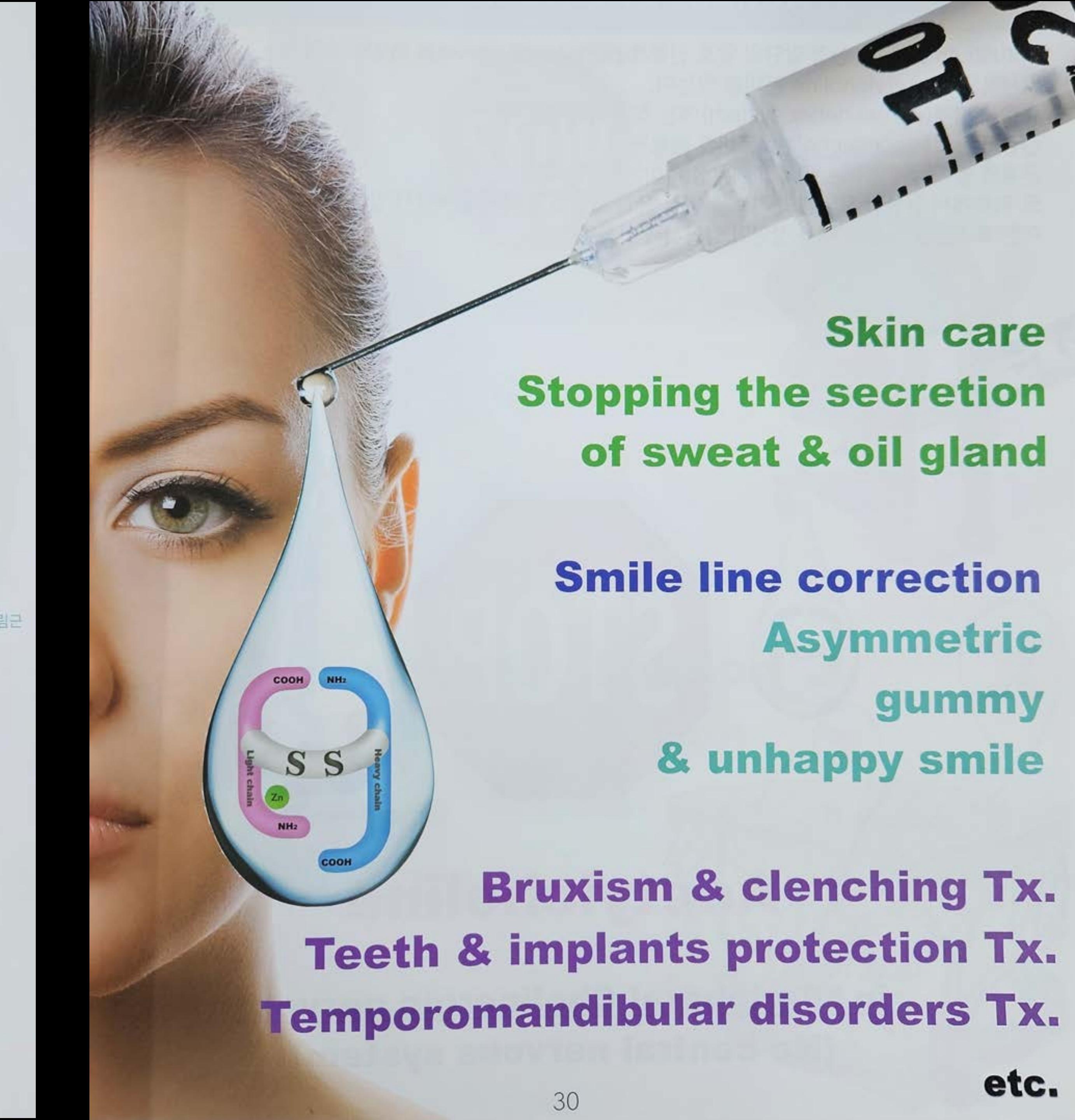
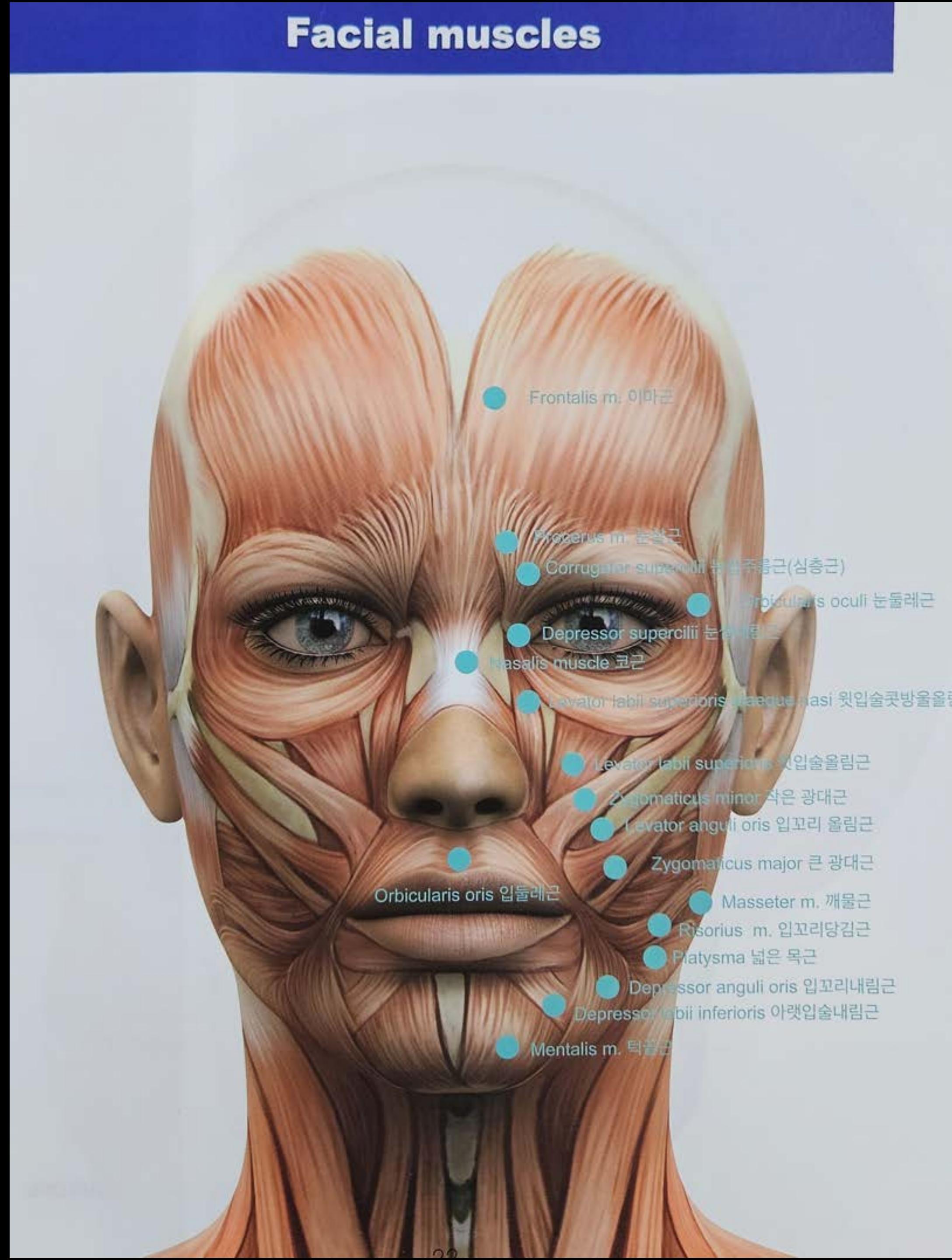
How it works

Block nerve signals to muscles contracting

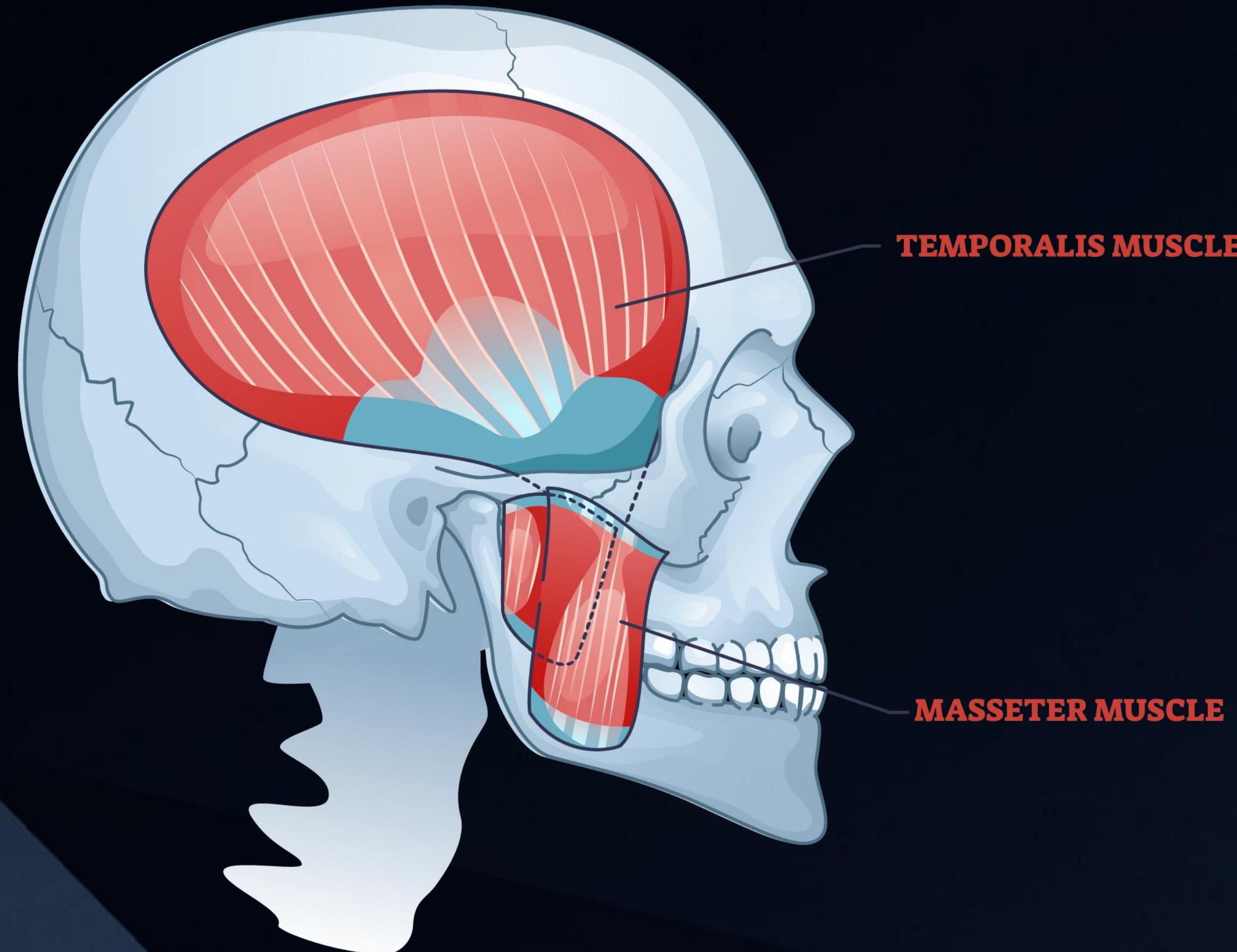
Wrinkles softening

Prevent muscle spasms or sweating

Facial muscles



Botox



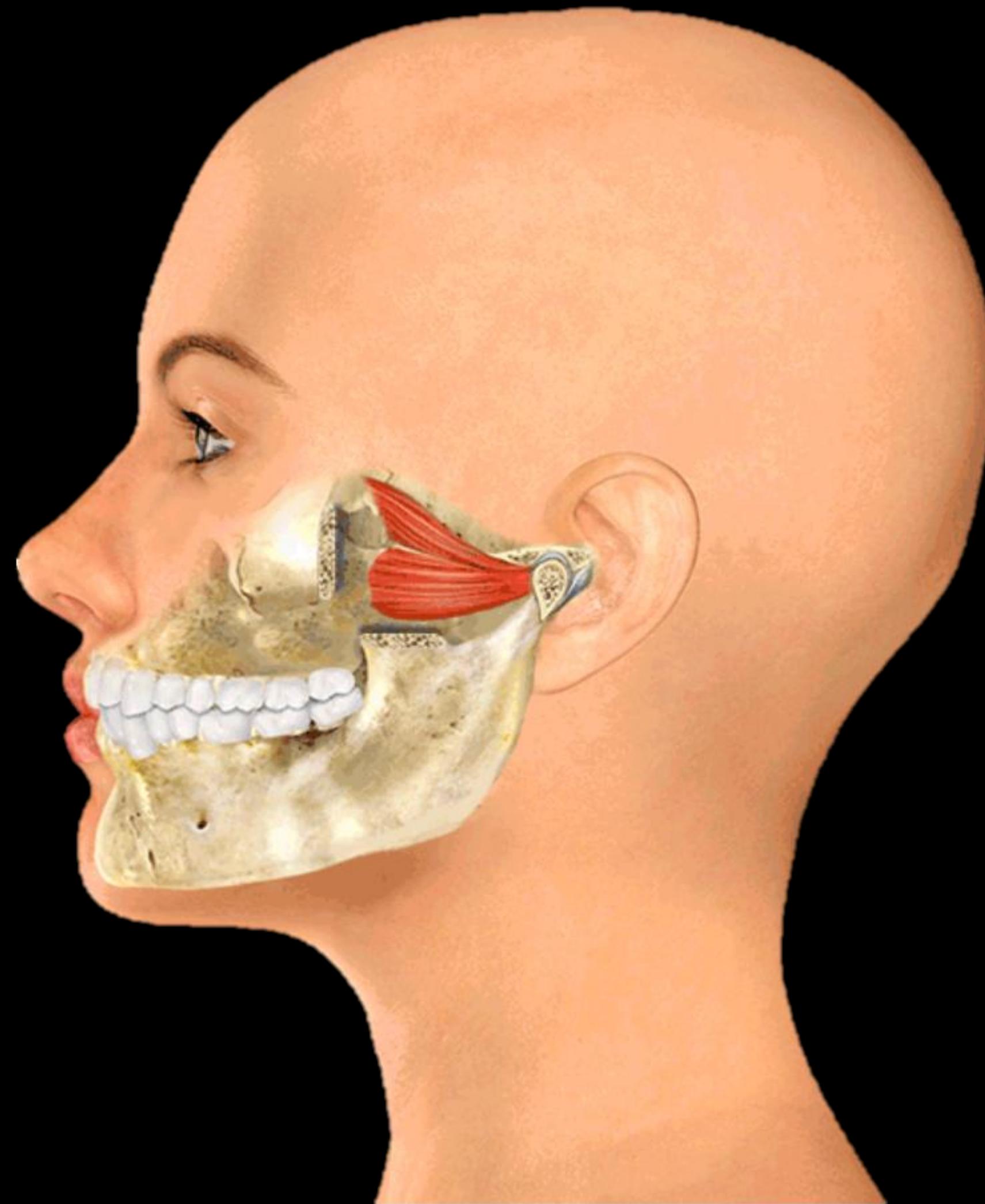
Traditionally focused
on jaw-closing muscles

Limited to the masseter and
temporalis muscles

- **Lateral Pterygoid**

The lateral pterygoid is a muscle that moves your jaw side-to-side and front and back.

This is the muscle that gets very sore when people grind their teeth.



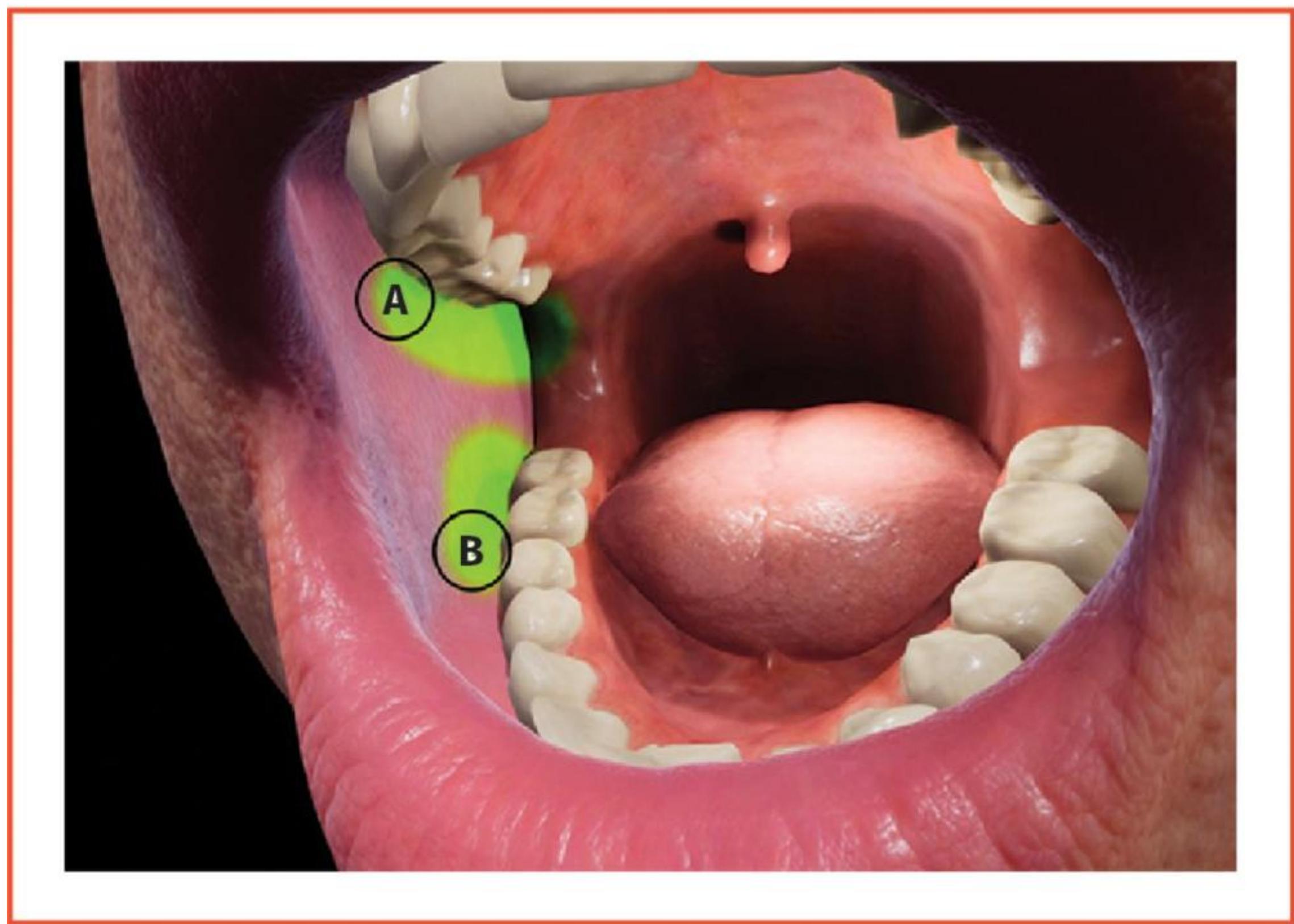


Figure 1. Areas of lateral and medial pterygoid muscles to palpate intraorally to assess for tenderness related to otalgia: “A” indicates the area for superior and posterior palpation behind the last molars, localizing the lateral pterygoid muscle; “B” indicates the area for inferior and posterior palpation of the oral cavity along the medial aspect of the mandible, localizing the medial pterygoid muscle.

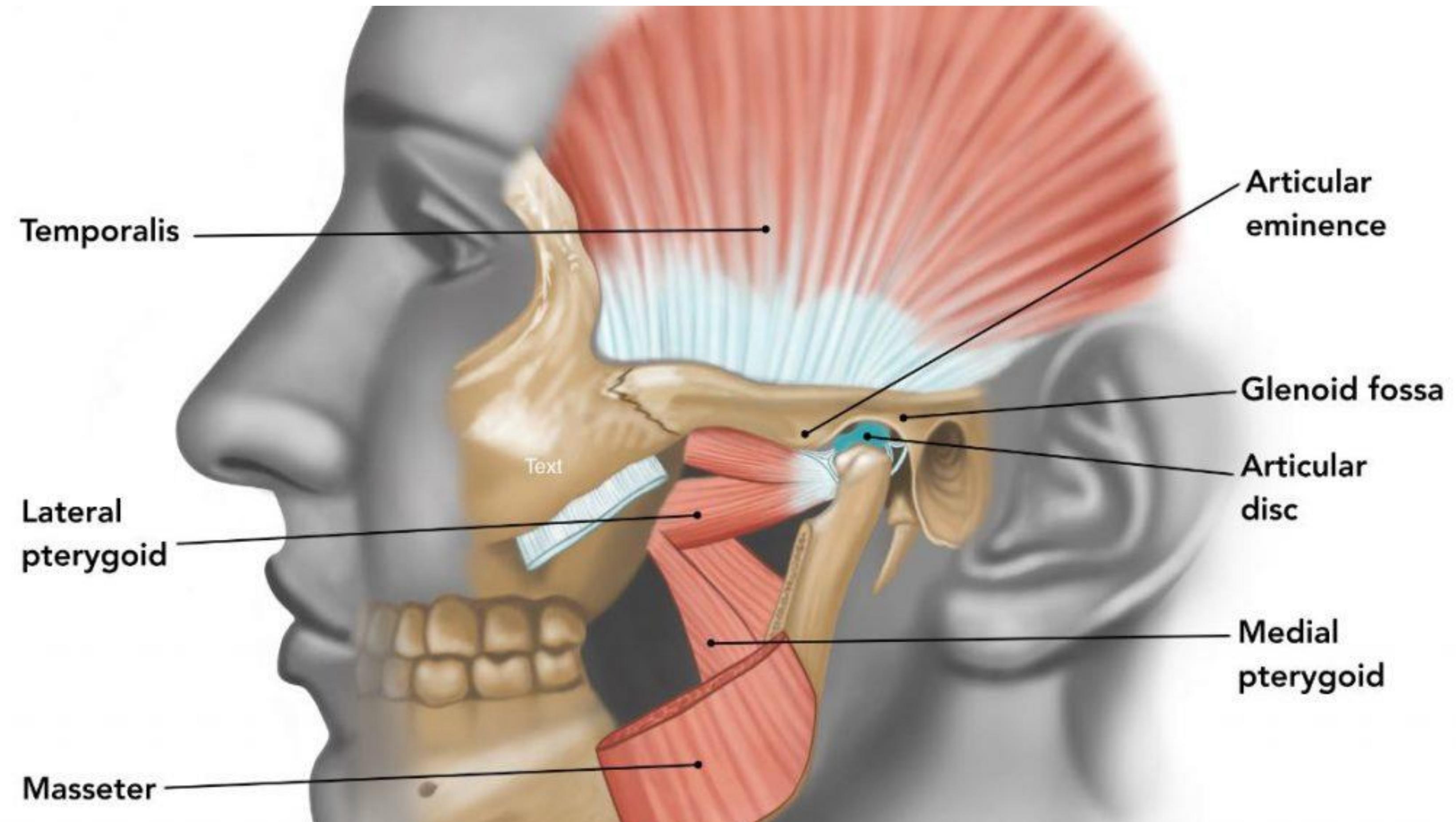
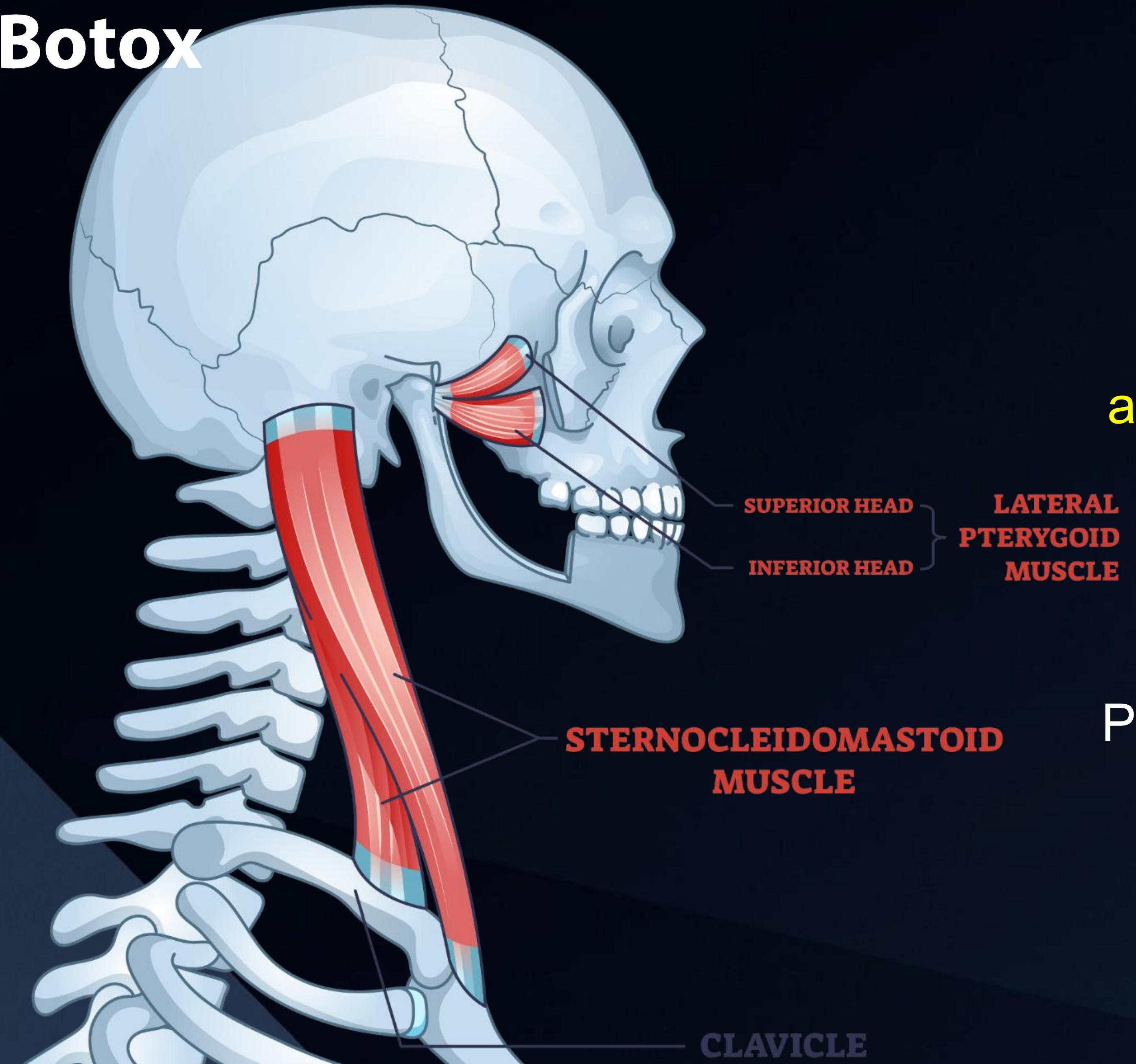


Photo Courtesy of Dr. Liam Moore

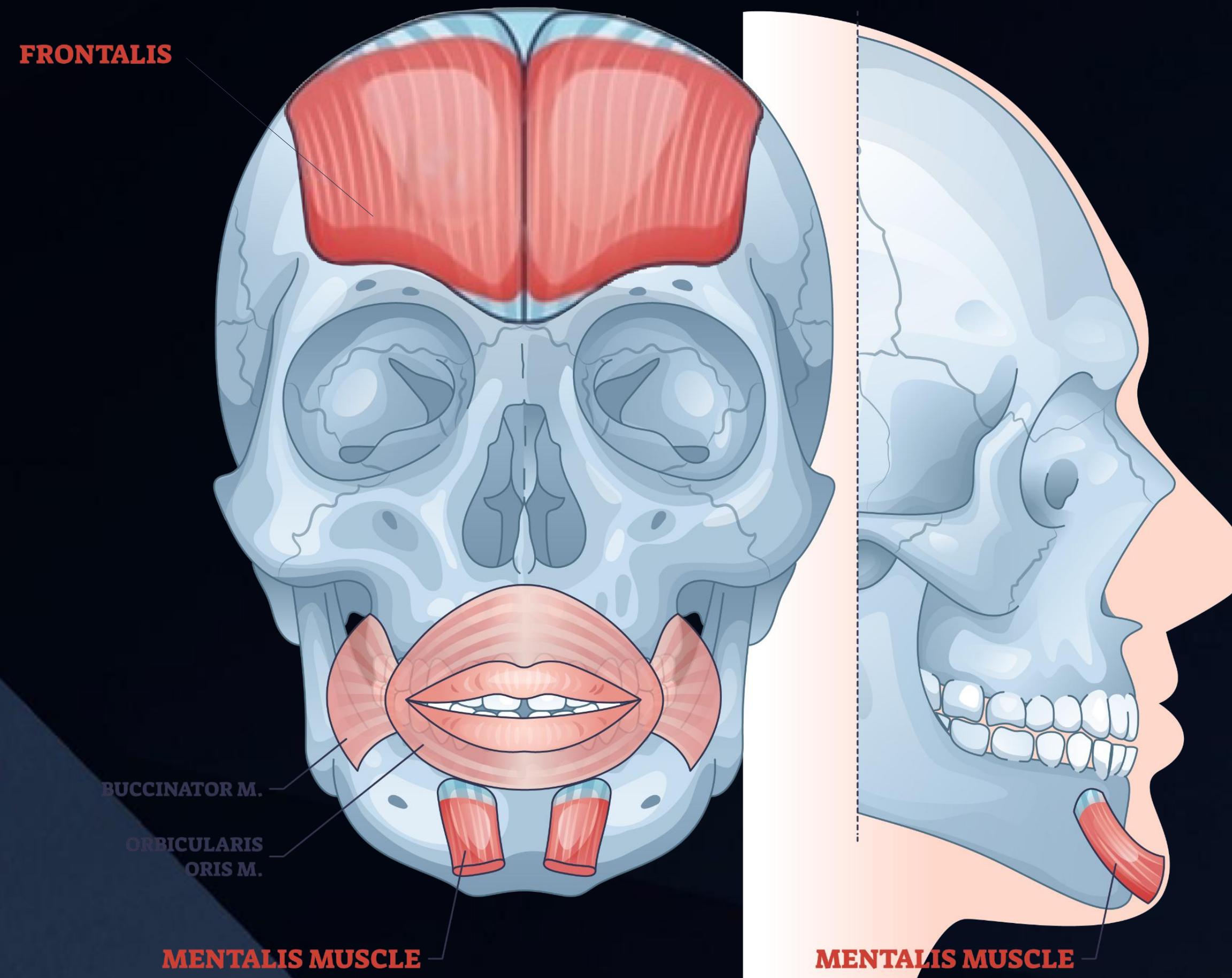
Botox



Expanded to include
External pterygoid muscle
and **Sternocleidomastoid muscle**

Presenting various clinical options
for temporomandibular and
neck muscle disorders

Botox



Glabellar and forehead line correction aimed at balanced brow and forehead harmony

Reducing dynamic wrinkles and puckering in the chin area

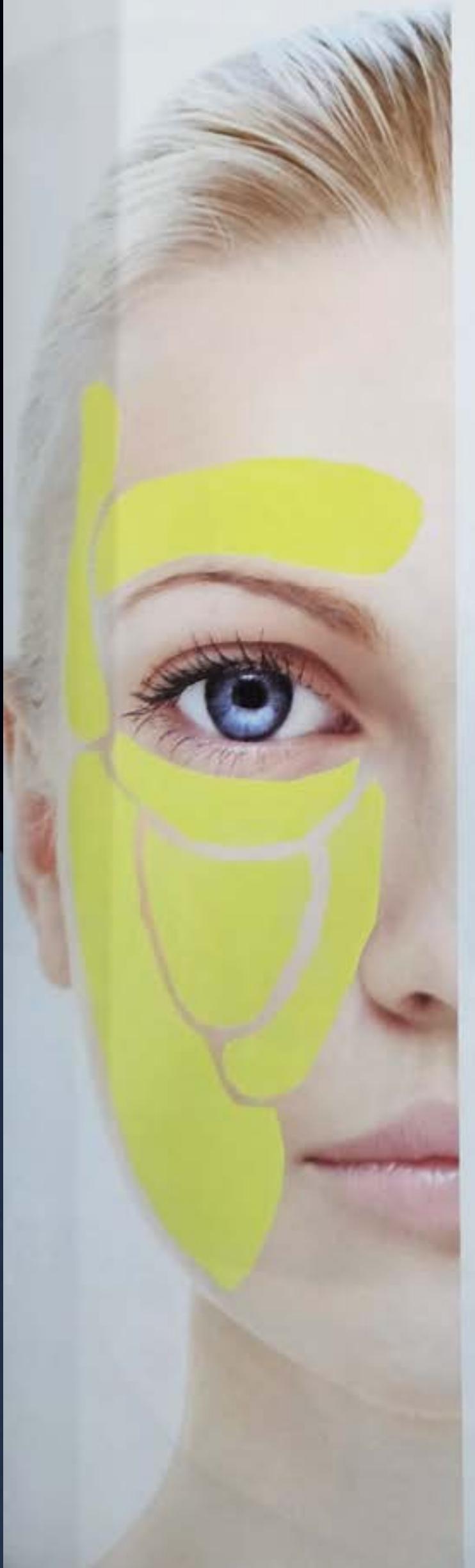
Botulinum toxin injection & Jaw management



24p TMJ PDRN VOD 1,2

Why at now Filler ?

Aged person wrinkle



Targets of filler injection

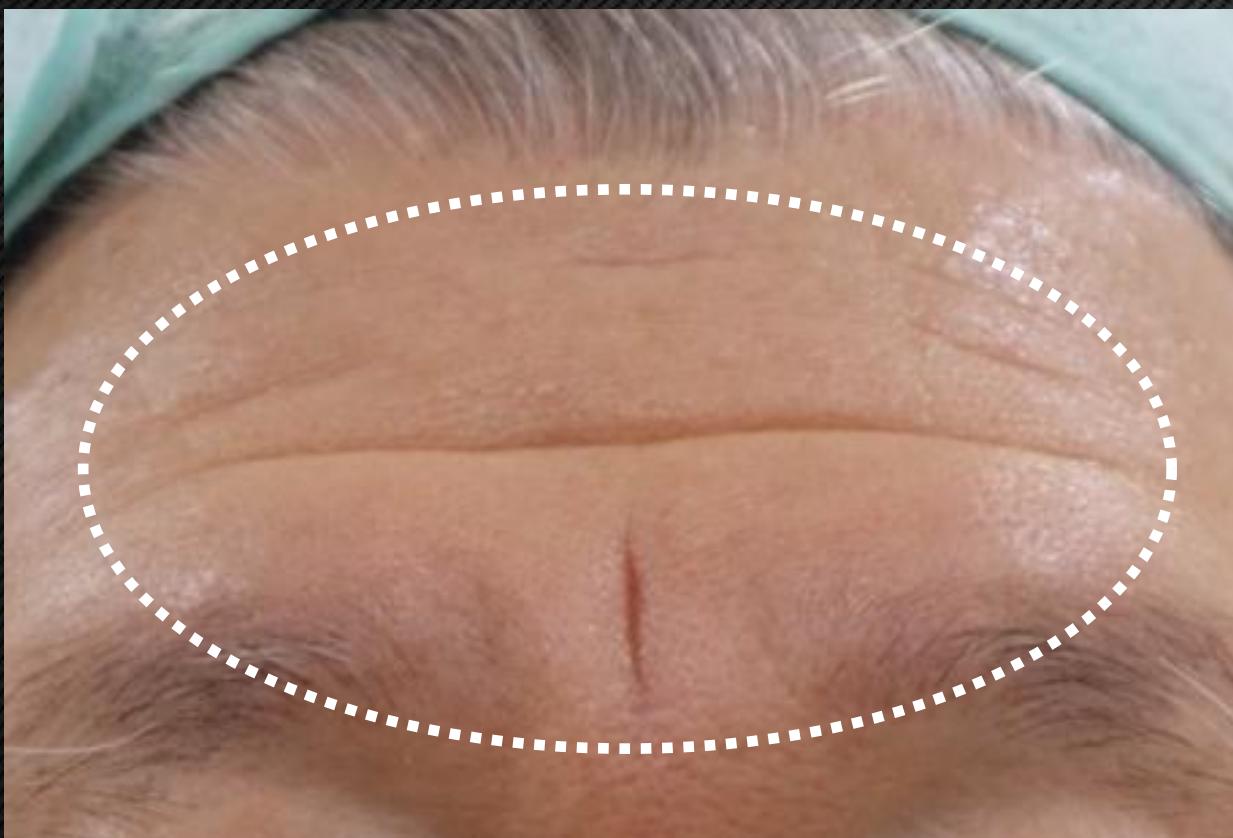
Esthetic for **young age** - augmentation

Self confidence for **aged** -
filling the space and reduce the wrinkles

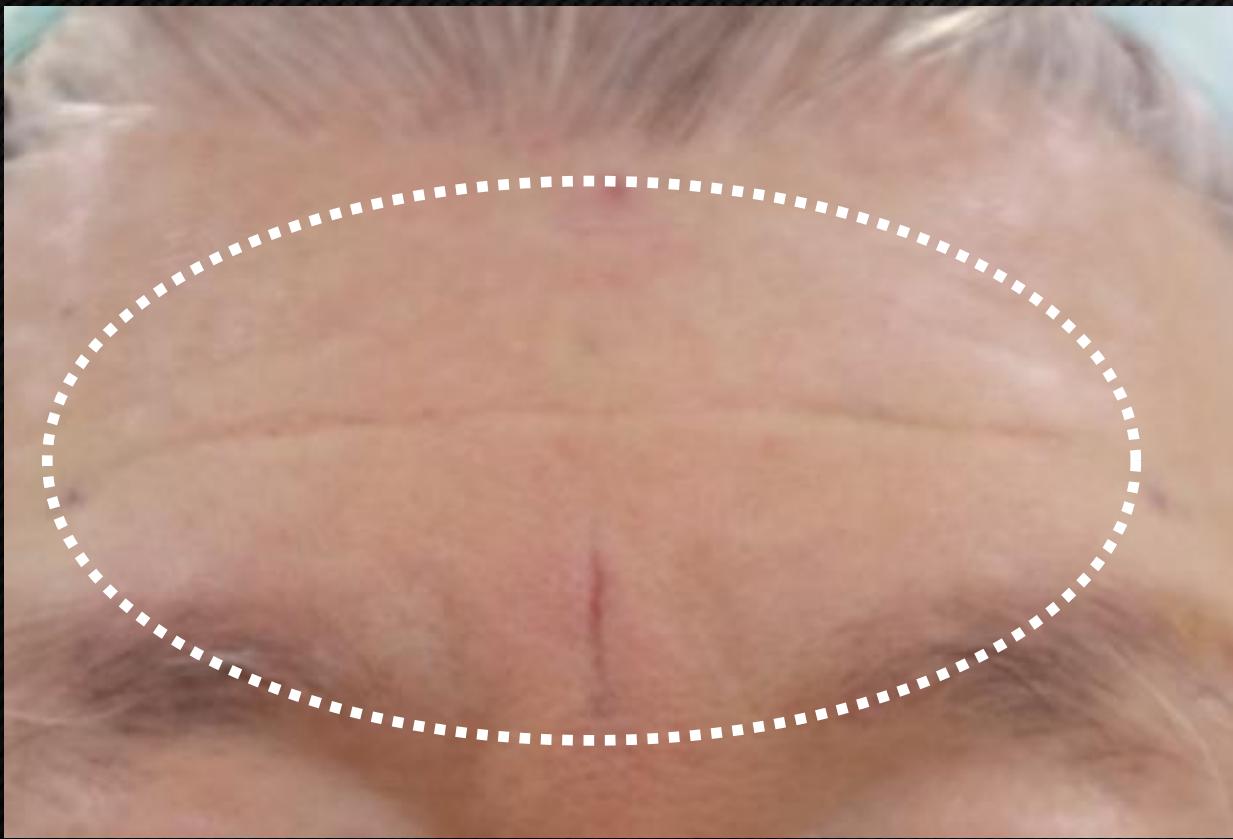
Clinical Case: Forehead

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Before



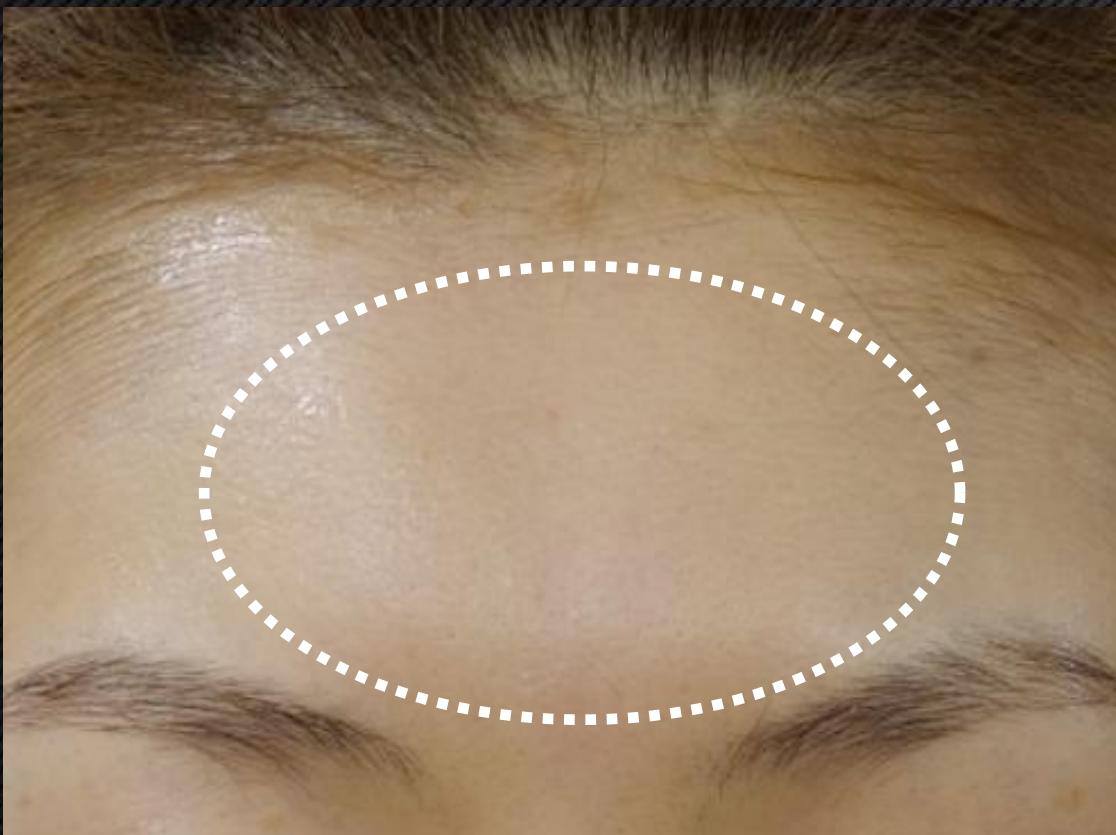
After



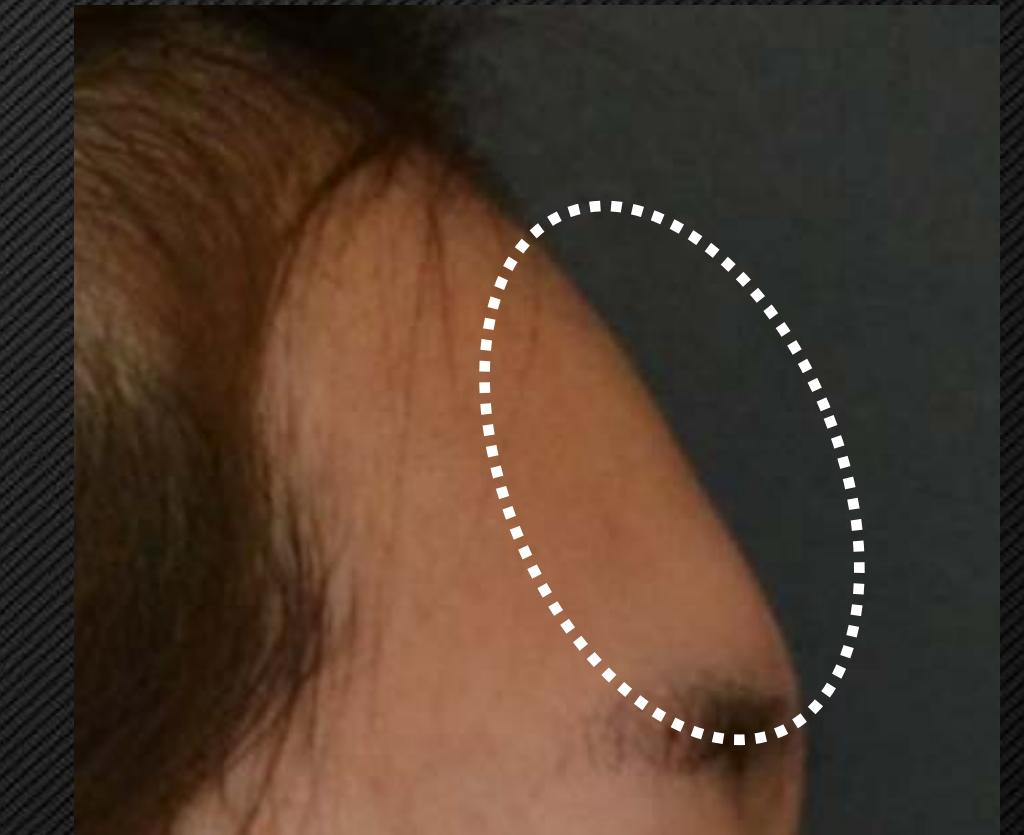
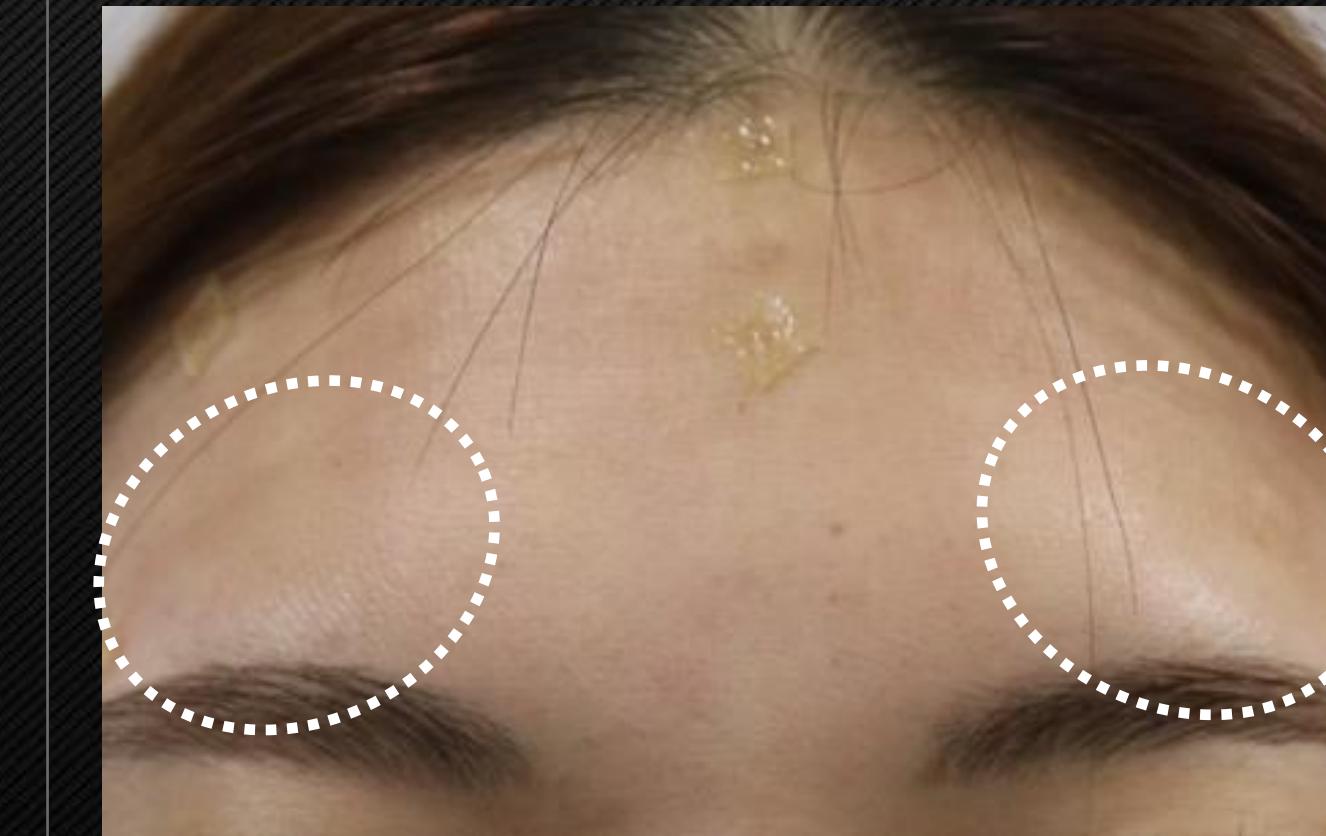
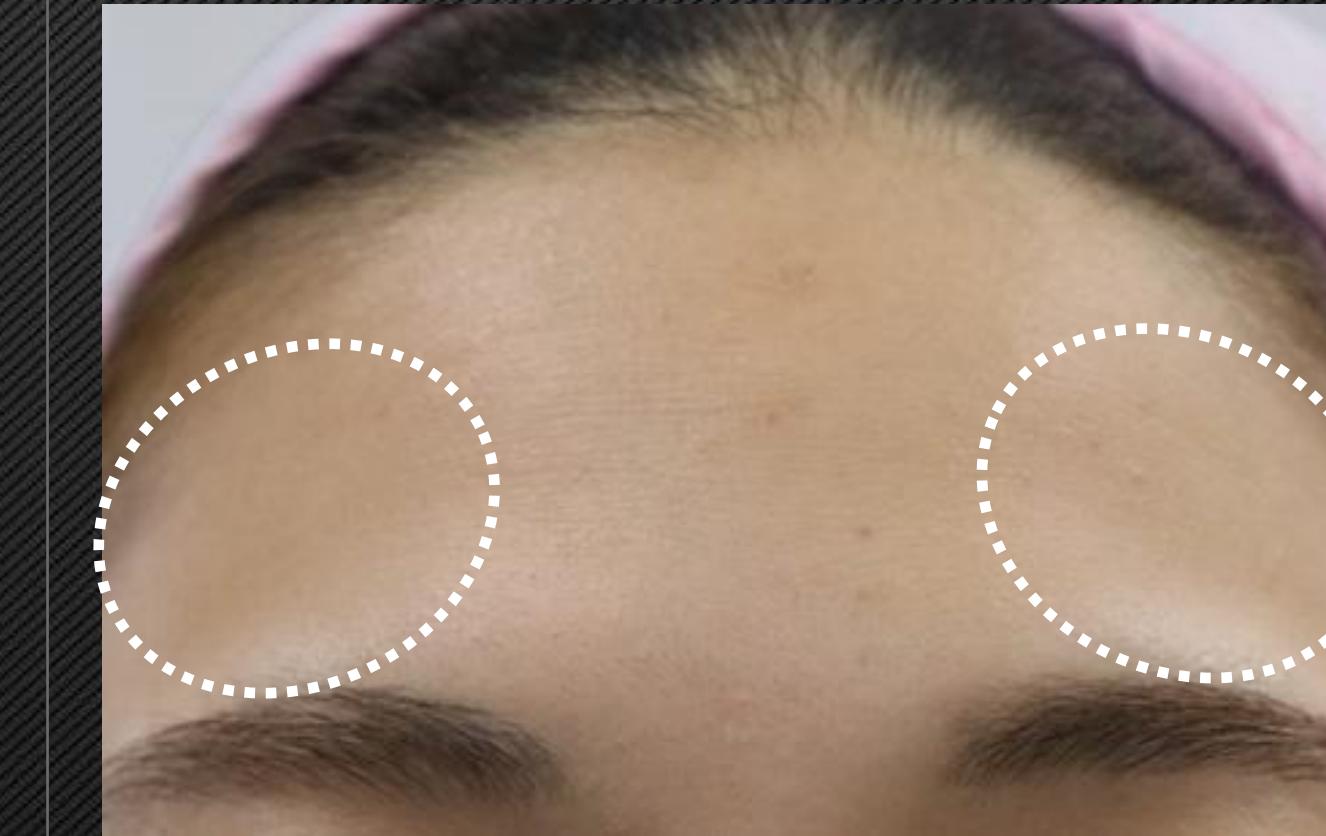
Clinical Case: Forehead

MONALISA

Before



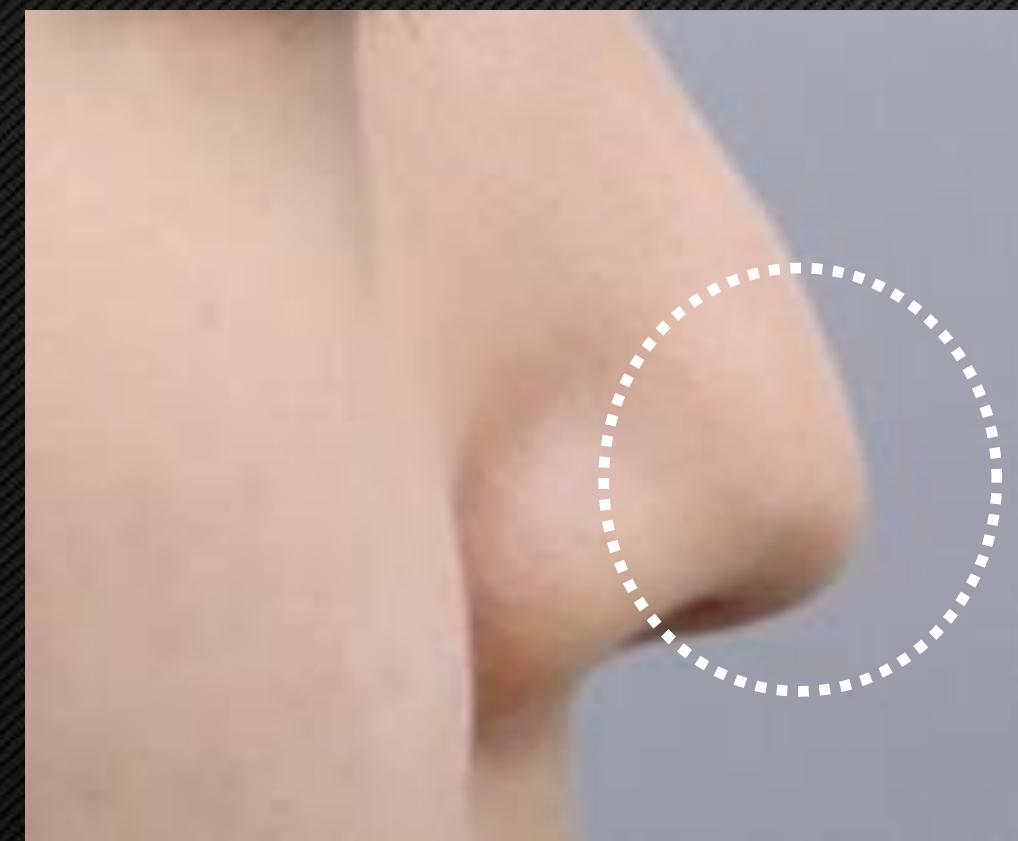
After



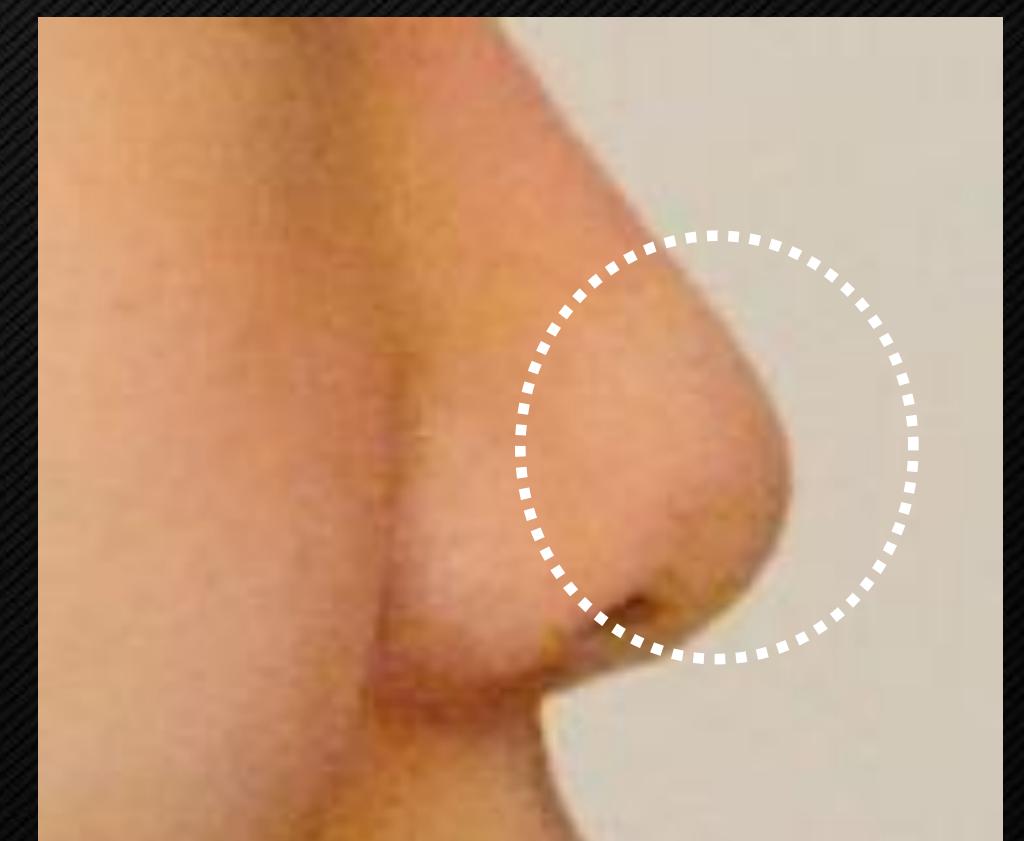
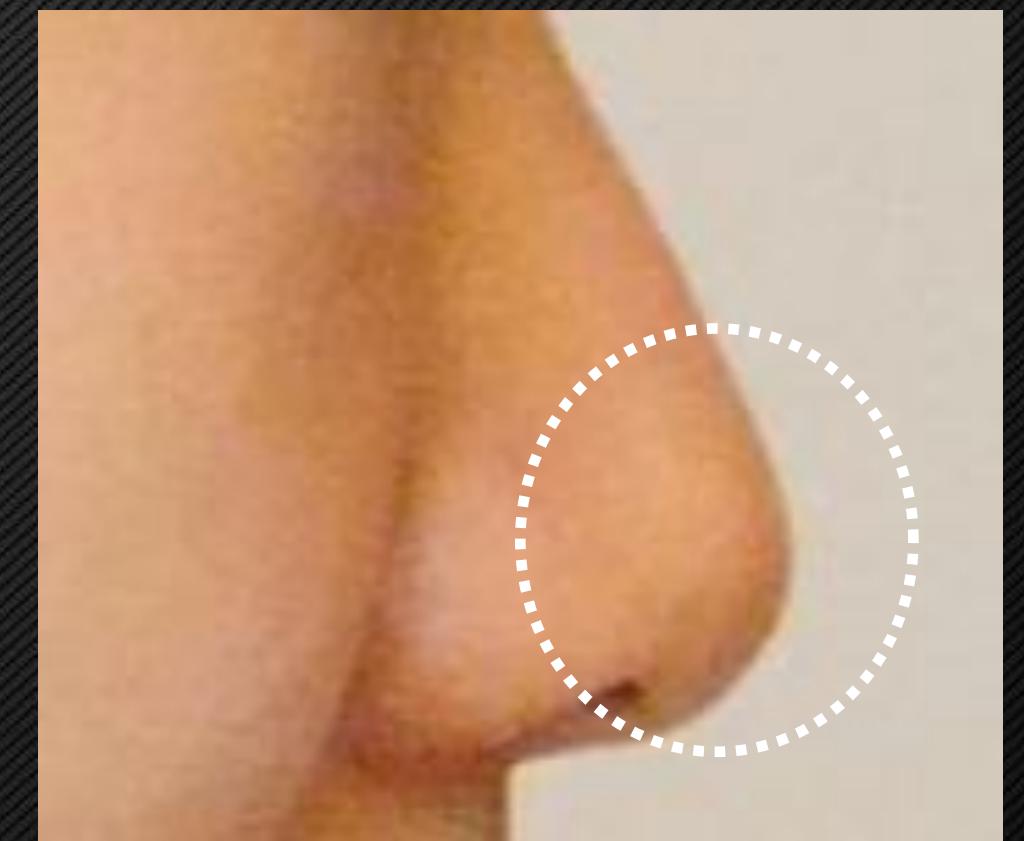
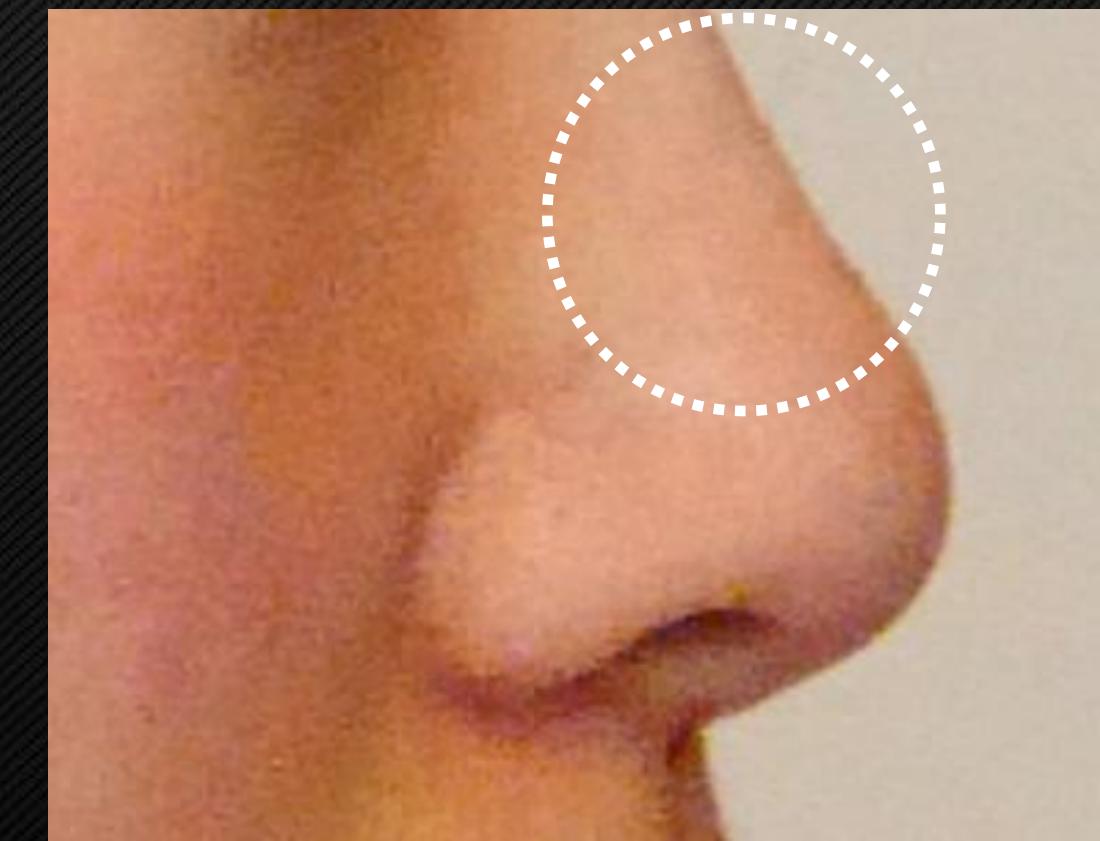
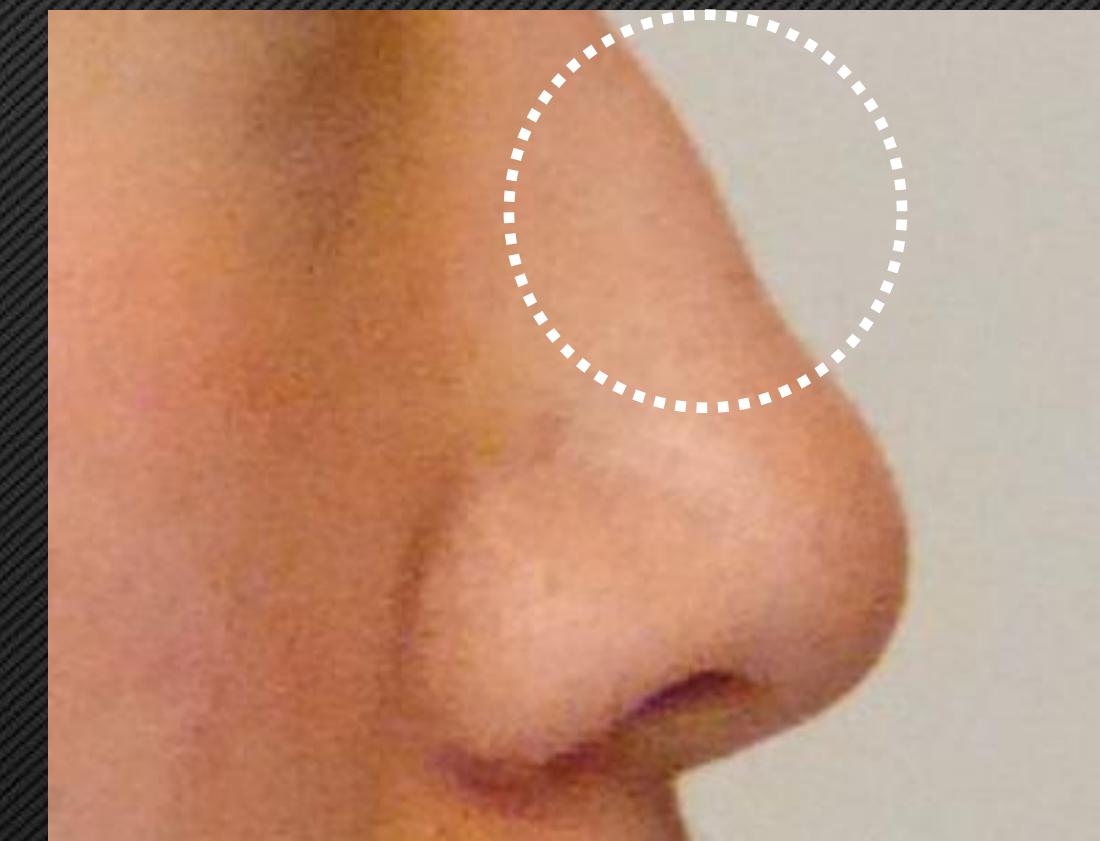
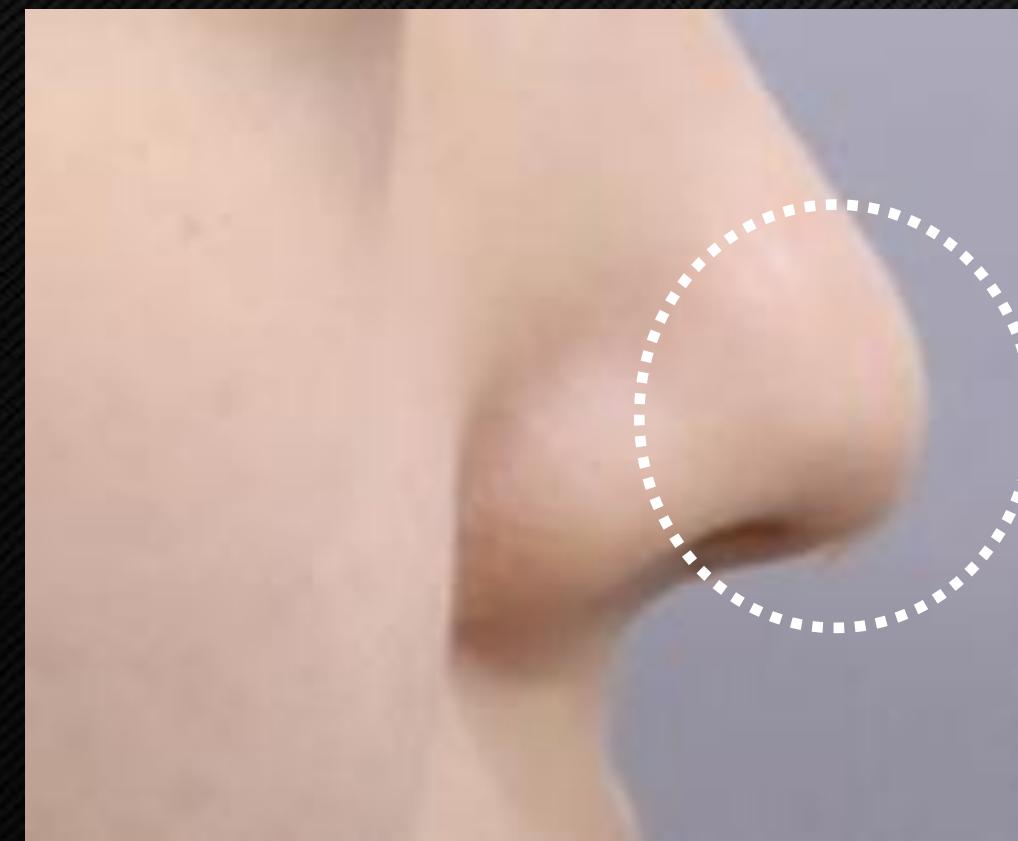
Clinical Case: Nose

MONALISA

Before



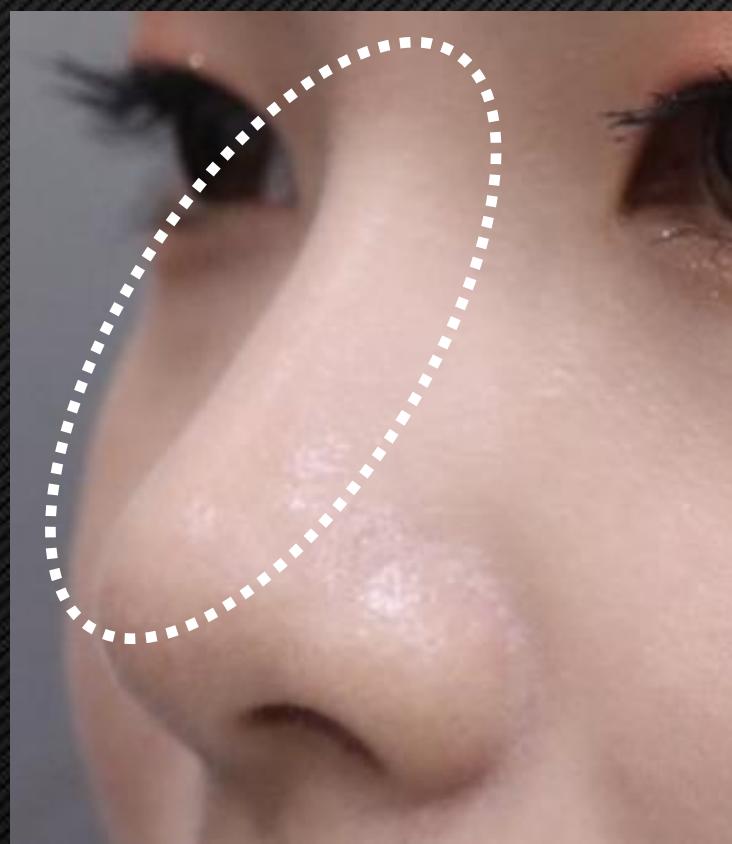
After



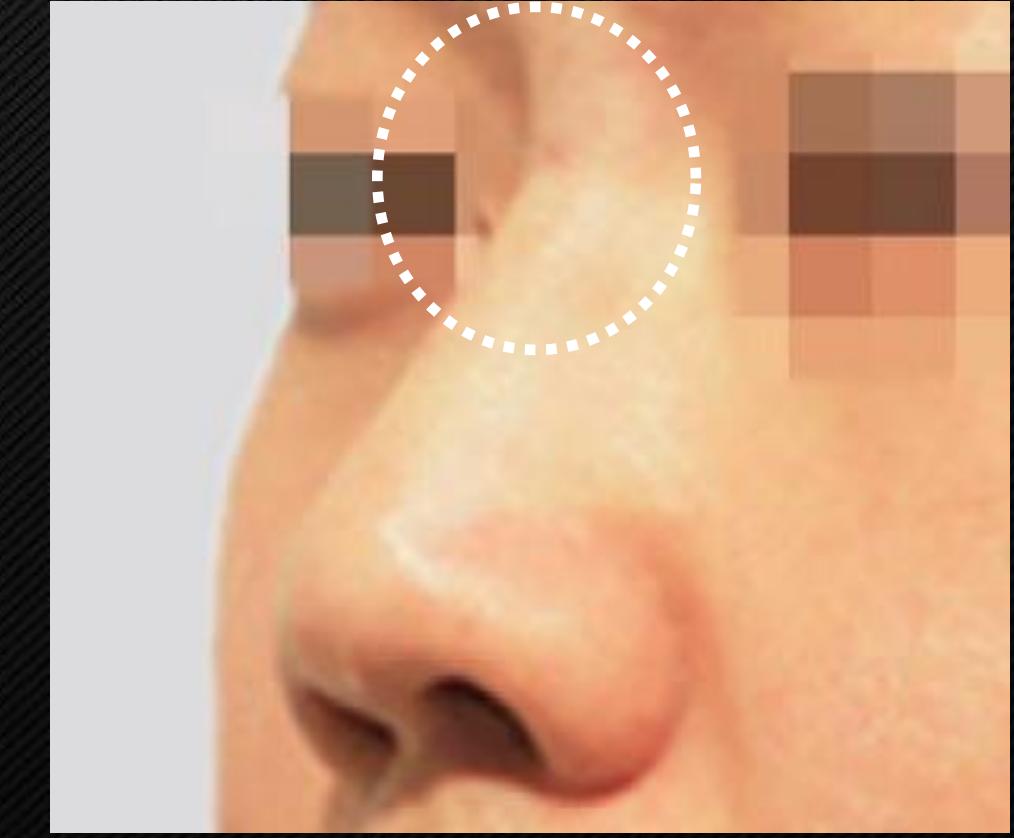
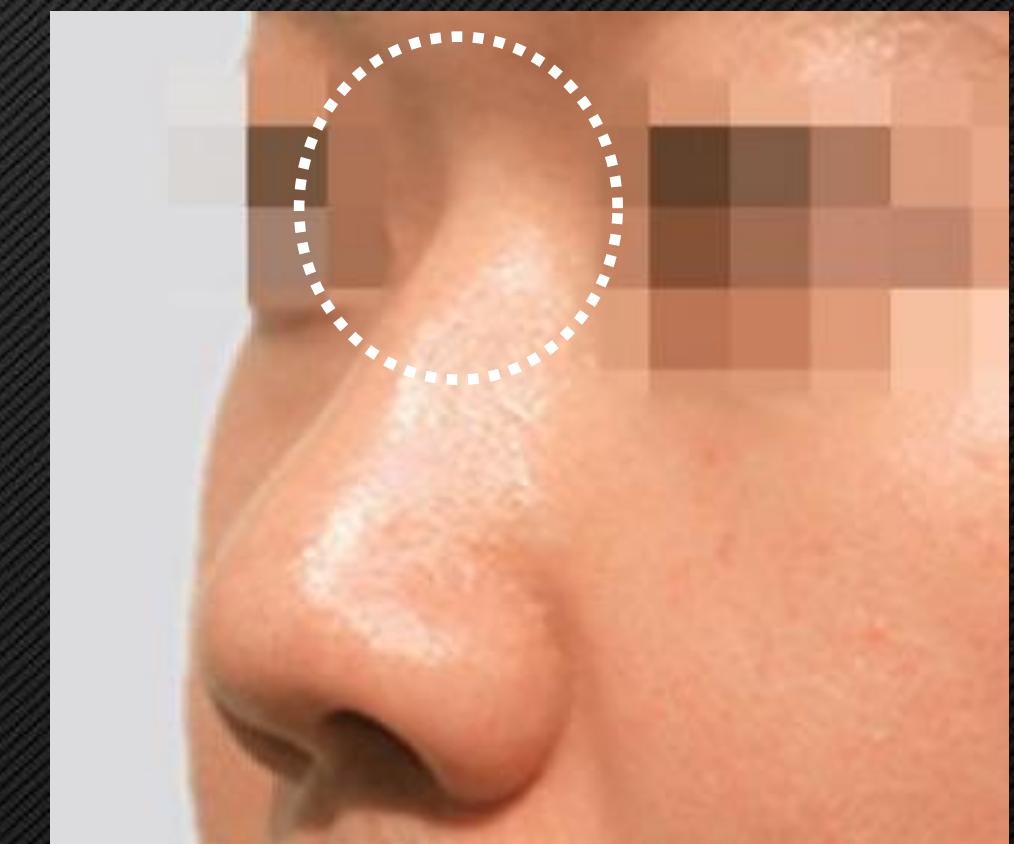
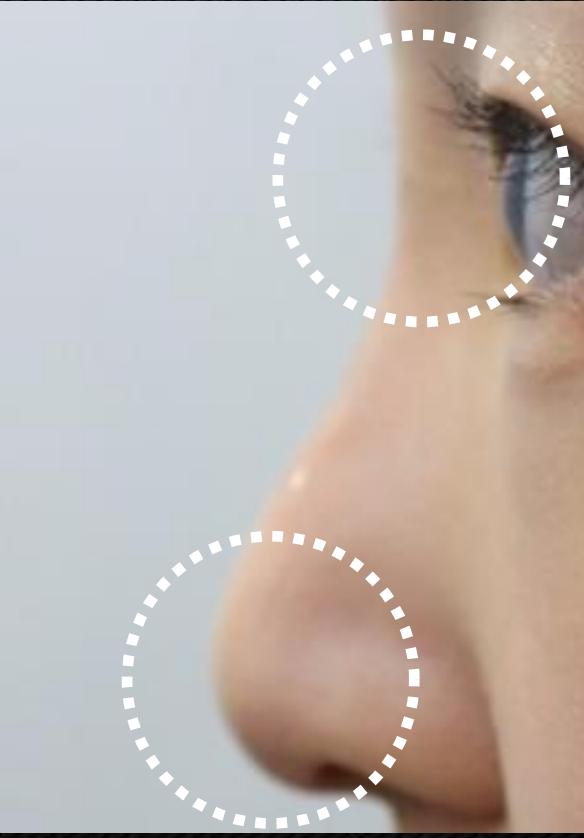
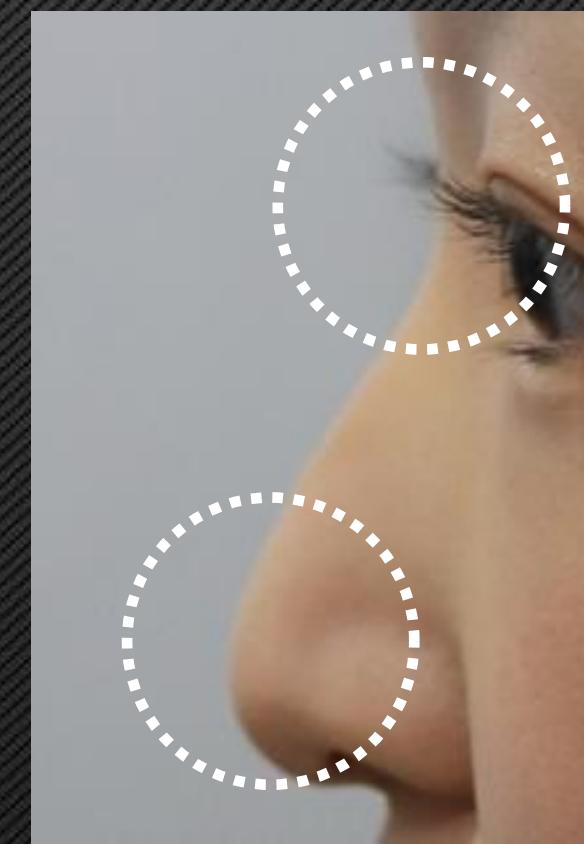
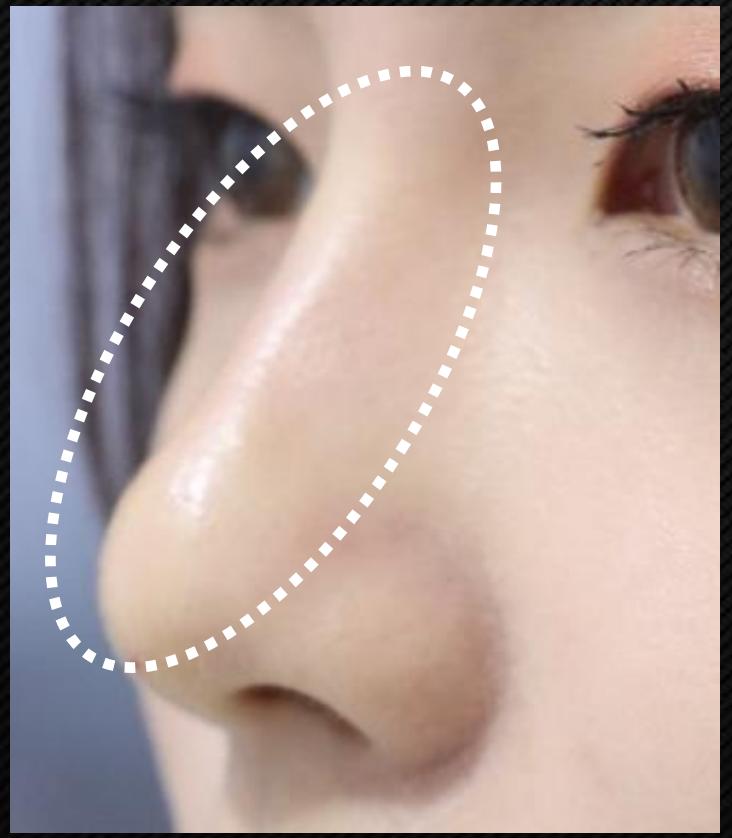
Clinical Case: Nose

MONALISA

Before



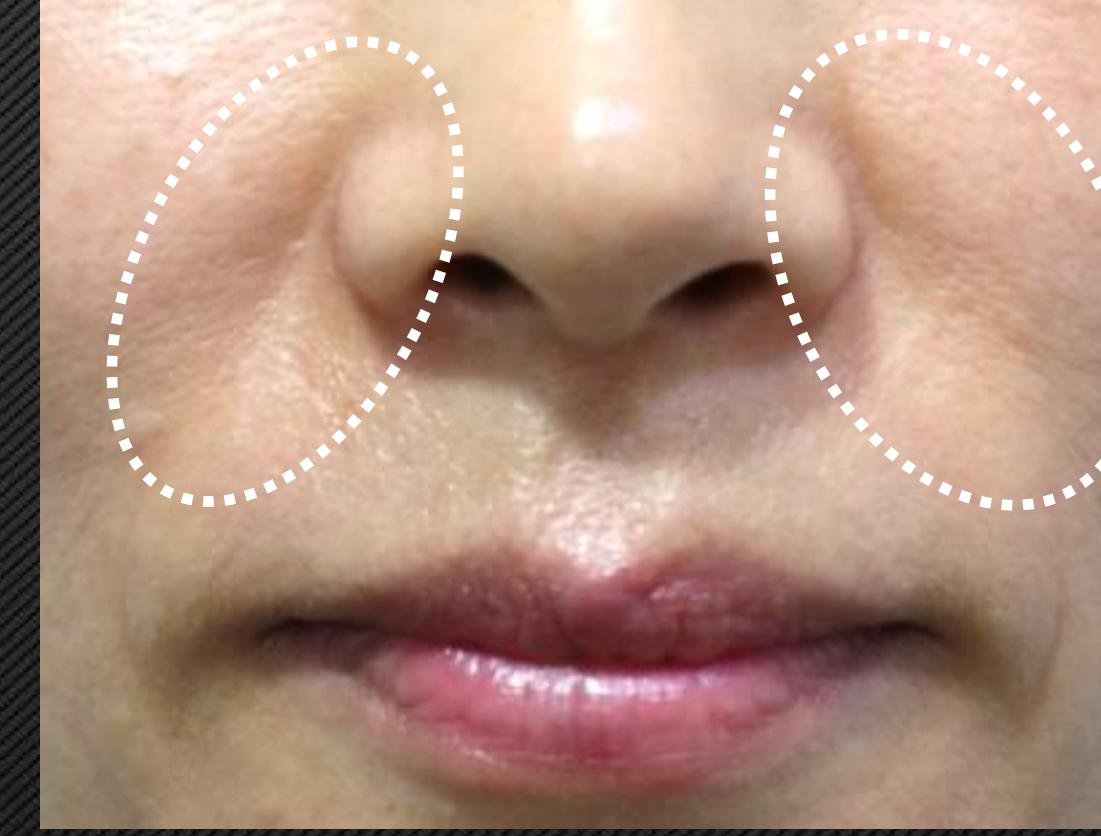
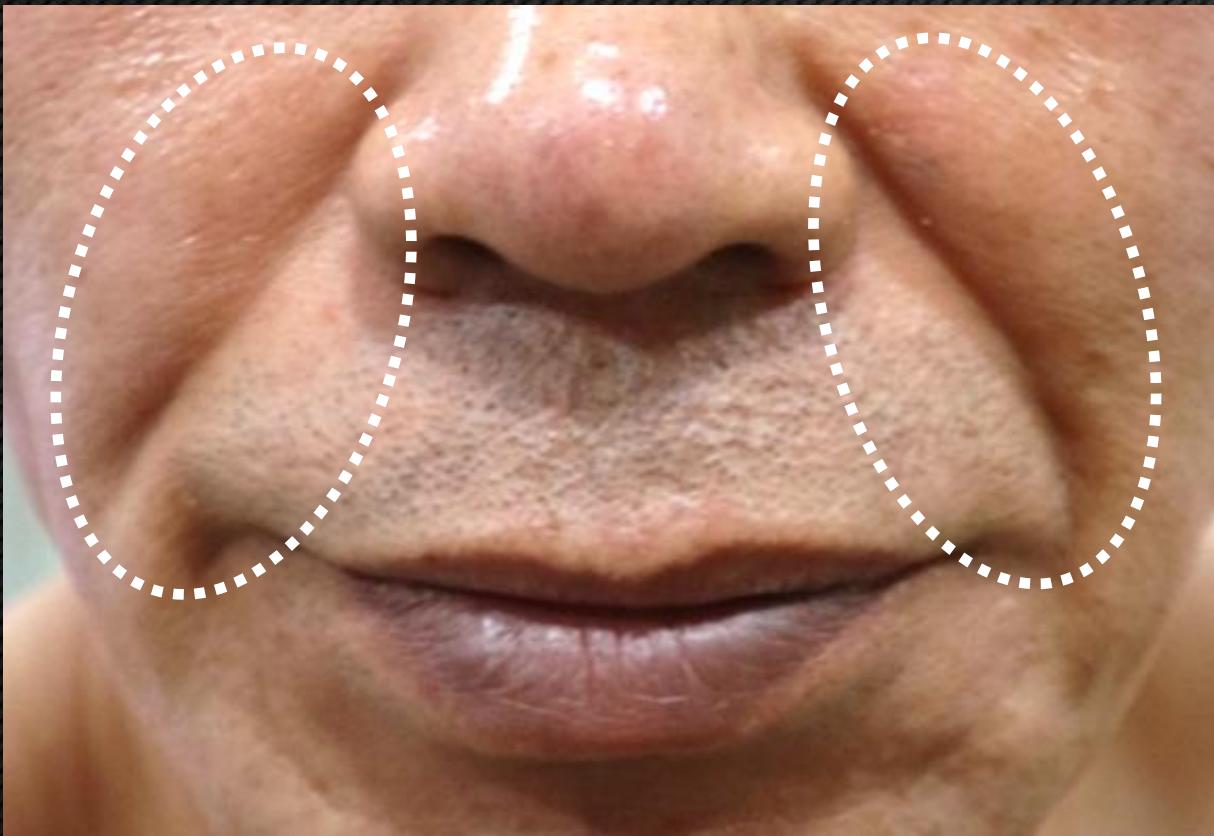
After



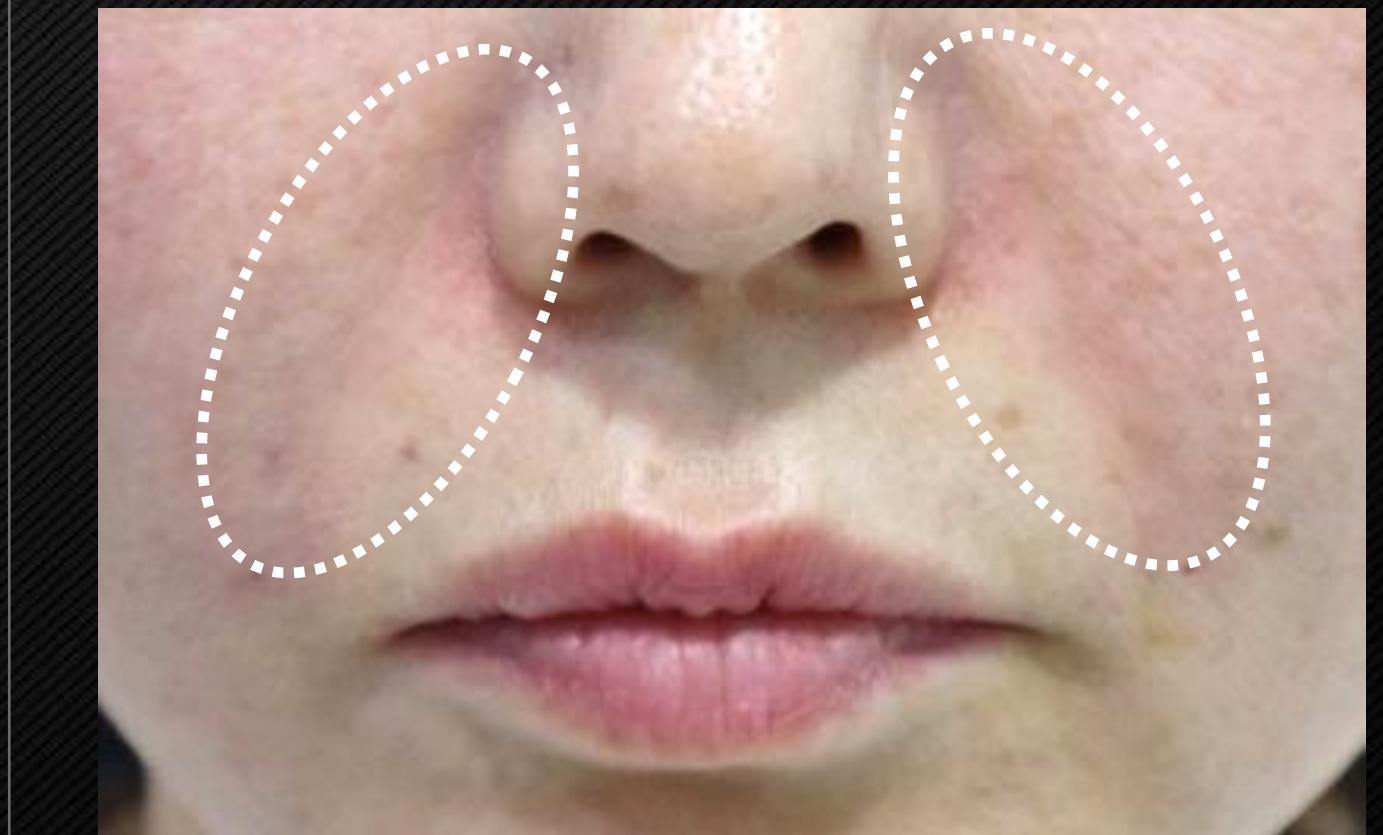
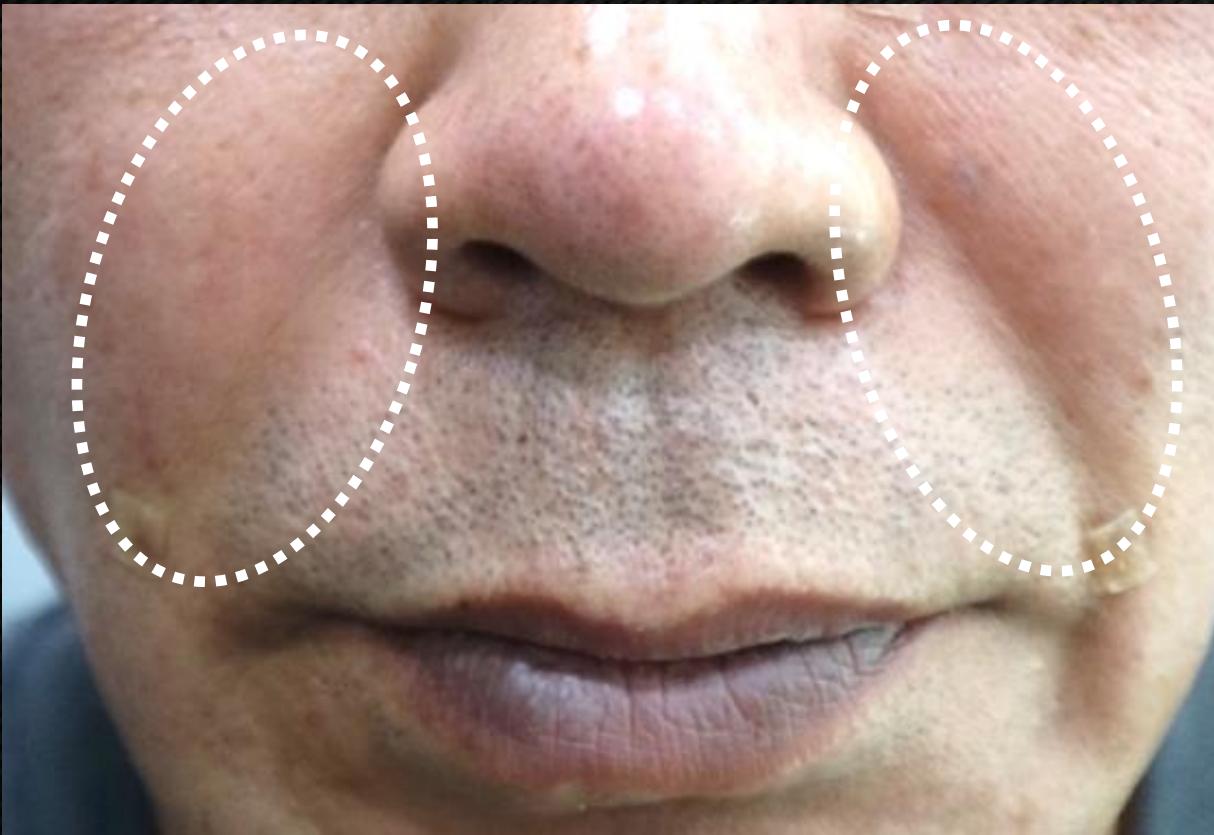
Clinical Case: Nasolabial fold

MONALISA

Before



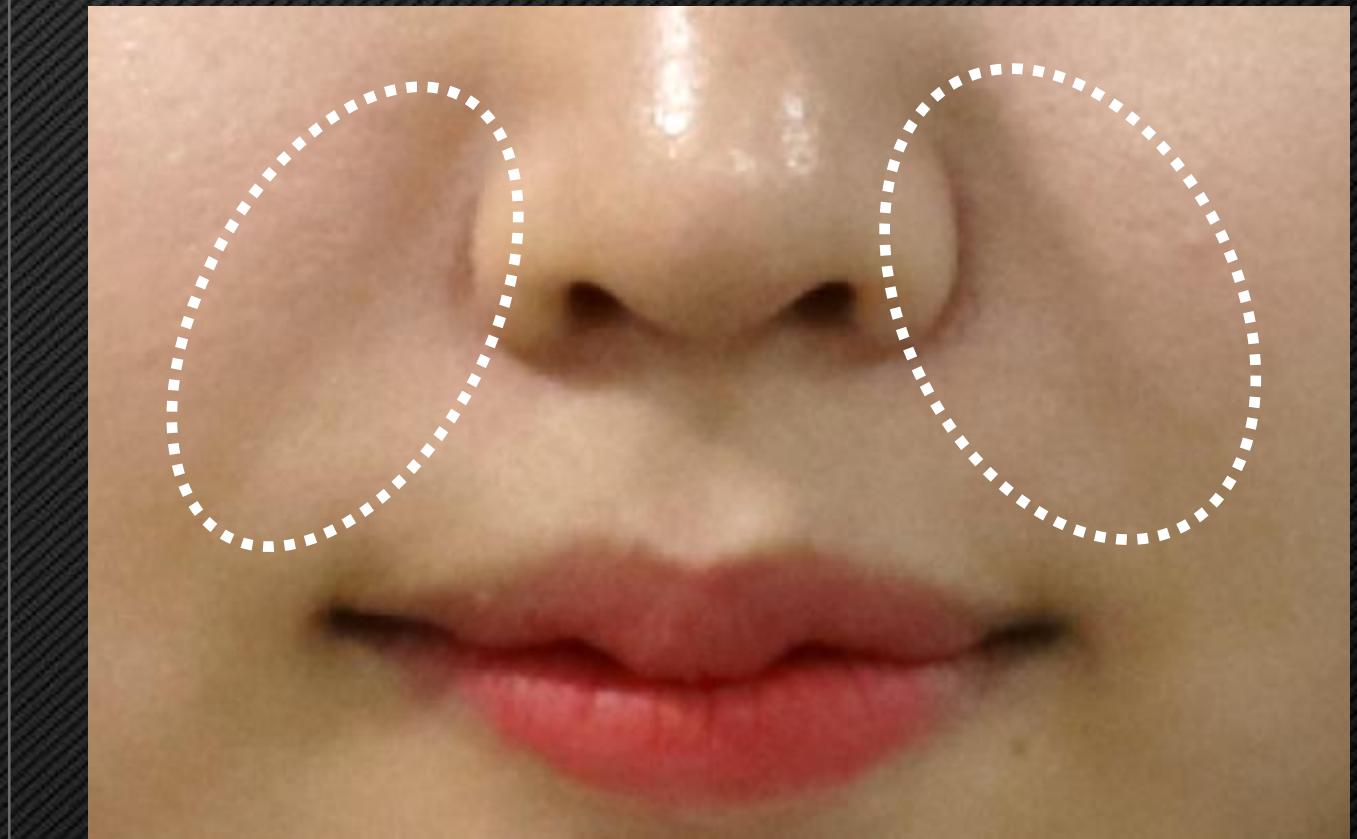
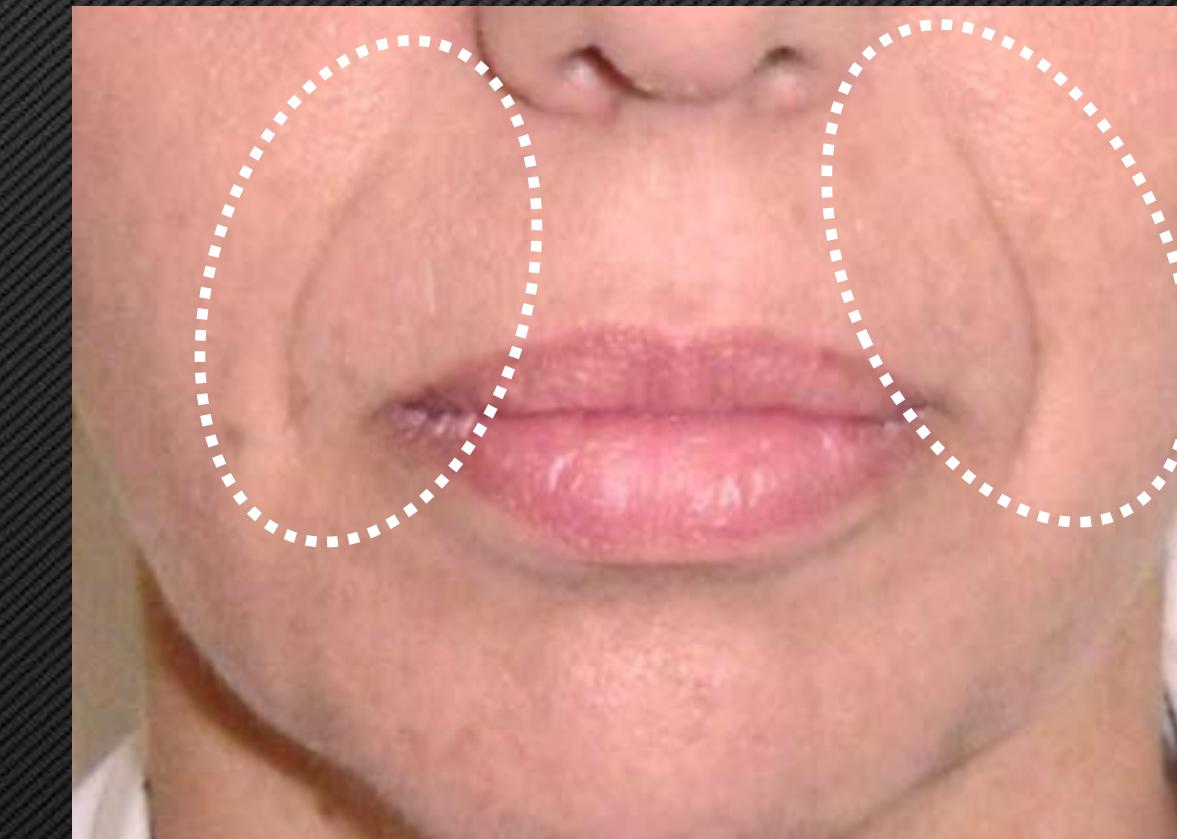
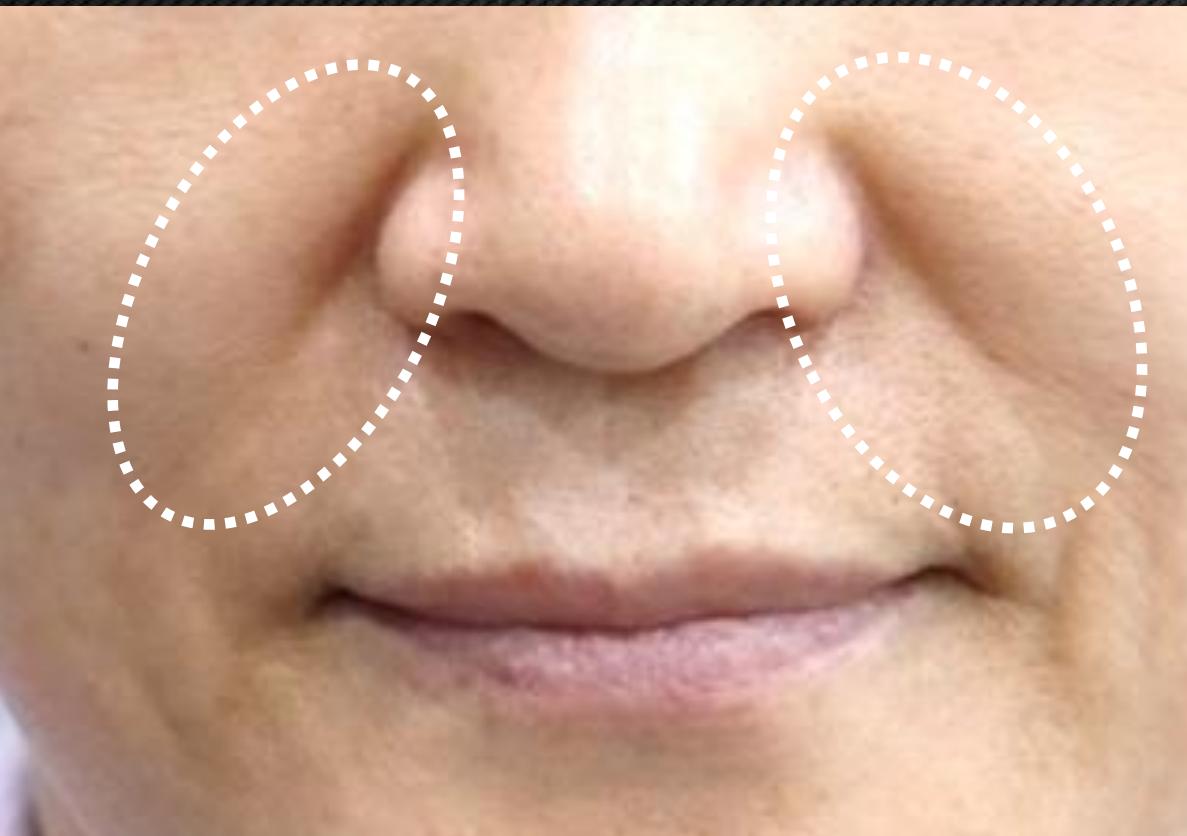
After



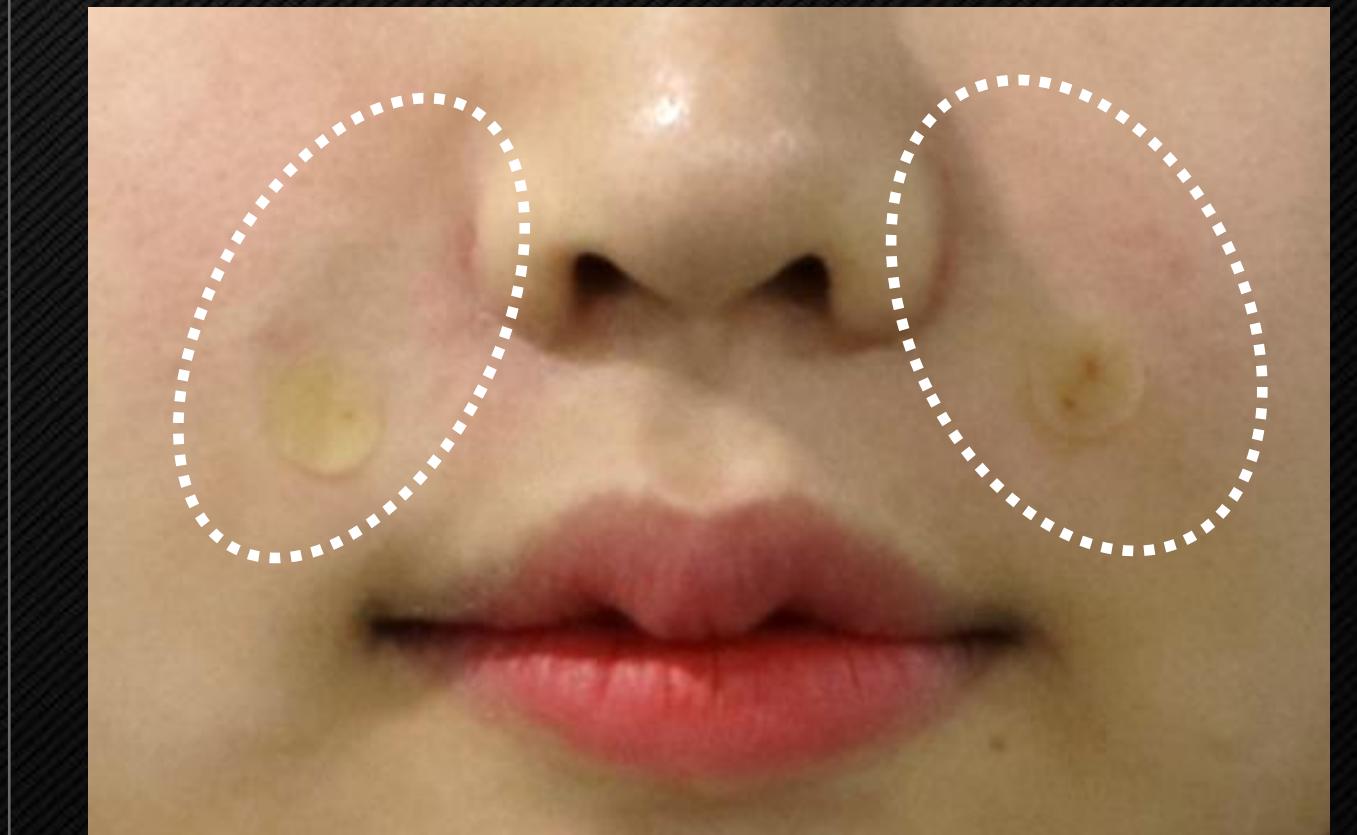
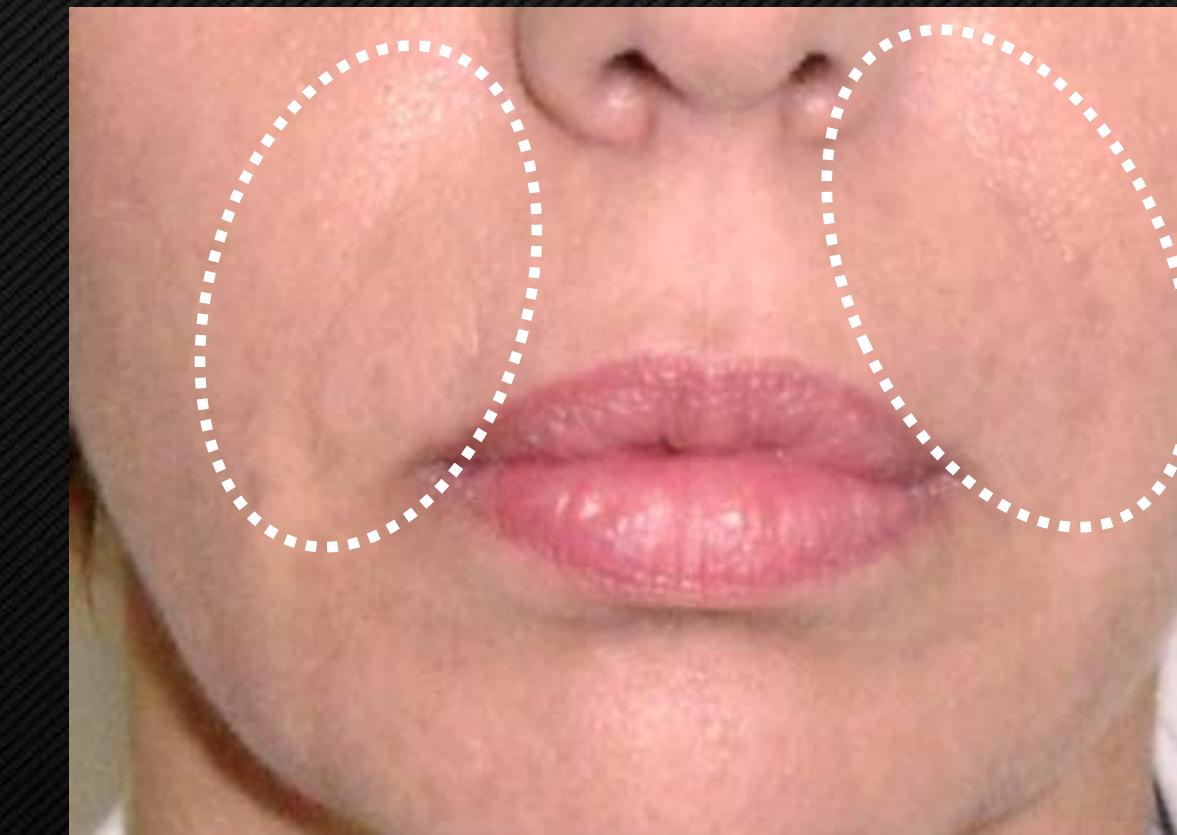
Clinical Case: Nasolabial fold

MONALISA

Before

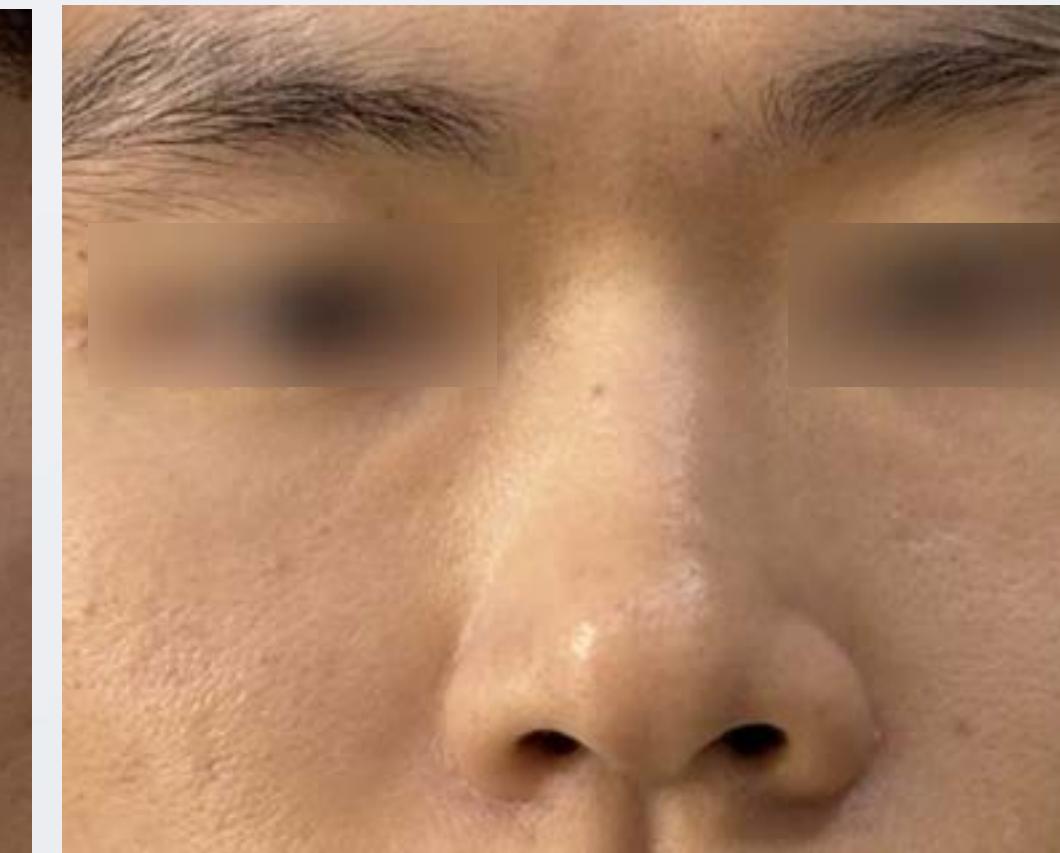


After

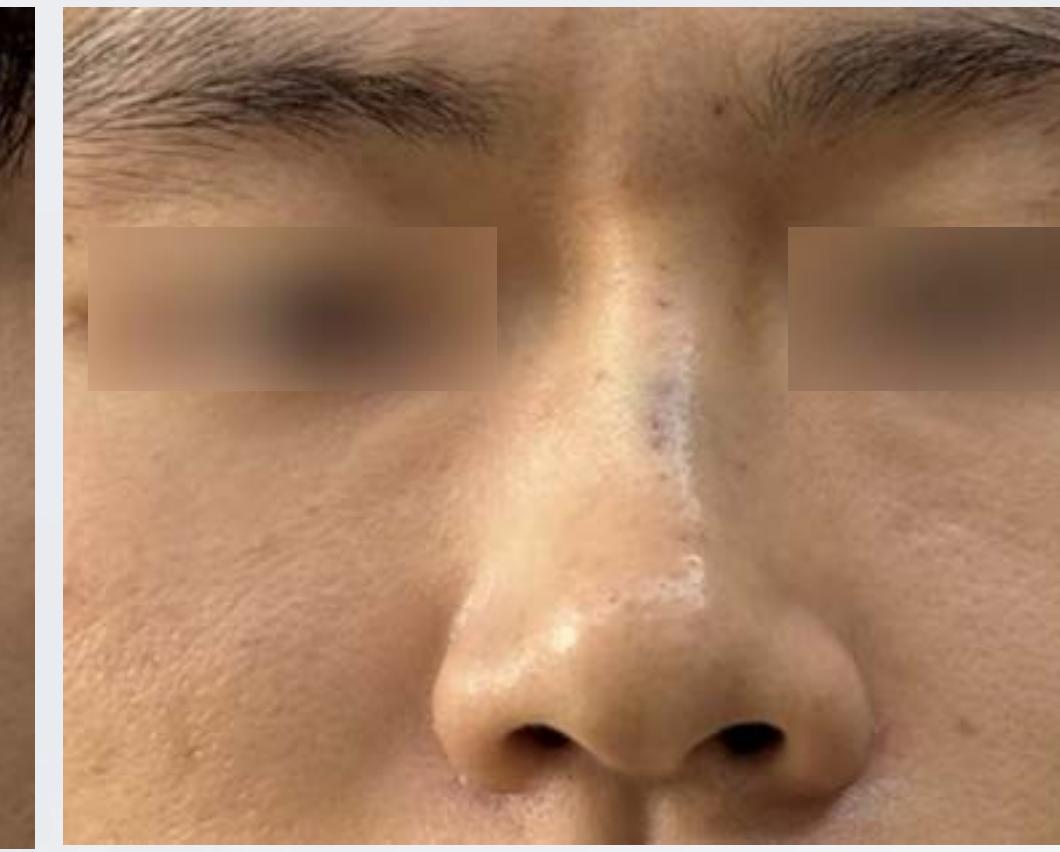


Nose

Before



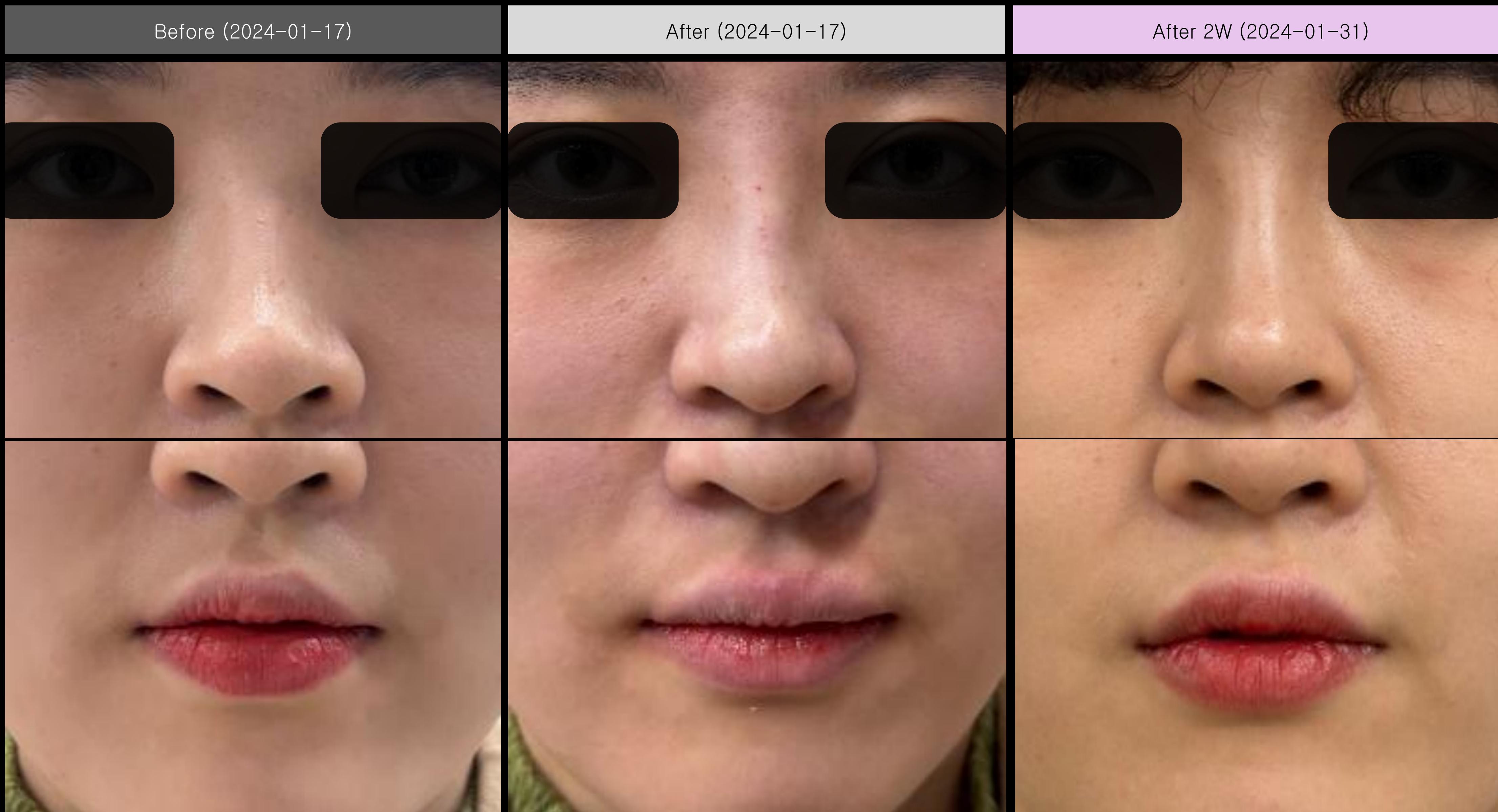
After



1M
FU

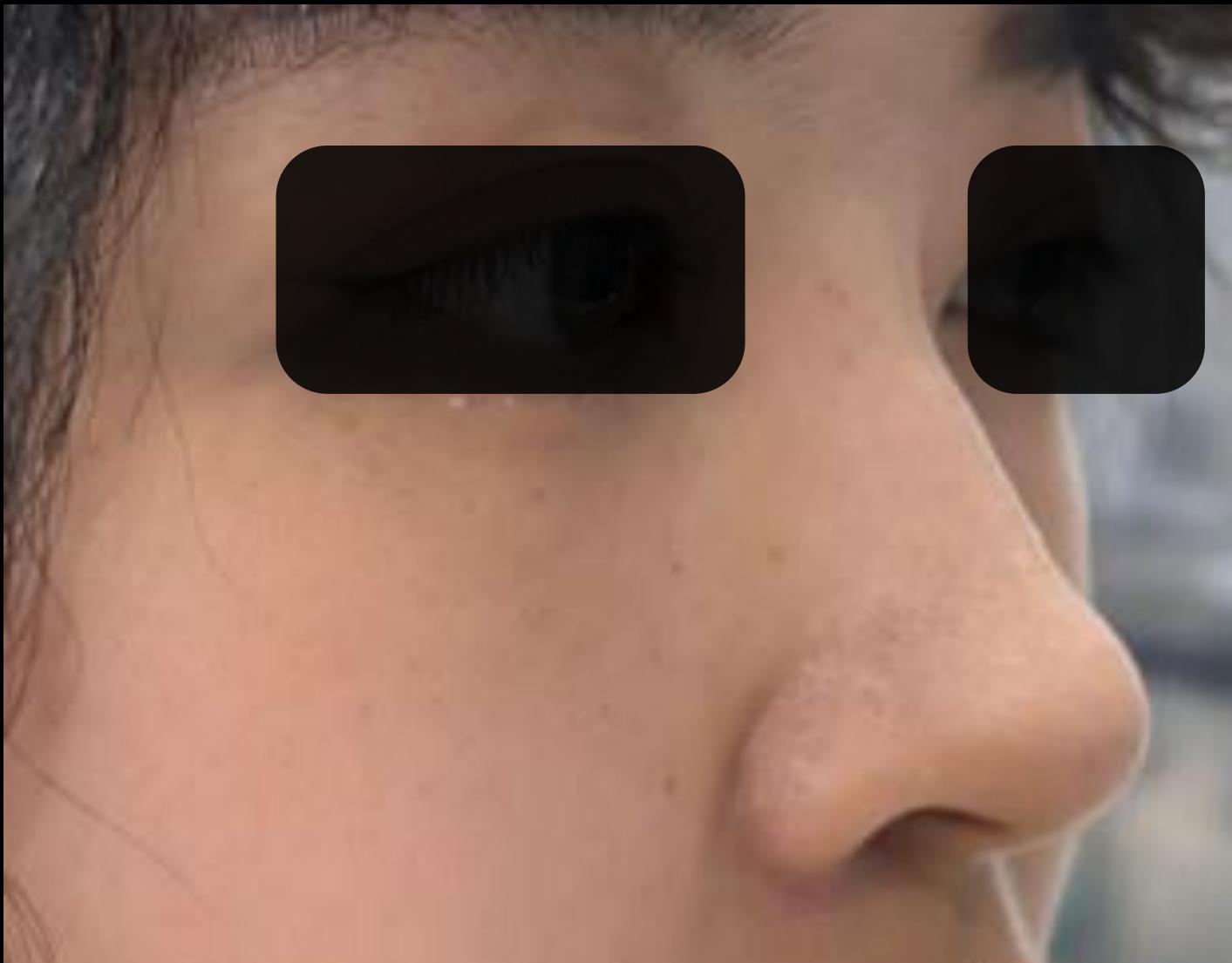


The front of

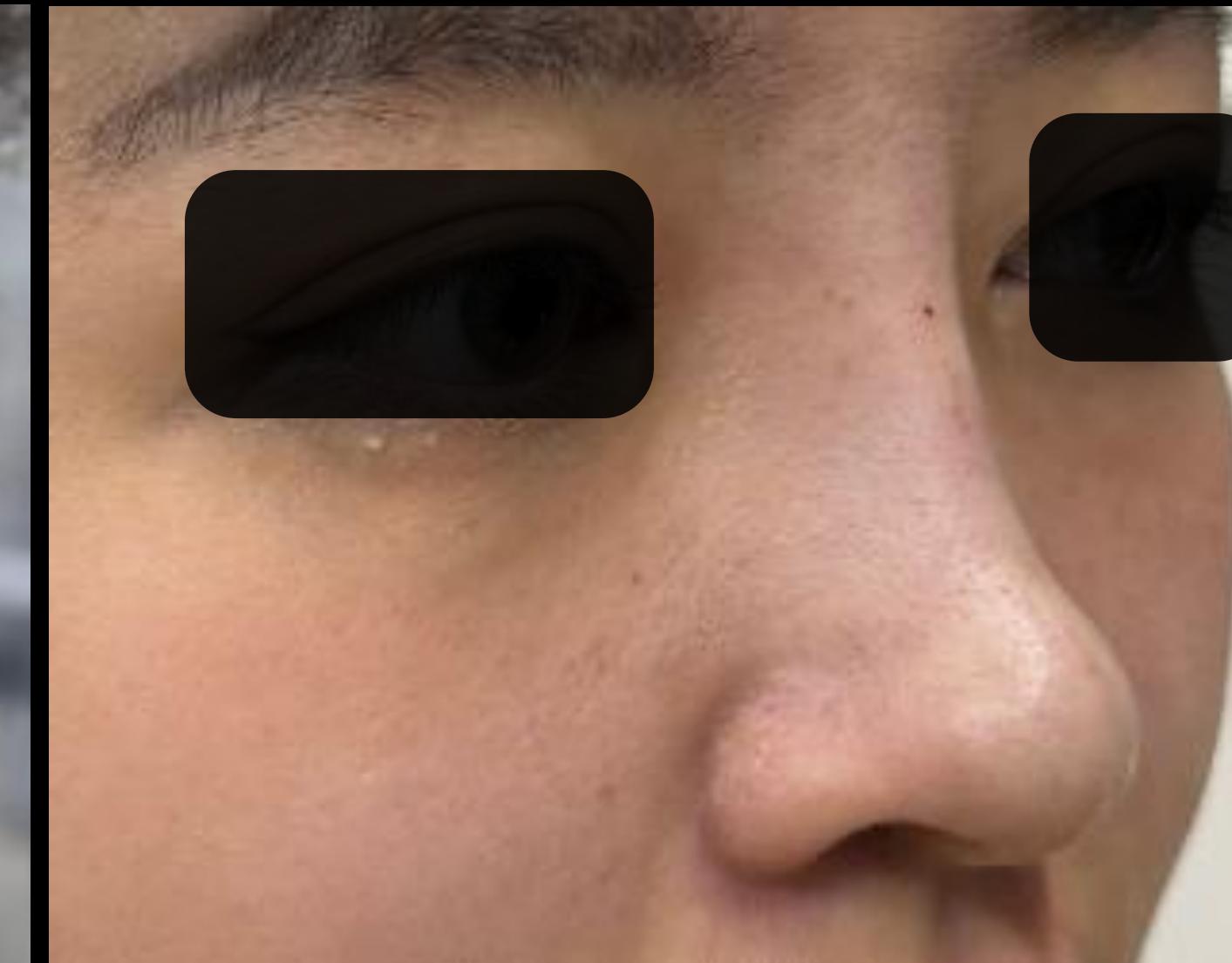


The right side

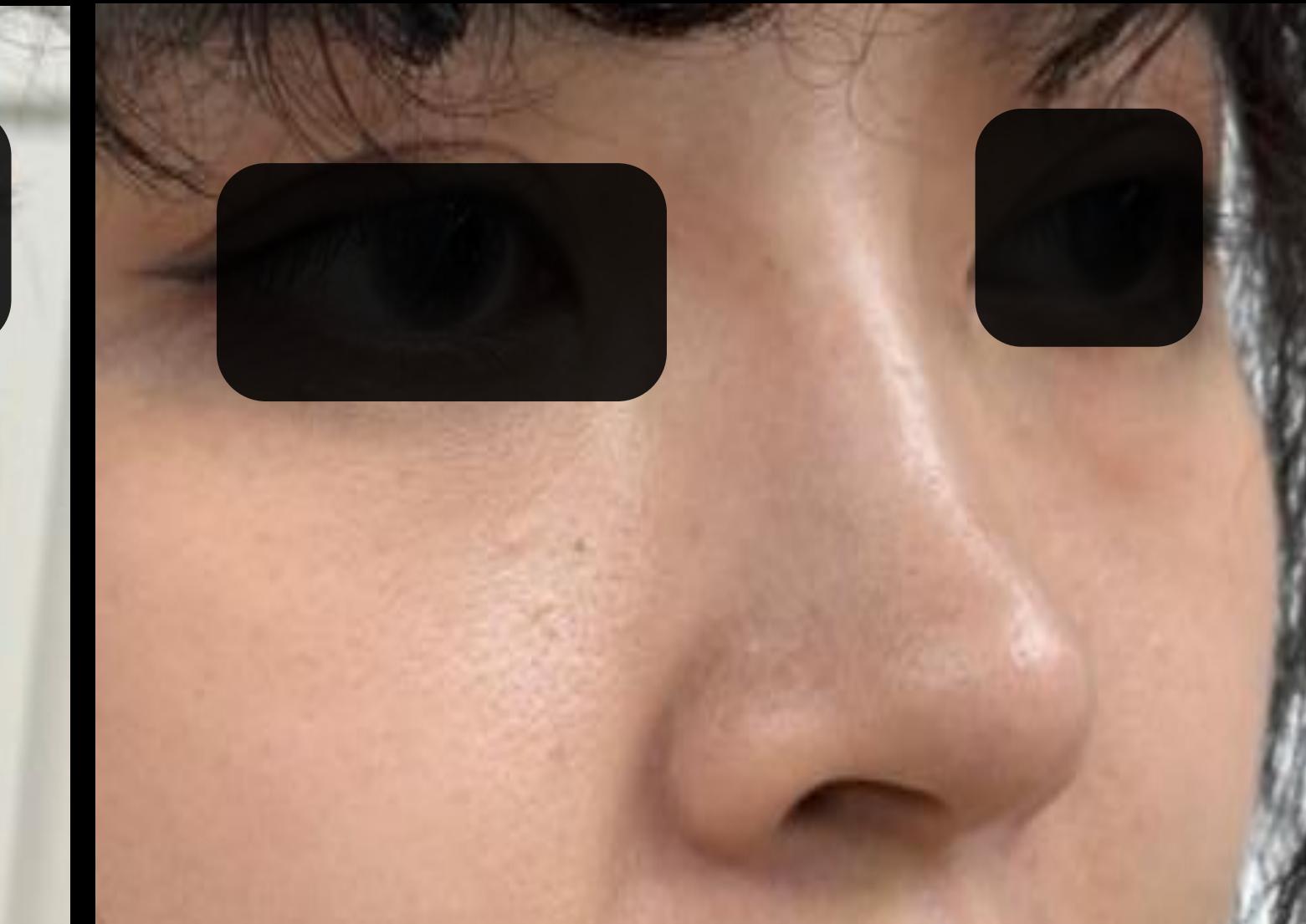
Before (2024-01-17)



After (2024-01-17)



After 2W (2024-01-31)



Case : Lips



Before

After

2 Weeks Later

6 Months Later

Case : Jaw Contour

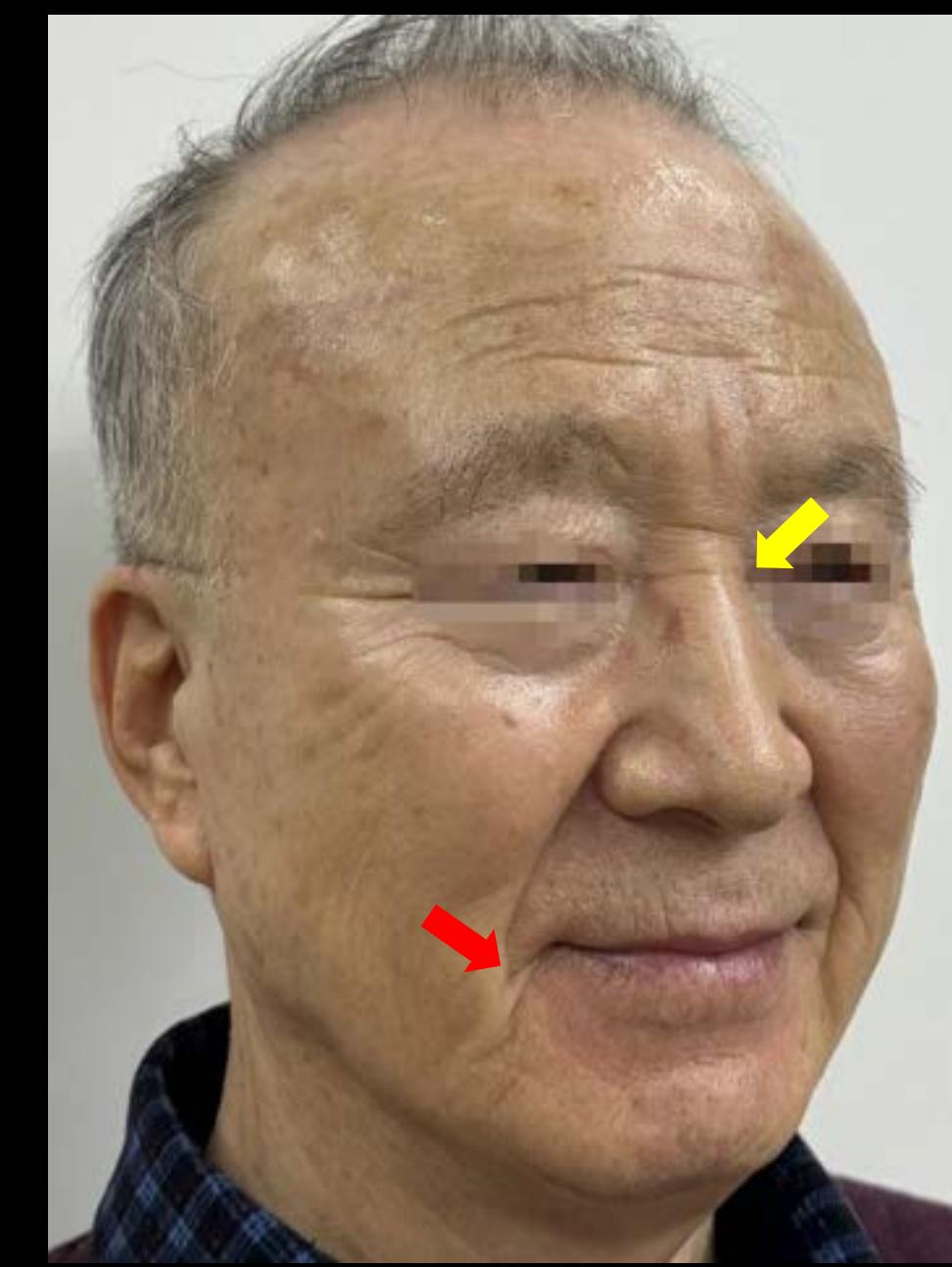
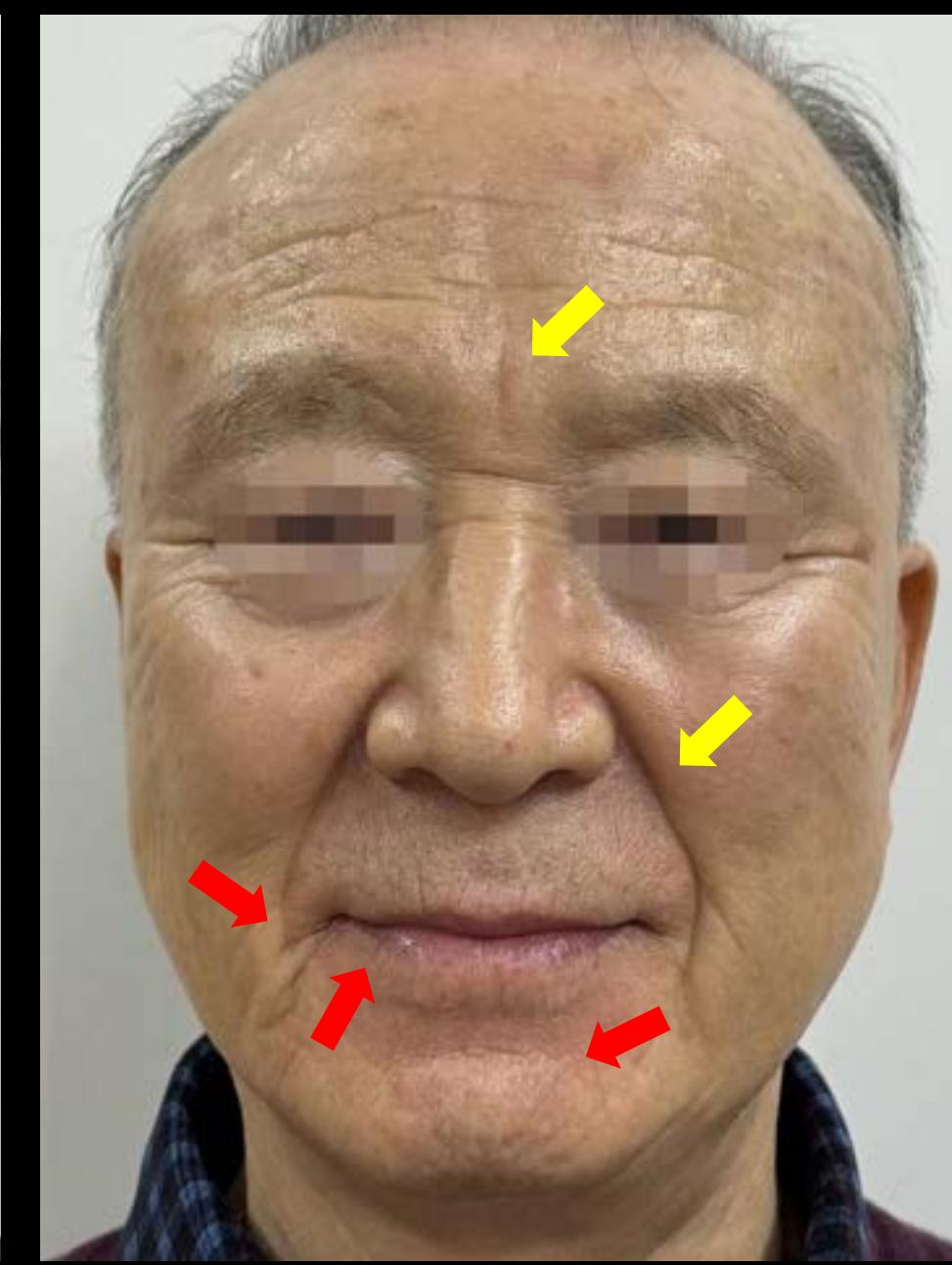
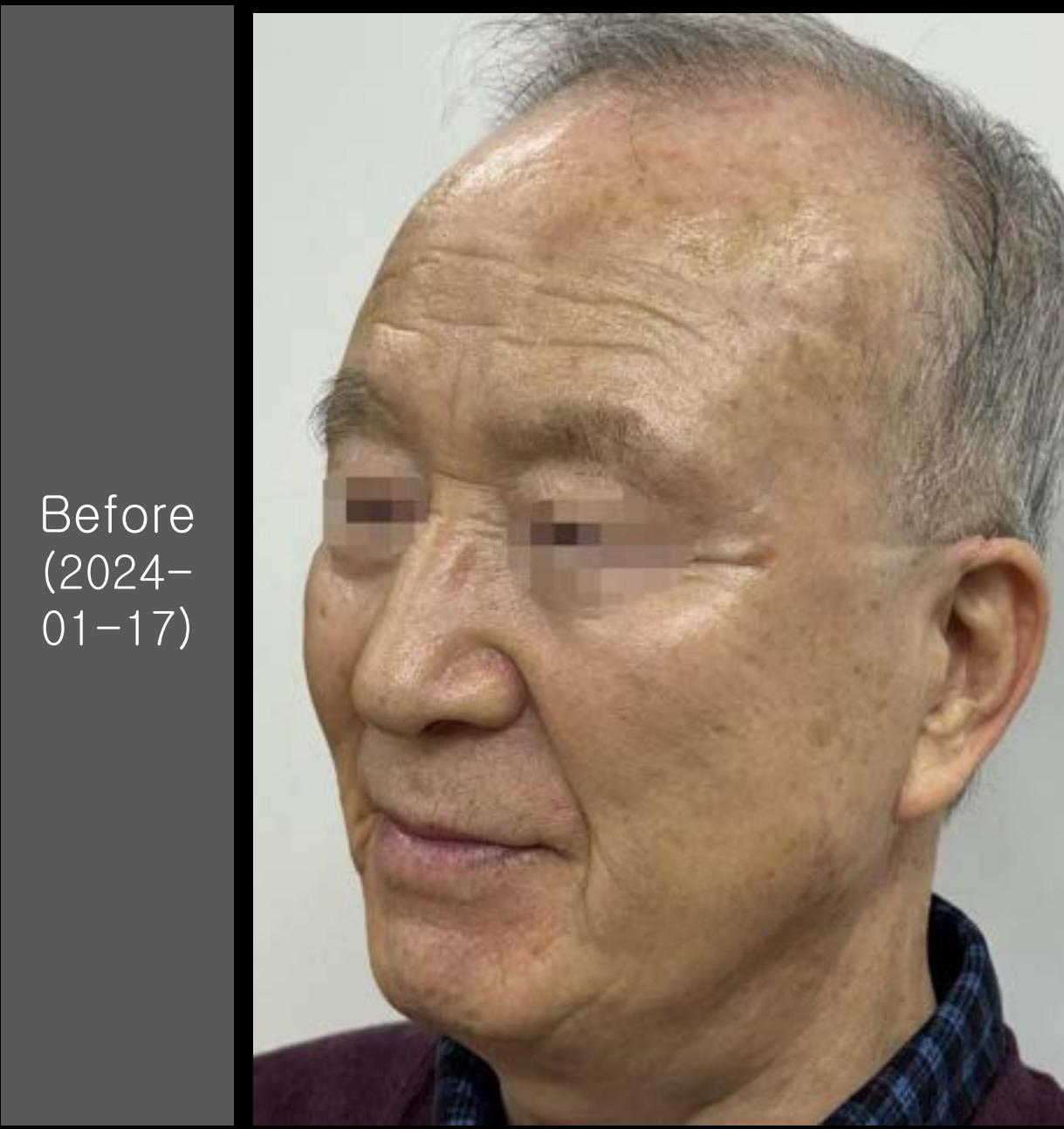


Before

After

2 Weeks Later

6 Months Later



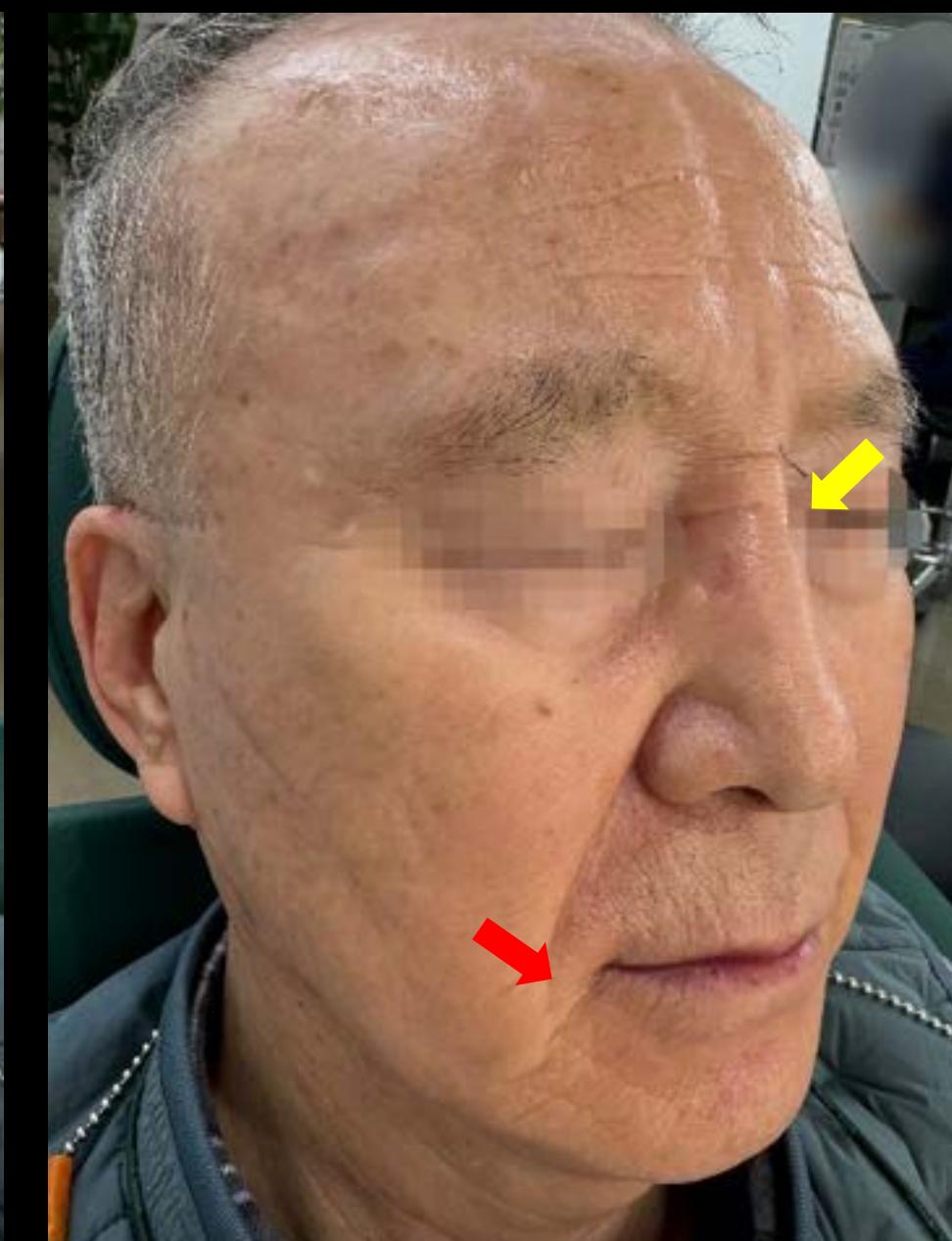
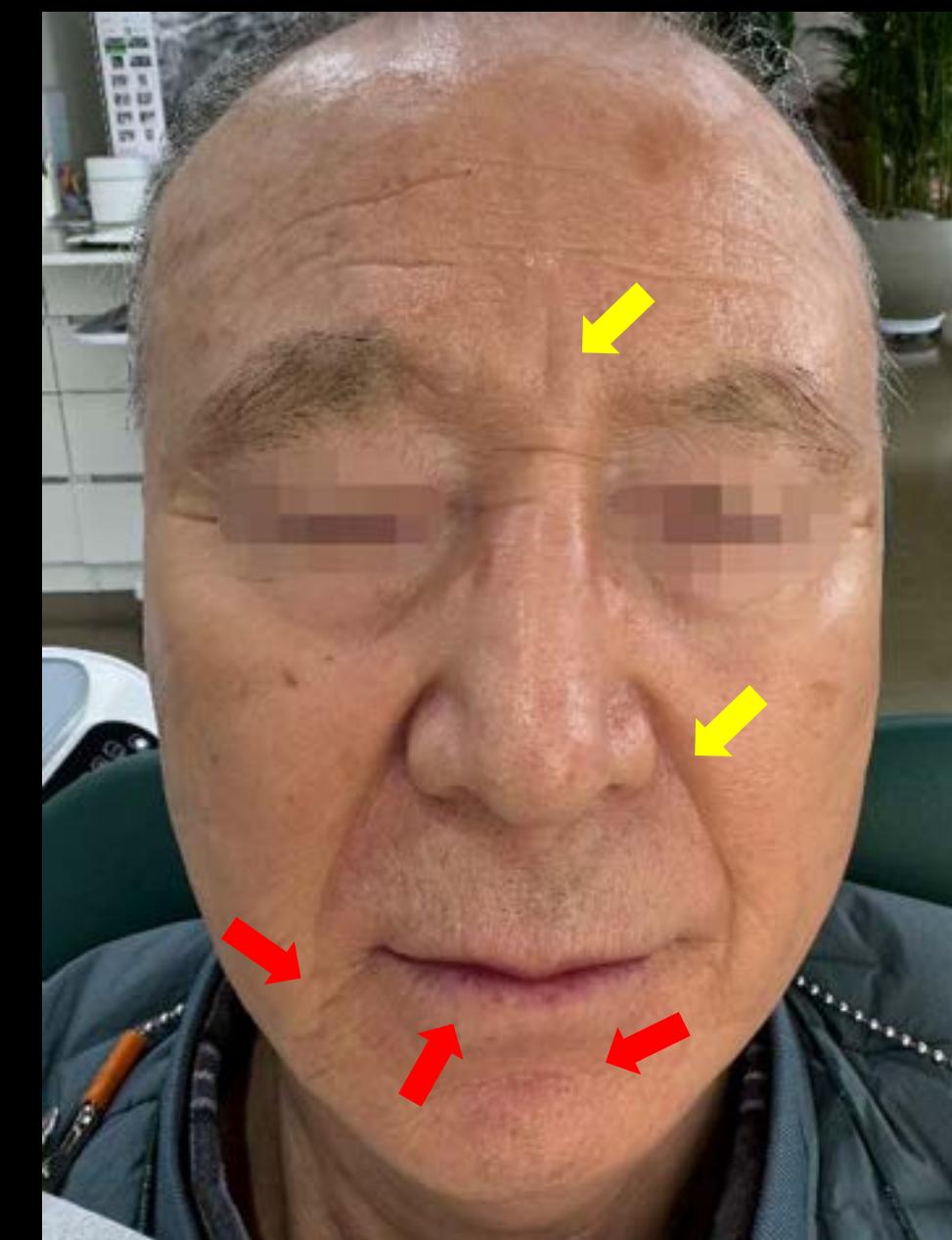
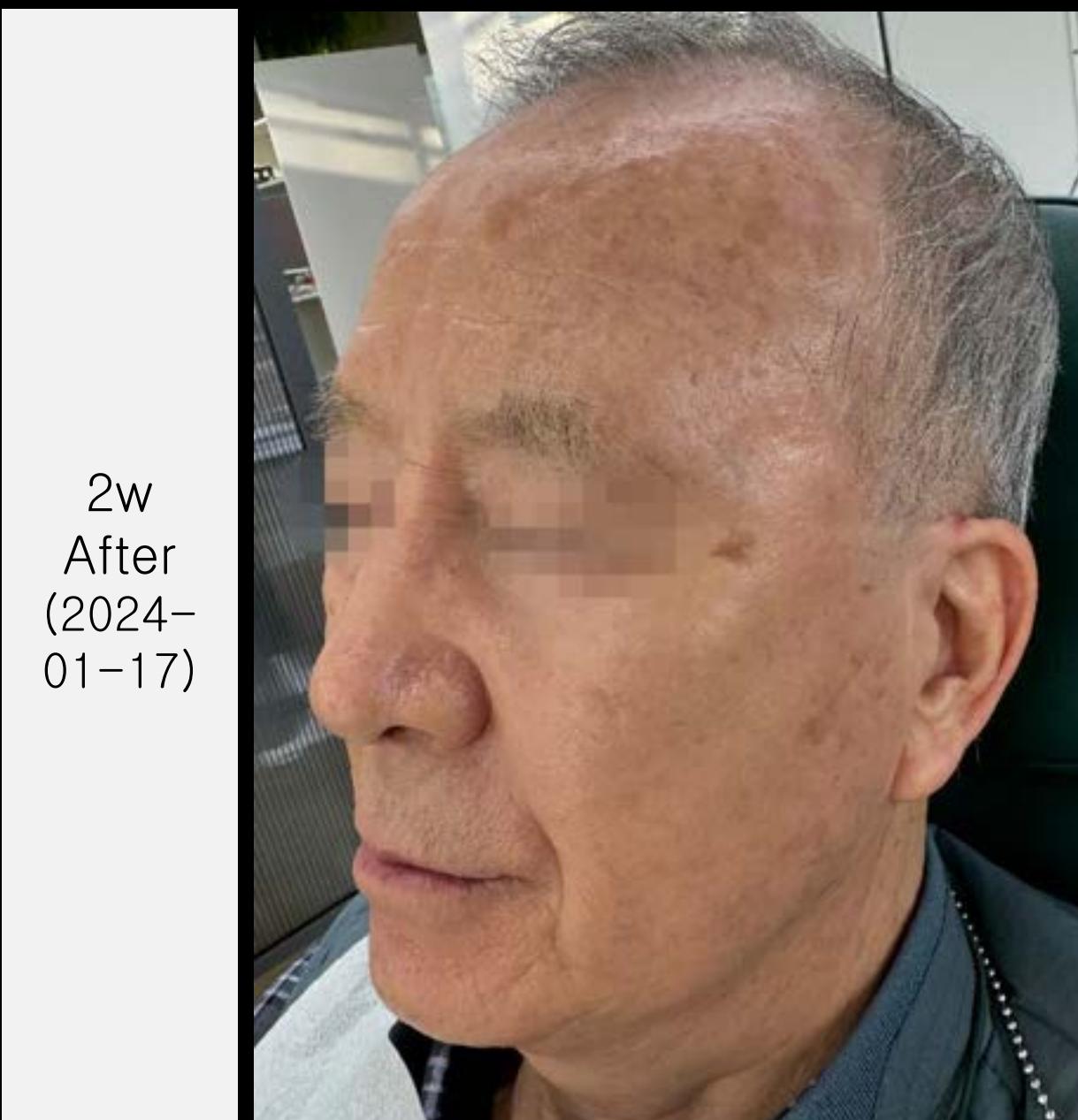
application site

High ↗

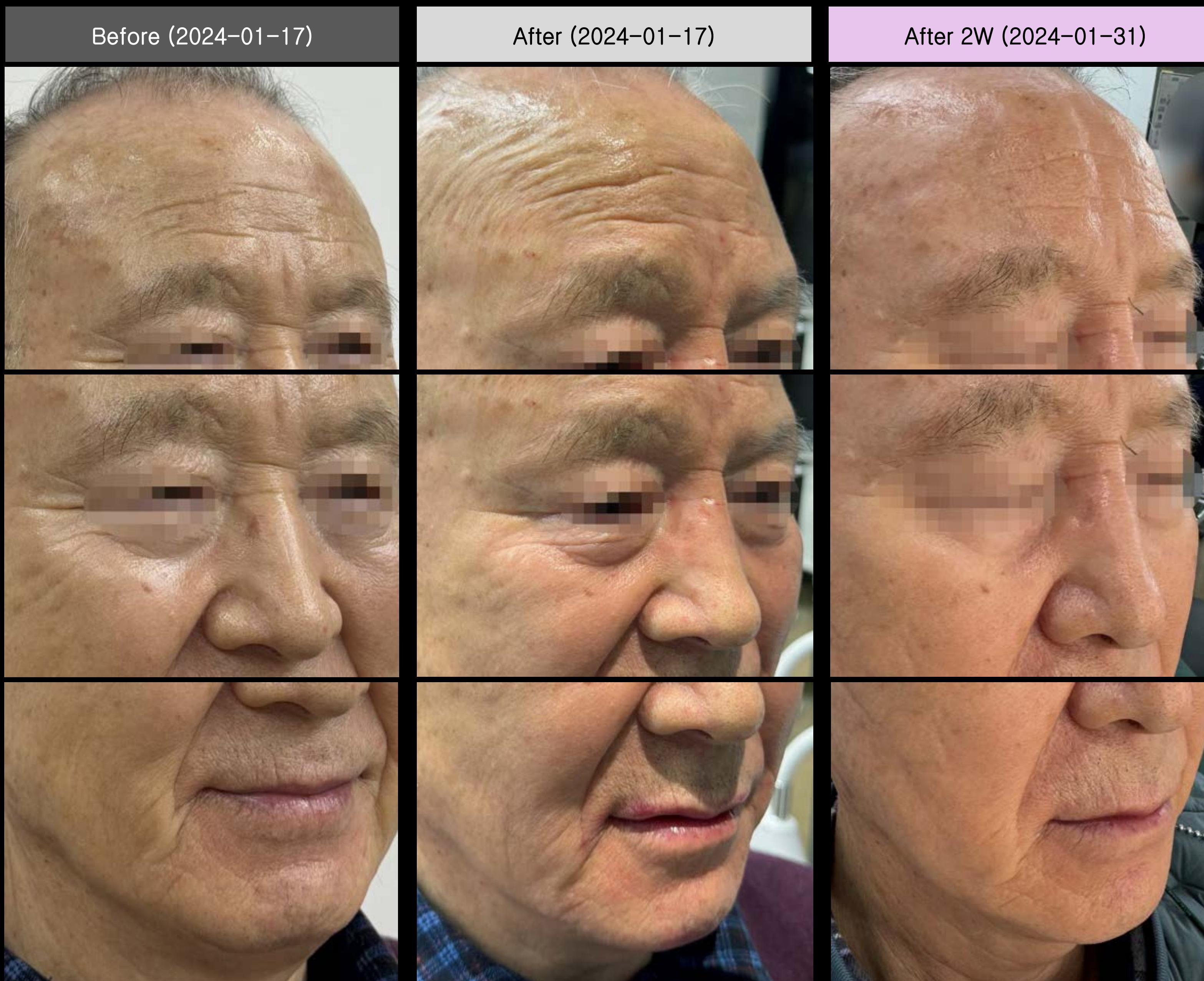
- Nose
- Nasolabial folds
- Frown lines

Rose ↘

- Temples
- Nasolabial folds
- Marionette lines
- Lip
- Mental Crease



The right side



Changes due to aging

Reduction in soft-tissue volume

– collagen loss

Subtle decrease in bony tissue

Reduced skin elasticity

These changes appear as sagging and depression.

Concept of Fillers in Elderly Patients

Nasolabial Fold

Marionette Lines

Increase Volume – via Injection

Bone Contact

Fine Superficial Wrinkles – Inject Just Below the Skin

Enhanced Effect – Combined with Botulinum Toxin

Dermal filler

Increase volume to improve and soften facial contours
Fill the spaces created by aging or trauma

Types of fillers

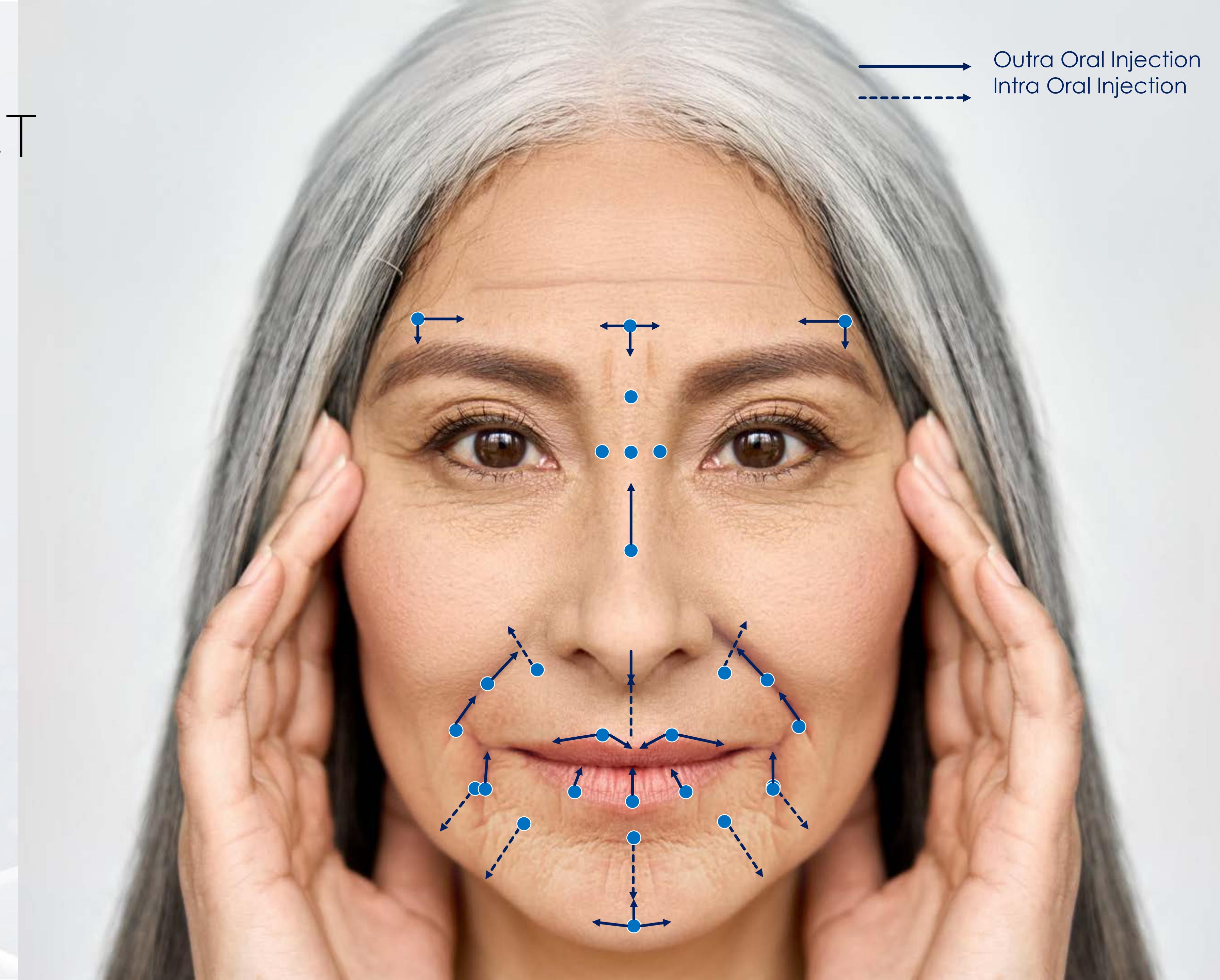
Hyaluronic acid - 6 to 18months

CaHA - 12 to 18months

PLLA - over 2 years

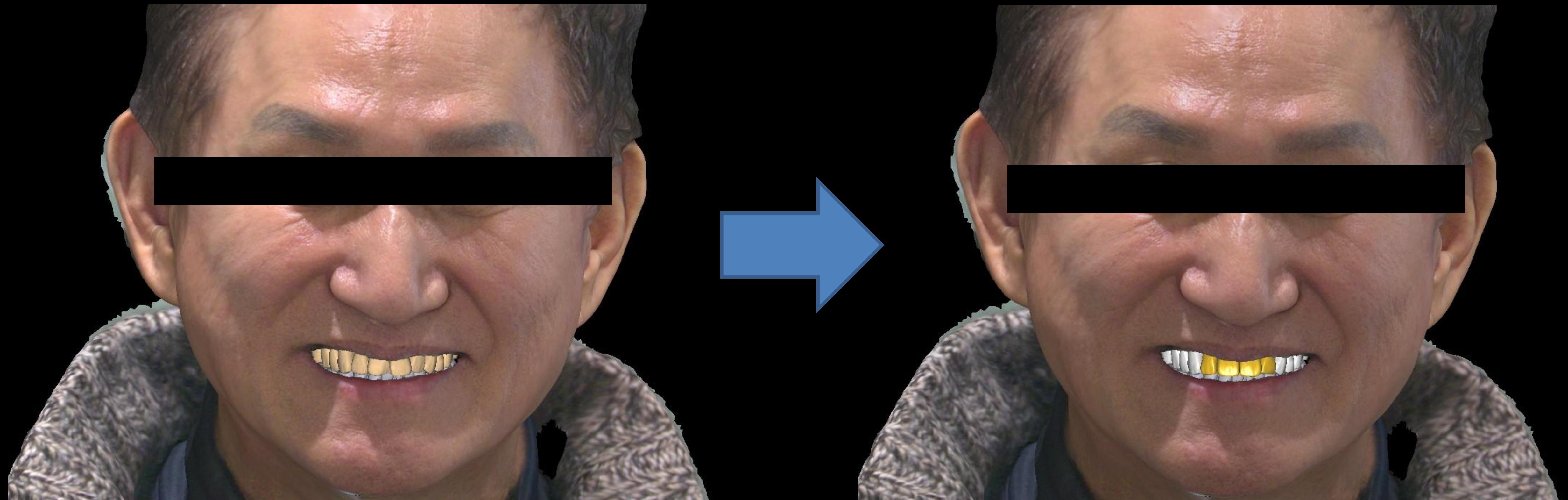
PCL

FILLER INJECT



Outra Oral Injection
Intra Oral Injection

Virtual Set-up combined with facial scanner



Very good with pts consulting and systemic tx

Prosthesis design



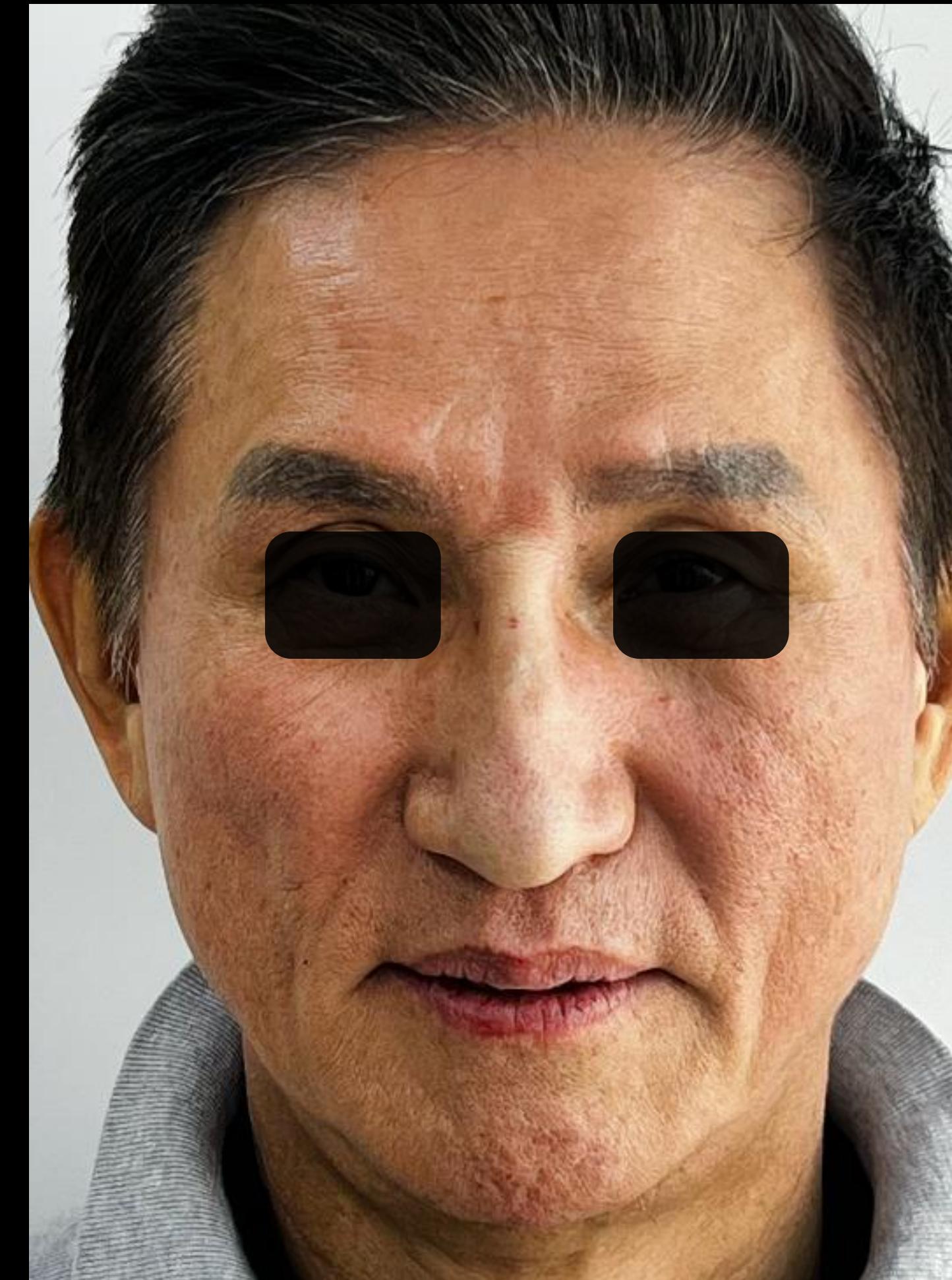
bright 3 Layer A3



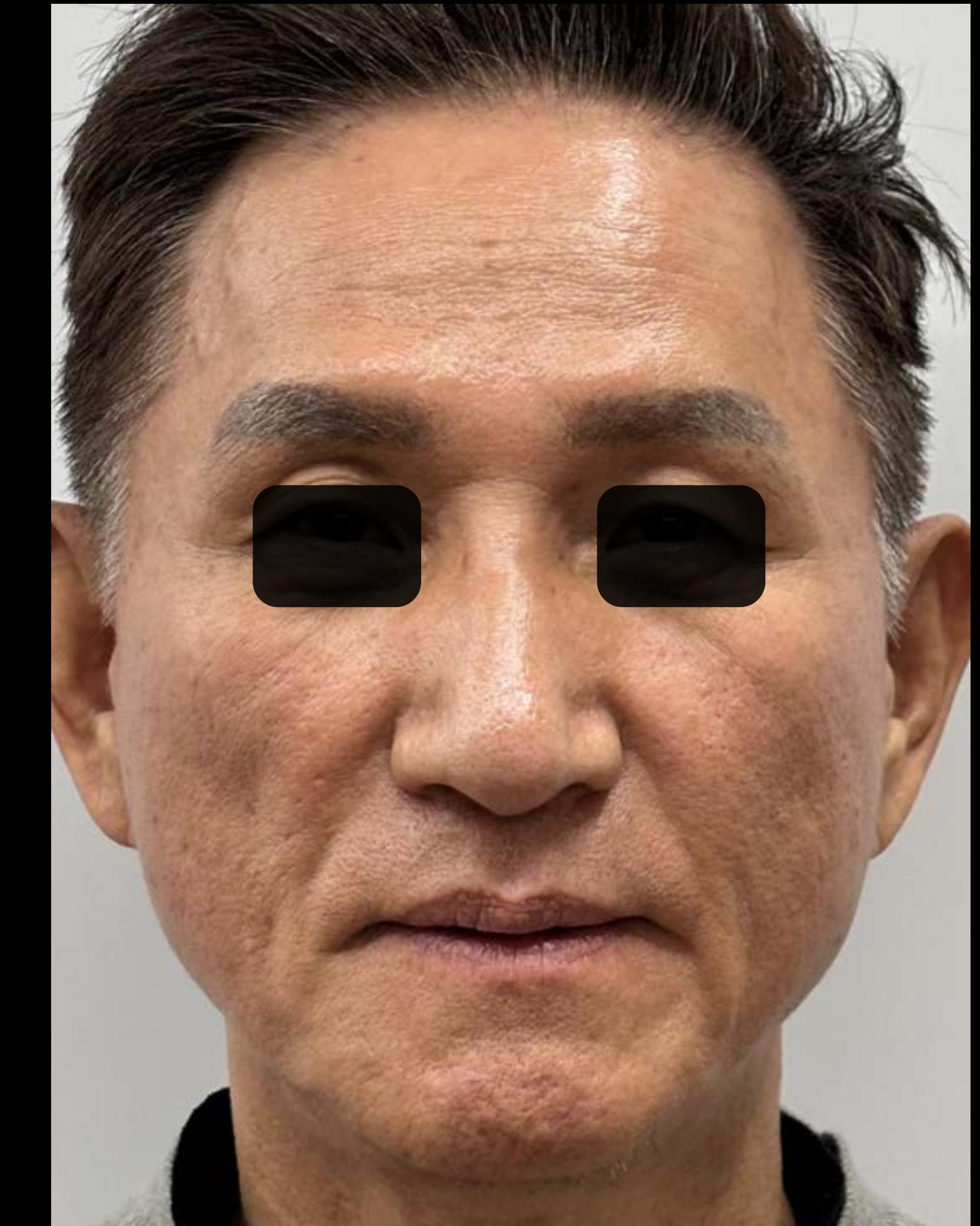
Before



After



1 Month Later



Hyaluronic Acid Dermal Filler with Lidocaine

MONALISA

GENOSS



*Long term
Stability*

MONALISA High Elastic



MONALISA High Elastic products shown with packaging and syringes:

- MONALISA High Elastic Smile (L)
- MONALISA High Elastic Rose (R)
- MONALISA High Elastic Volume (V)

1.0 mL

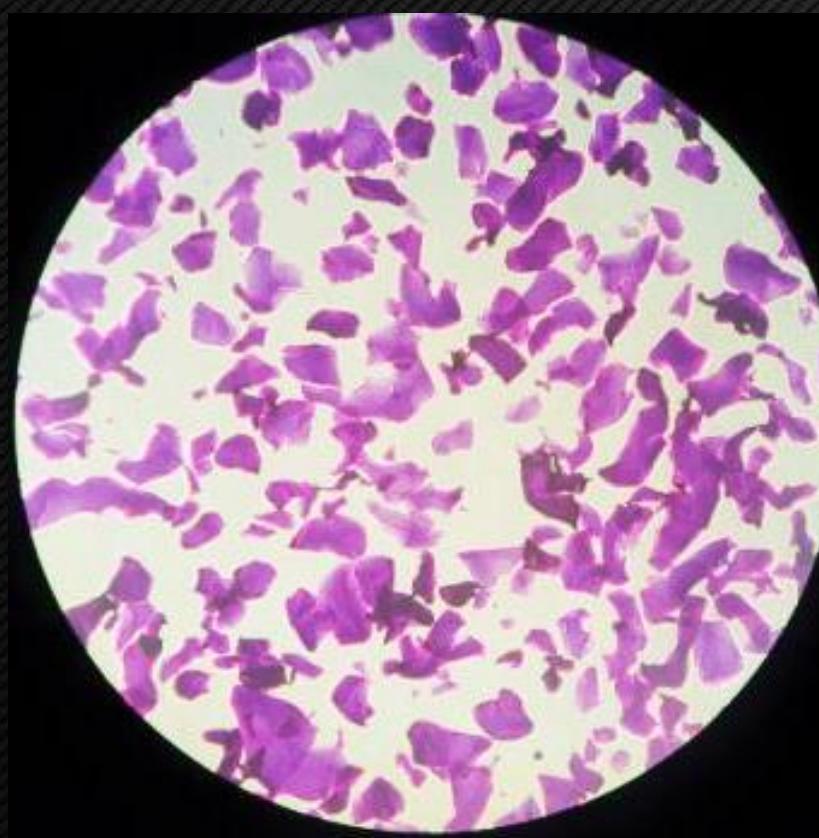
Product	Smile	Rose	Volume
Model	MPF10L	MPF10R	MPF10E
HA Conc.	24 mg/mL		
Lidocaine	0.3 w/v%		
Particle size	400 μm	600 μm	900 μm
Needle	27GTW (2units)	27GTW (2units)	25GTW (2units)

Physical Properties

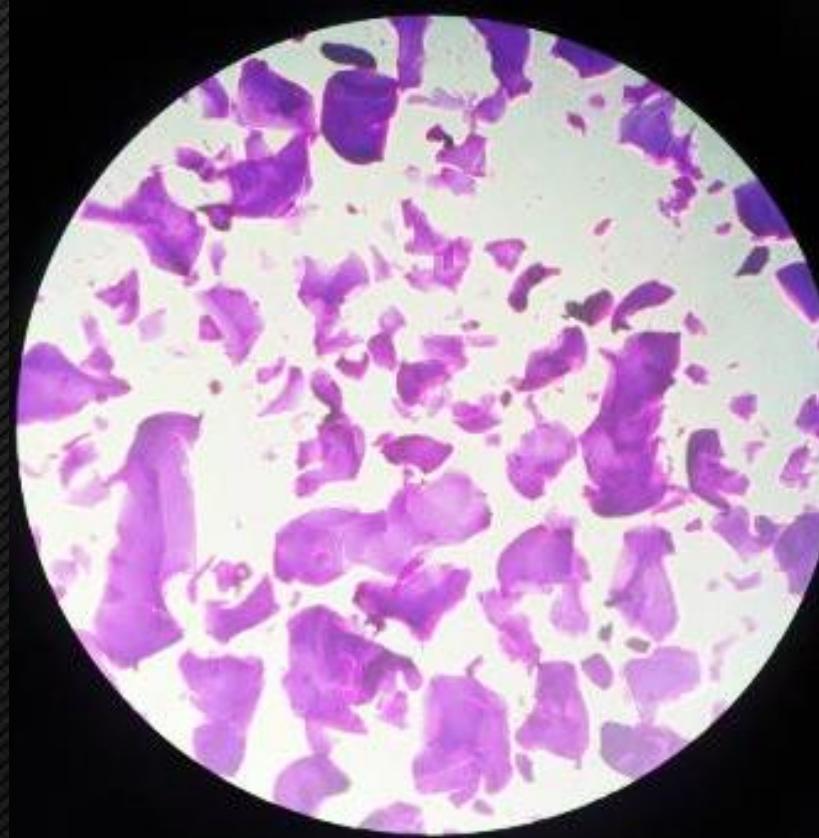
MONALISA

Particle size & shape

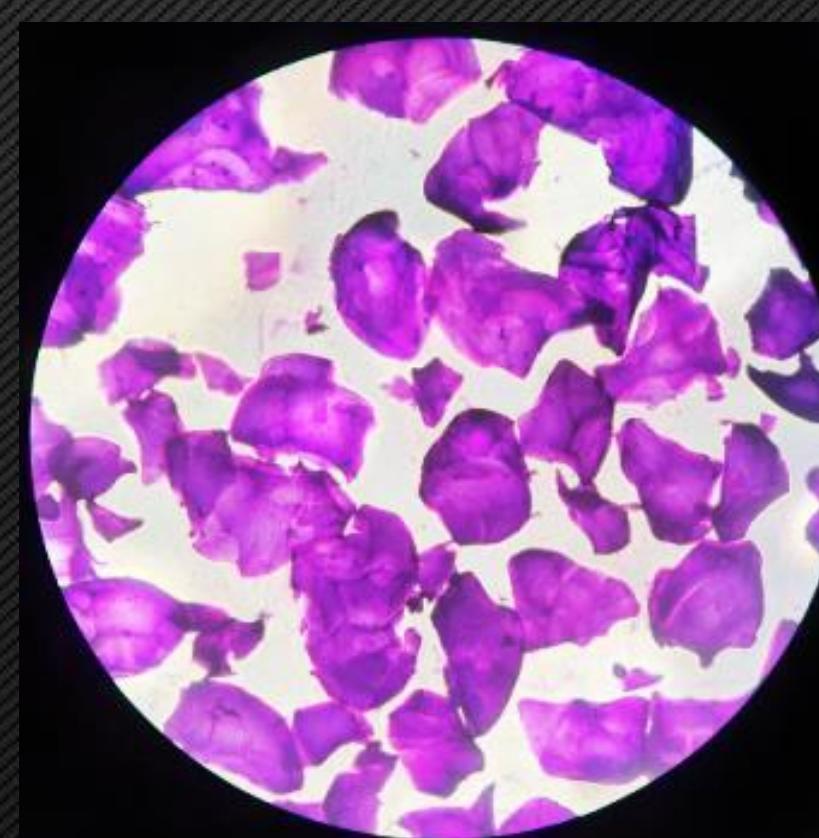
x 40



Soft



Mild / Smile



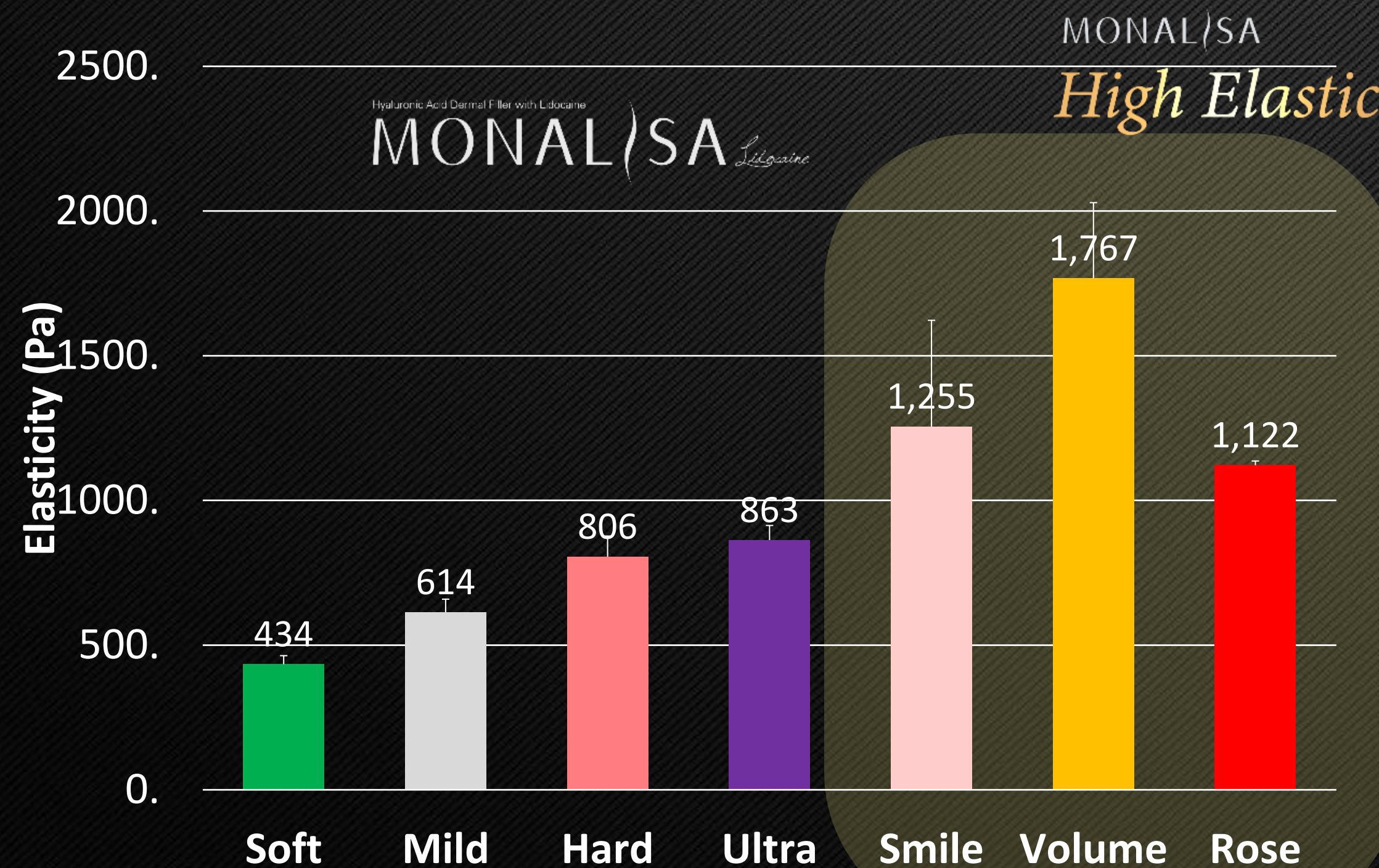
Hard



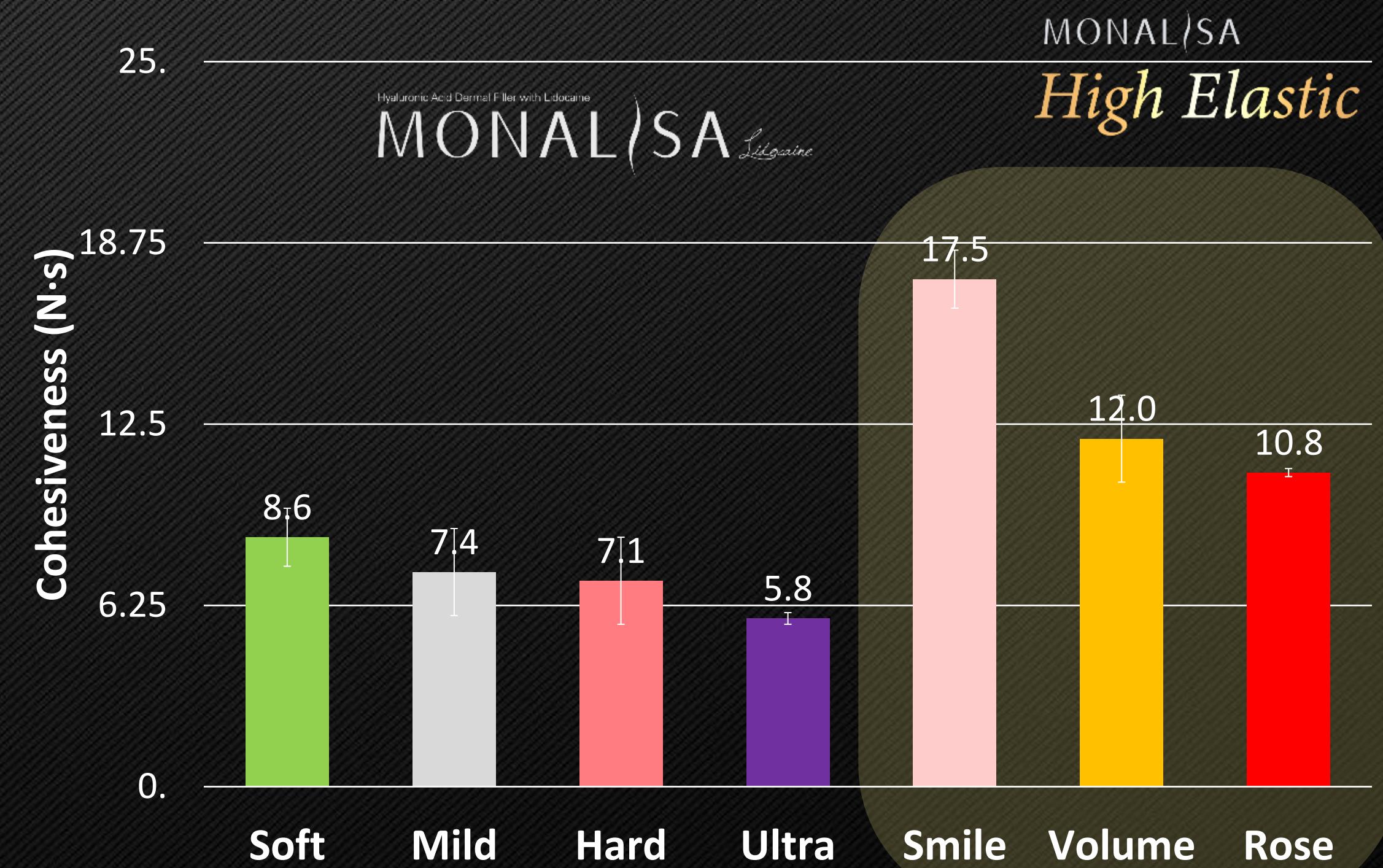
Ultra / High Elastic

MONALISA High Elastic

Elasticity (탄성)

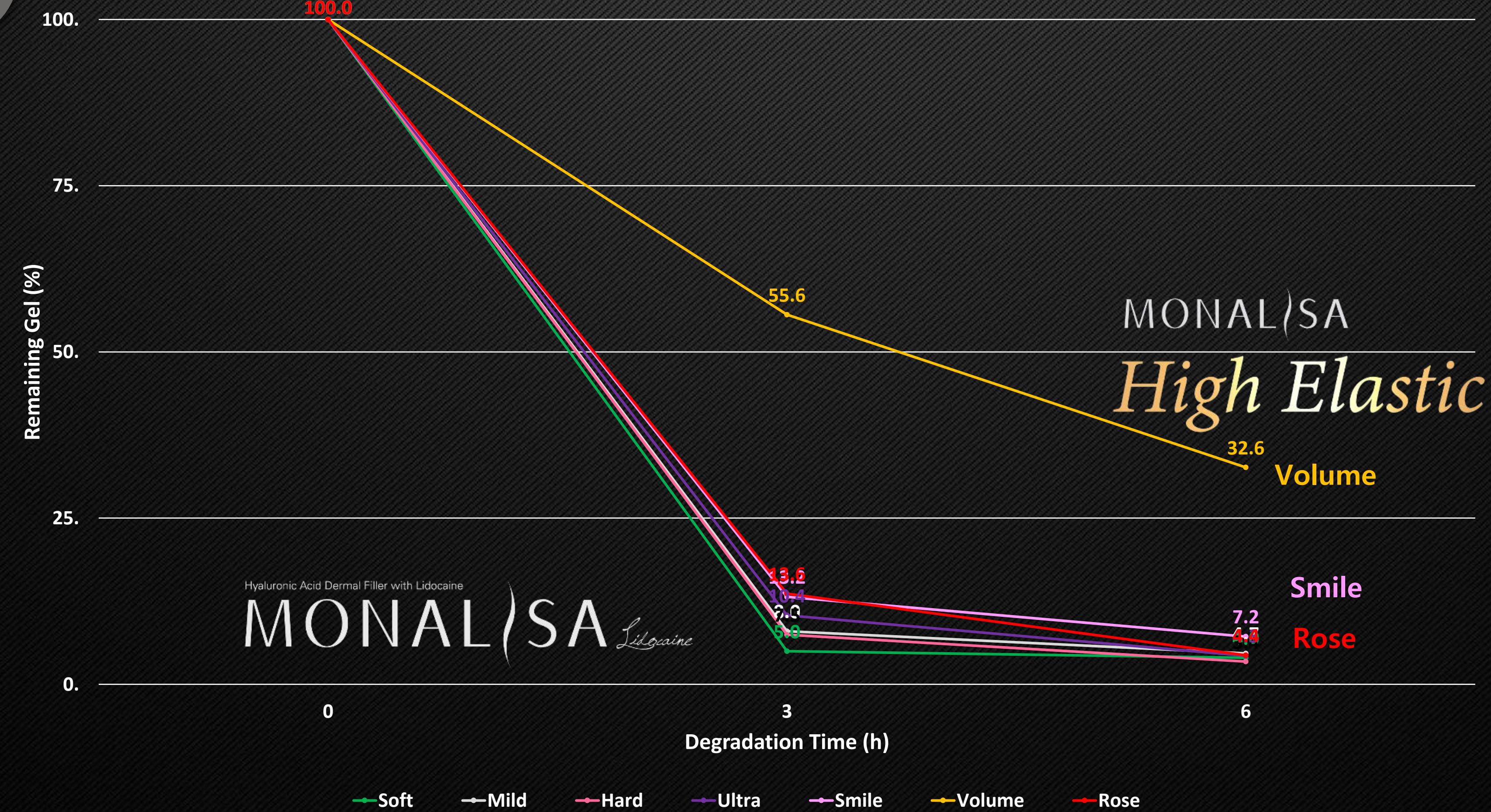


Cohesion (응집력)



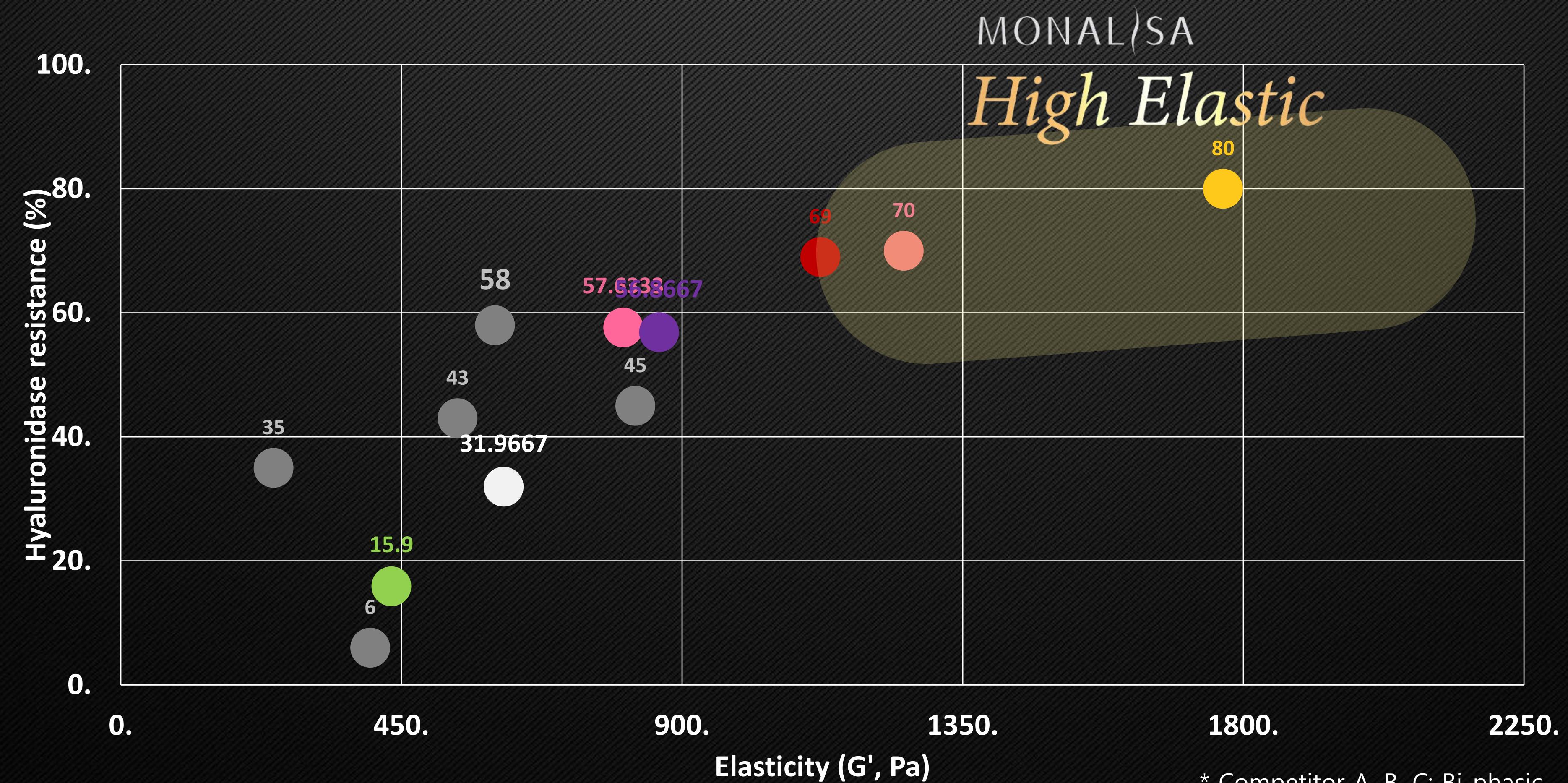
MONALISA High Elastic

Degradation
(*in vitro*)



Comparison of physical properties with 5 third-party products

High elasticity and durability compared to other companies



MONALISA High Elastic Indications & Intended use

MONALISA
High Elastic



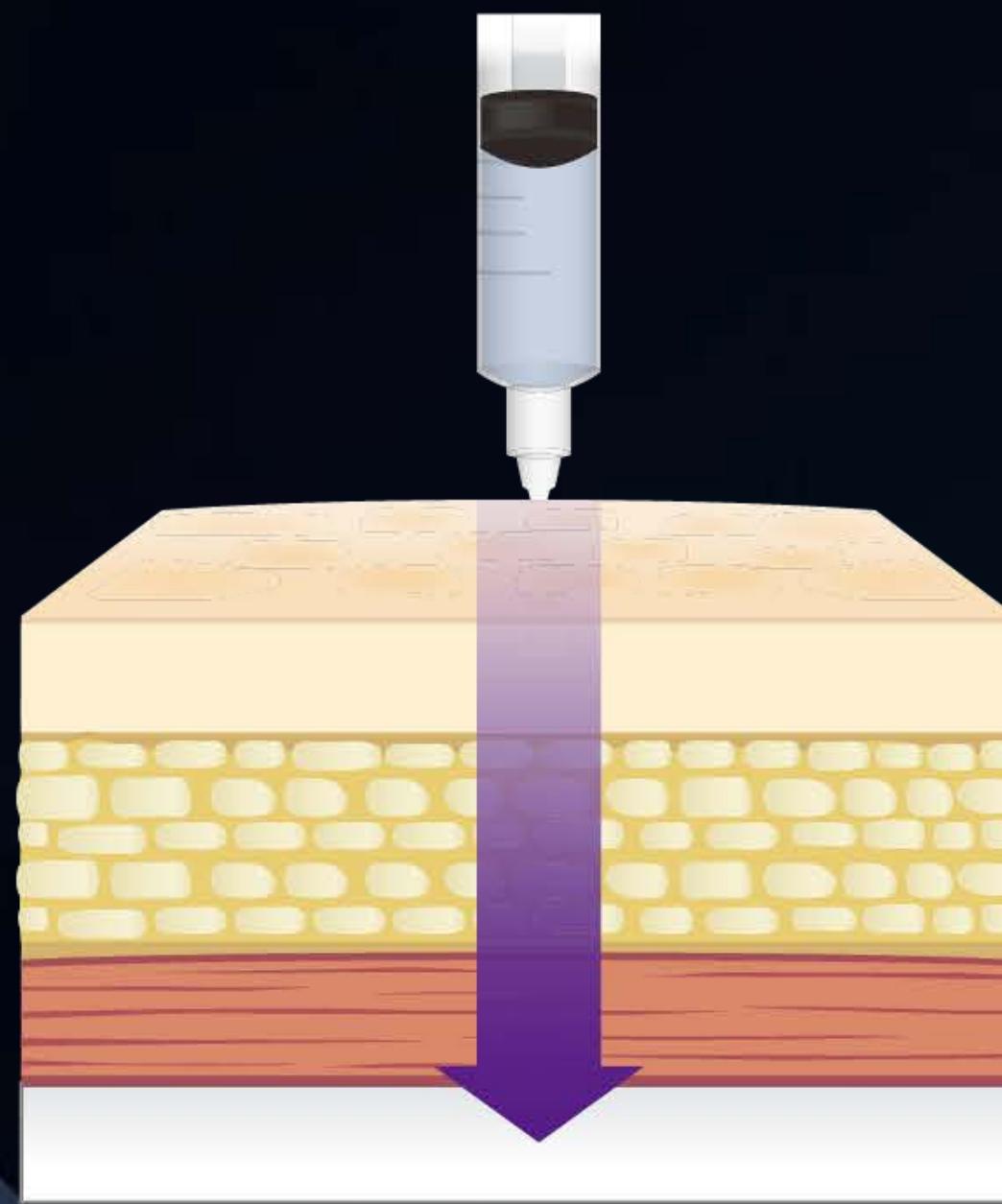
VOLUME

Nasal augmentation
Chin & Jawline



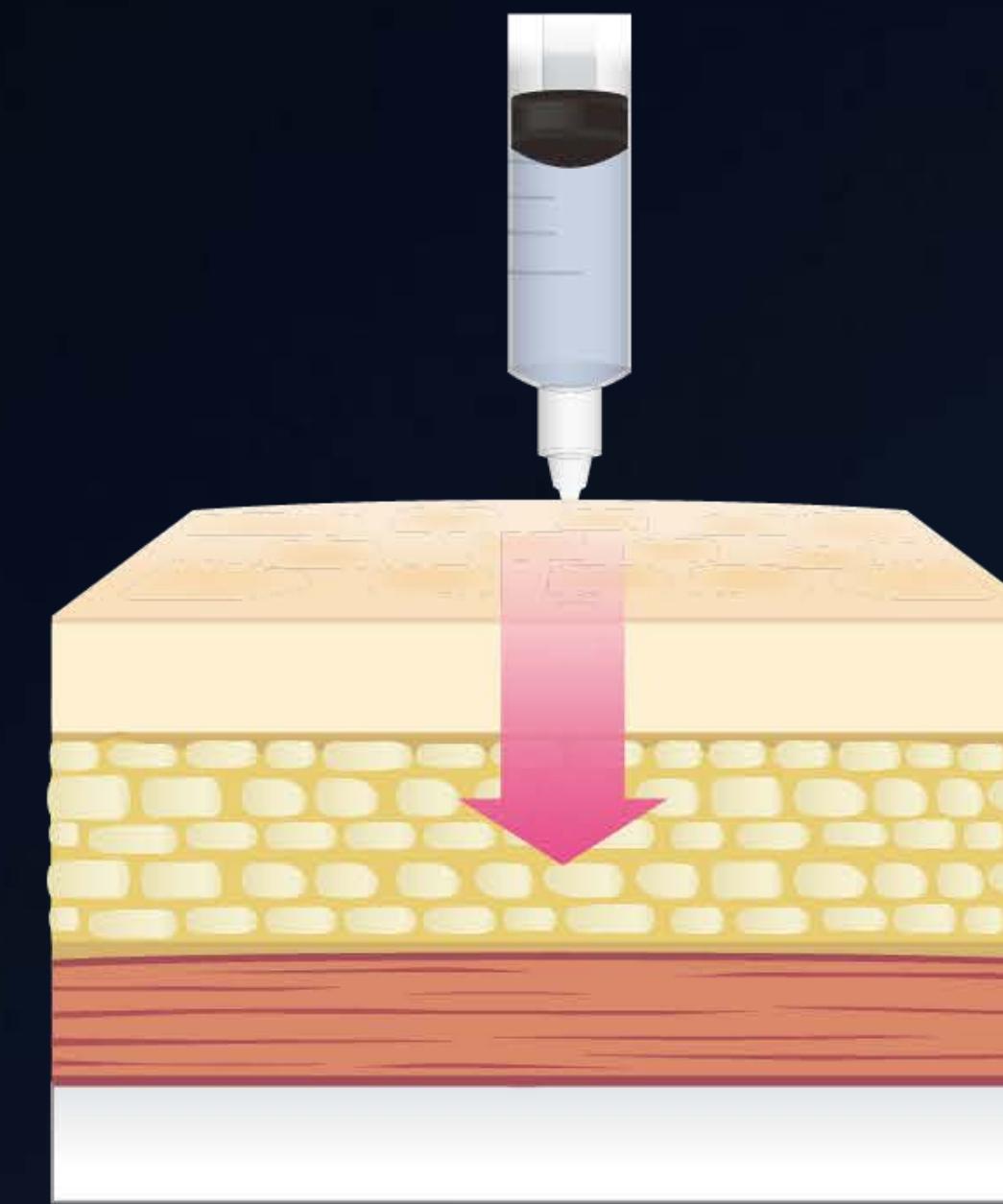
SMILE ROSE

Cheek volume
Forehead lines
Lips



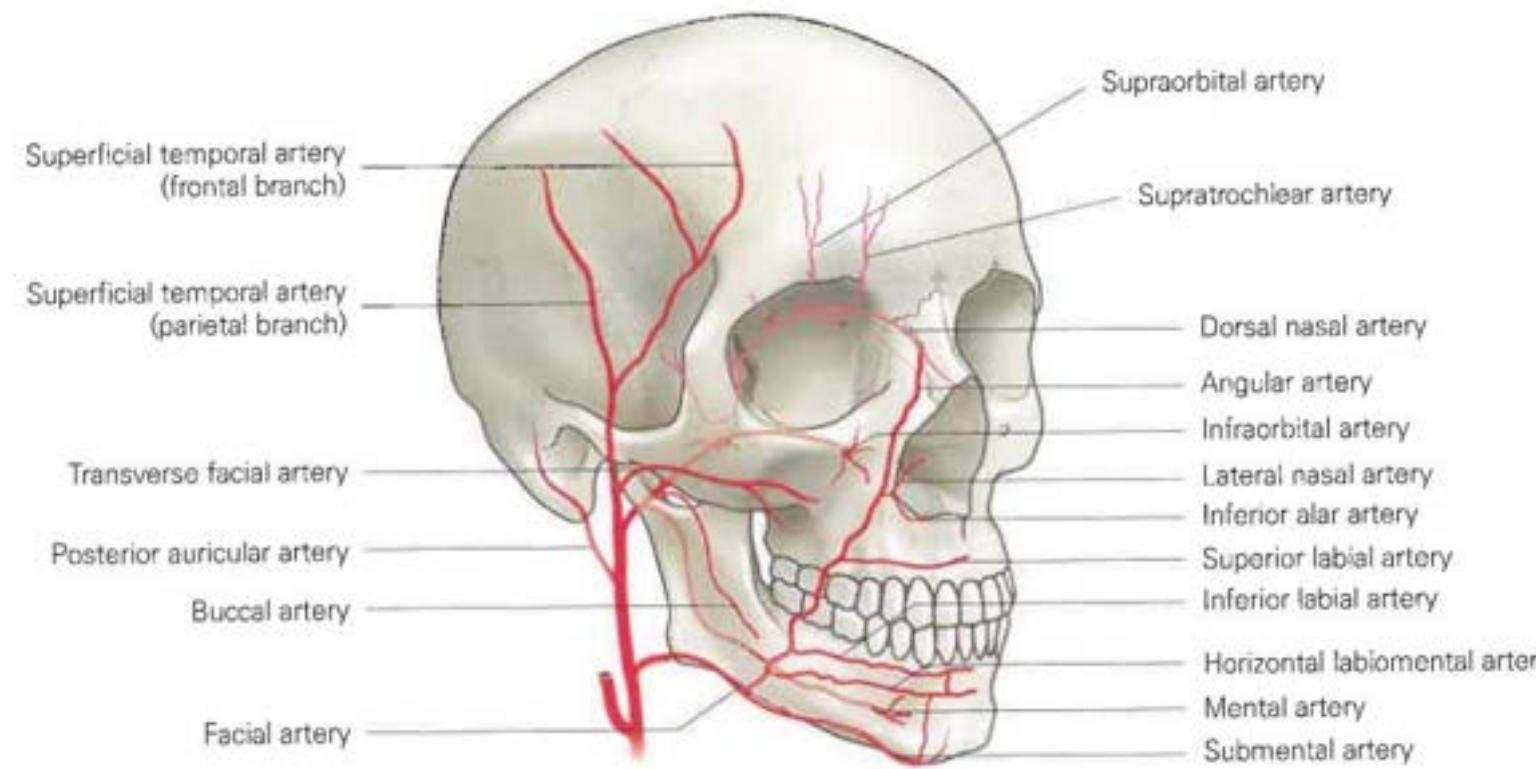
Bone contact

Epidermis
Dermis
Subcutaneous tissue
Periosteum

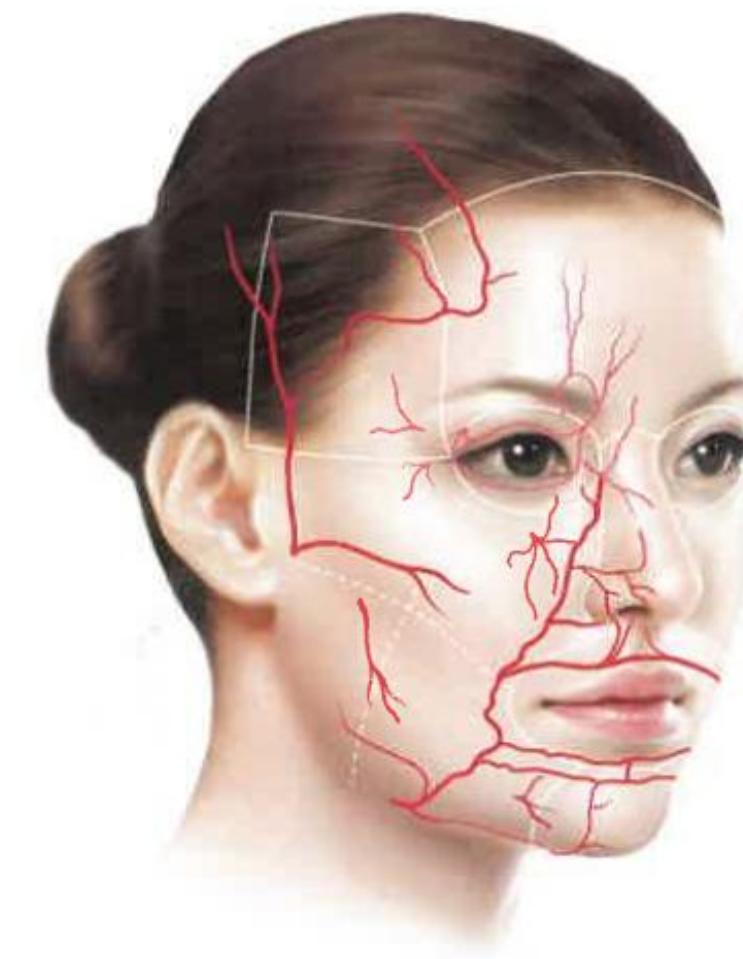


Middle layer

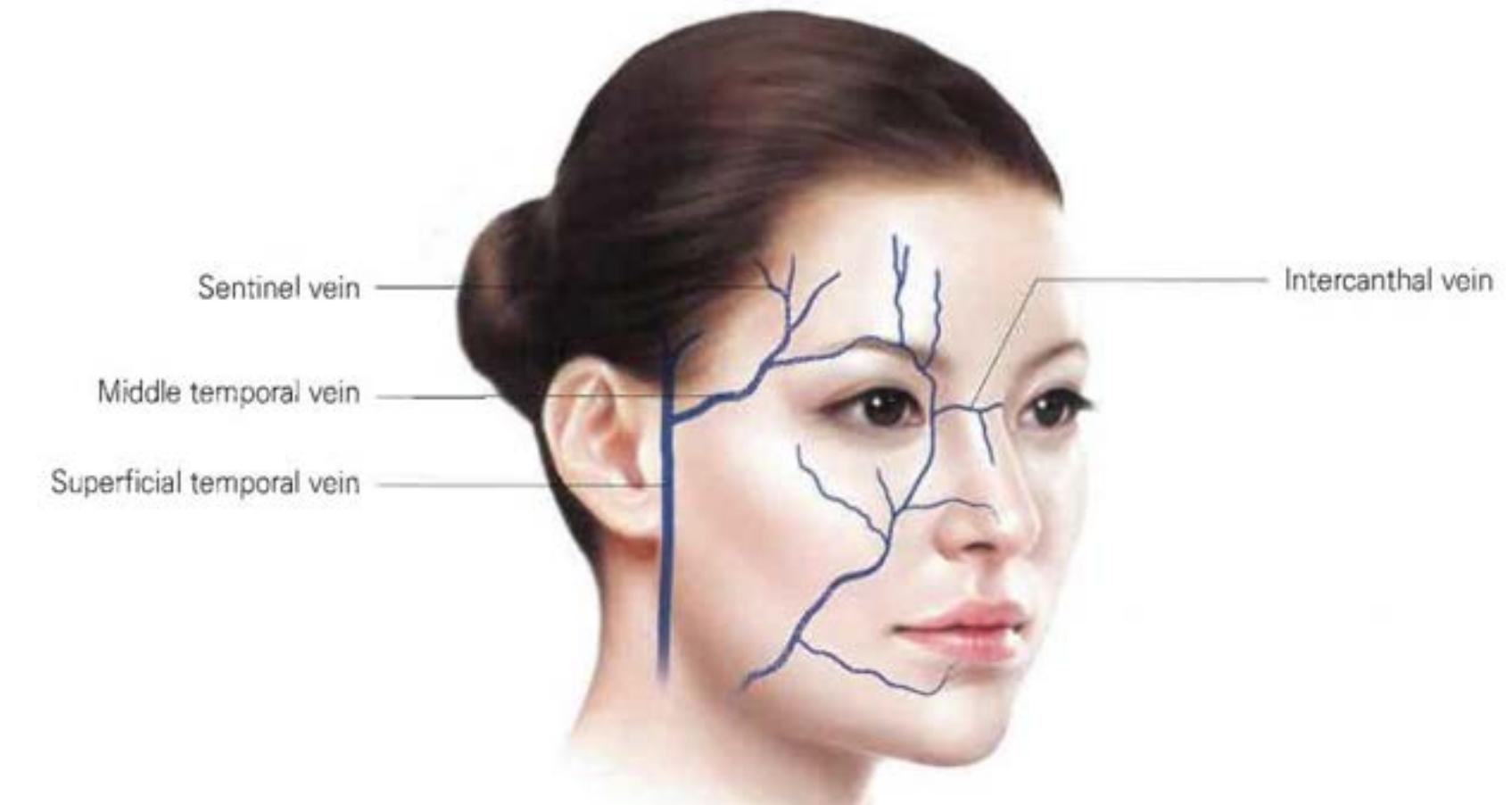
Epidermis
Dermis
Subcutaneous tissue
Periosteum



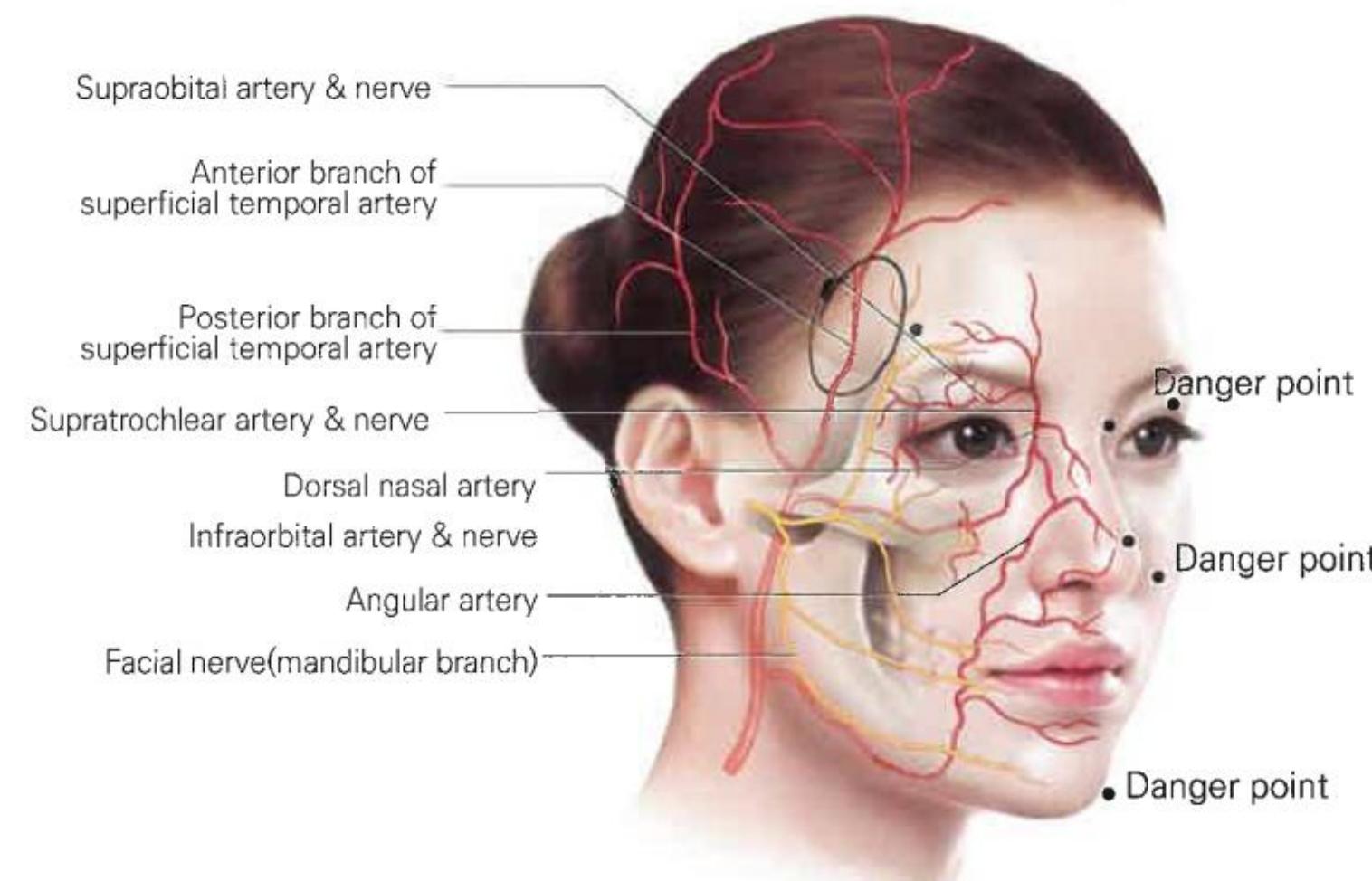
▲ Arterial branches of face



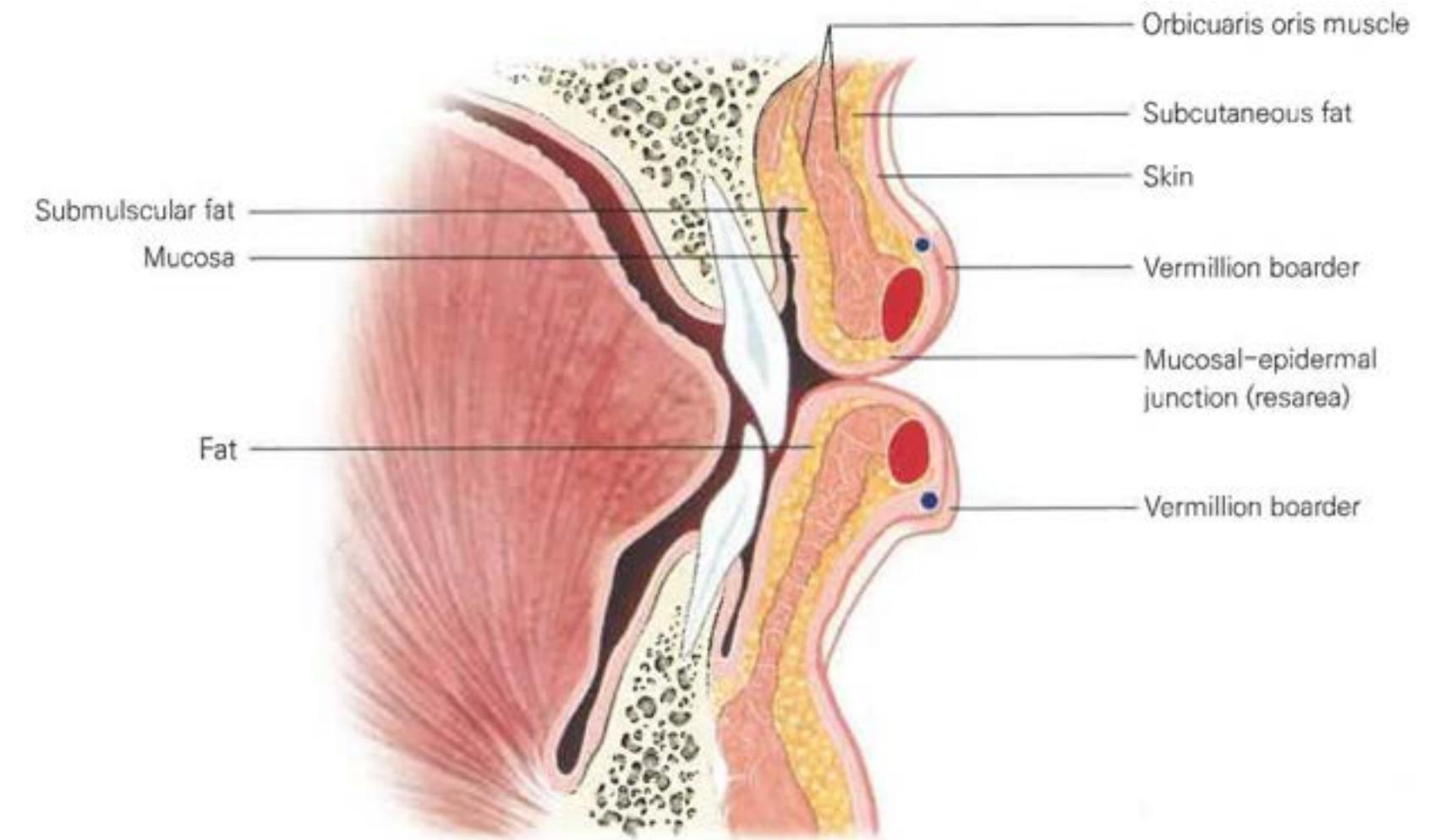
▲ Arteries supplying facial regions



▲ Veins of face



▲ The blood supply of lateral forehead area



▲ Sagittal section of the lip

Application site



Bone contact touch (Deep fatty layer)

- Long-lasting
- Deep wrinkle improvement



Superficial skin (Superficial fatty layer)

- maintain a natural and smooth appearance
- low invasiveness

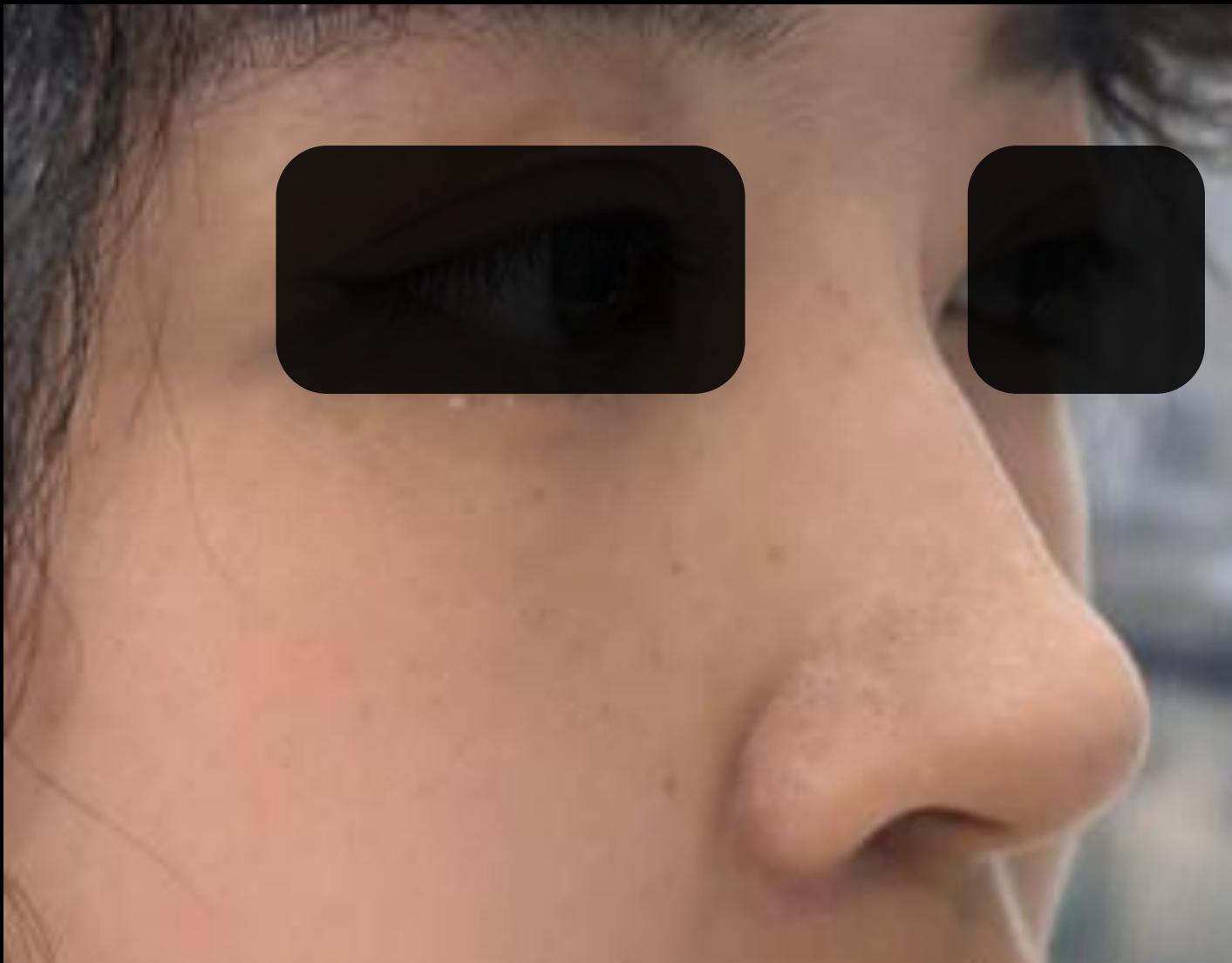
Nose

Dangerous Part, so Use **Bone contact Technique**

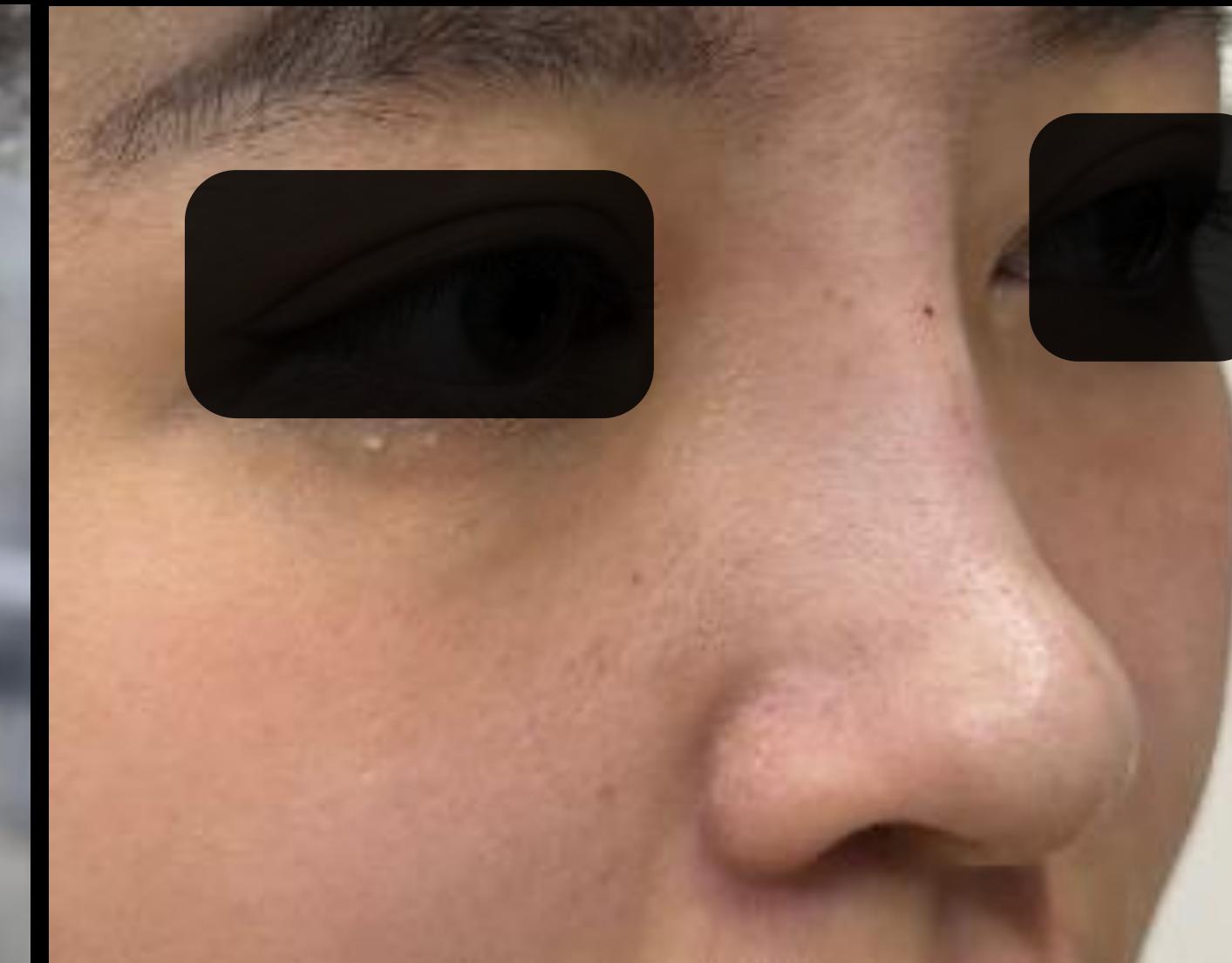
Contact cartilage **as deep as possible**

The right side

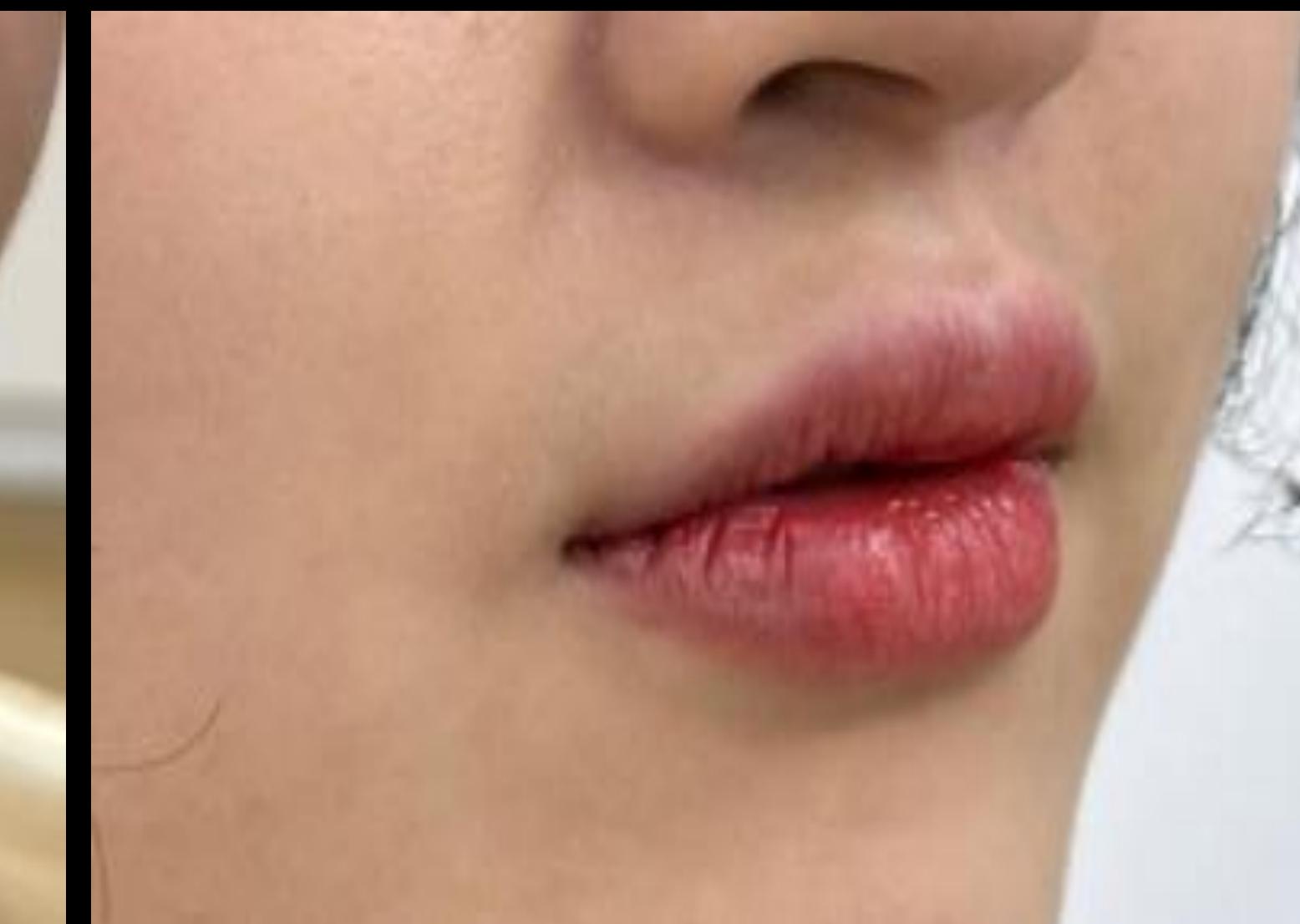
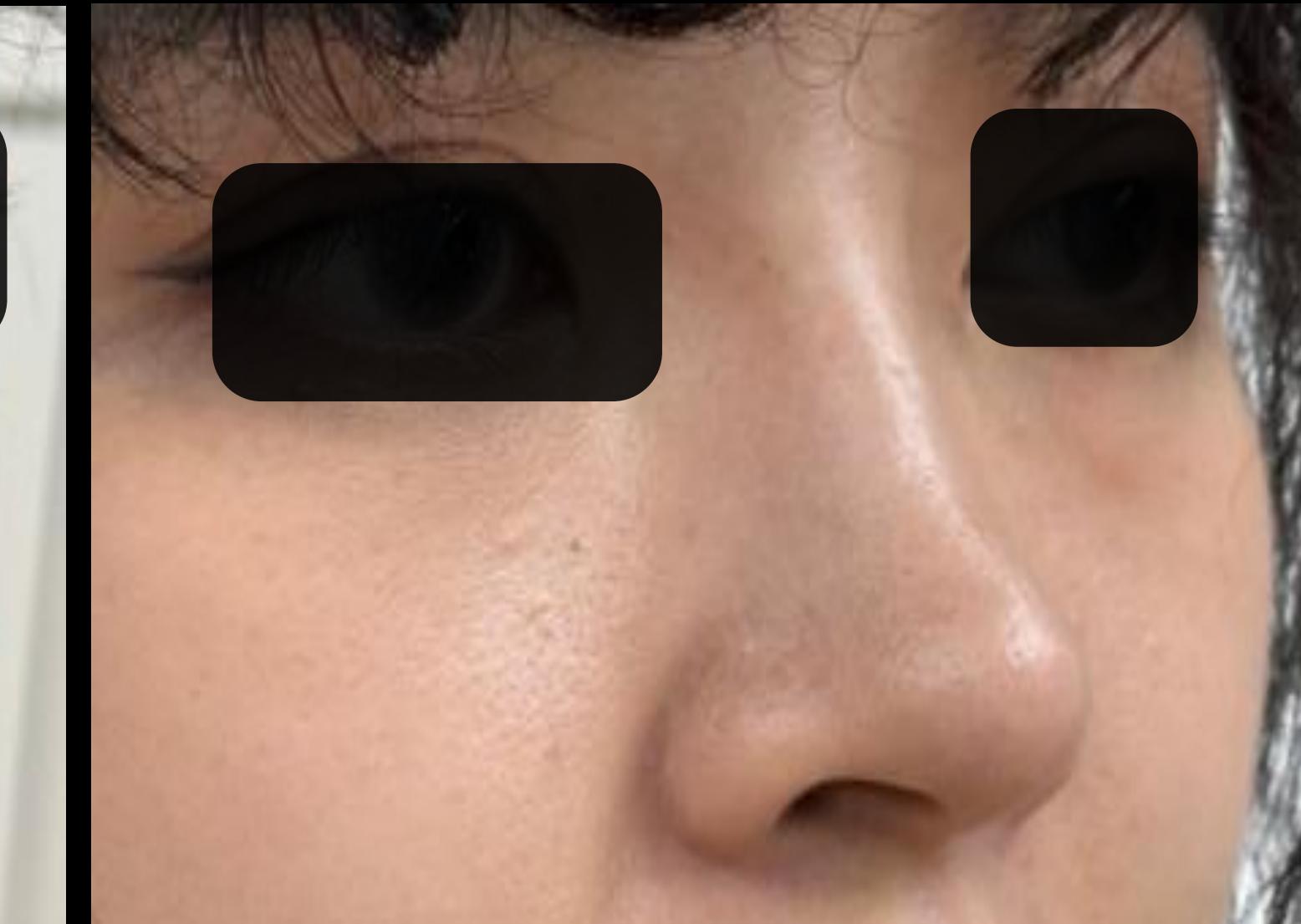
Before (2024-01-17)



After (2024-01-17)



After 2W (2024-01-31)

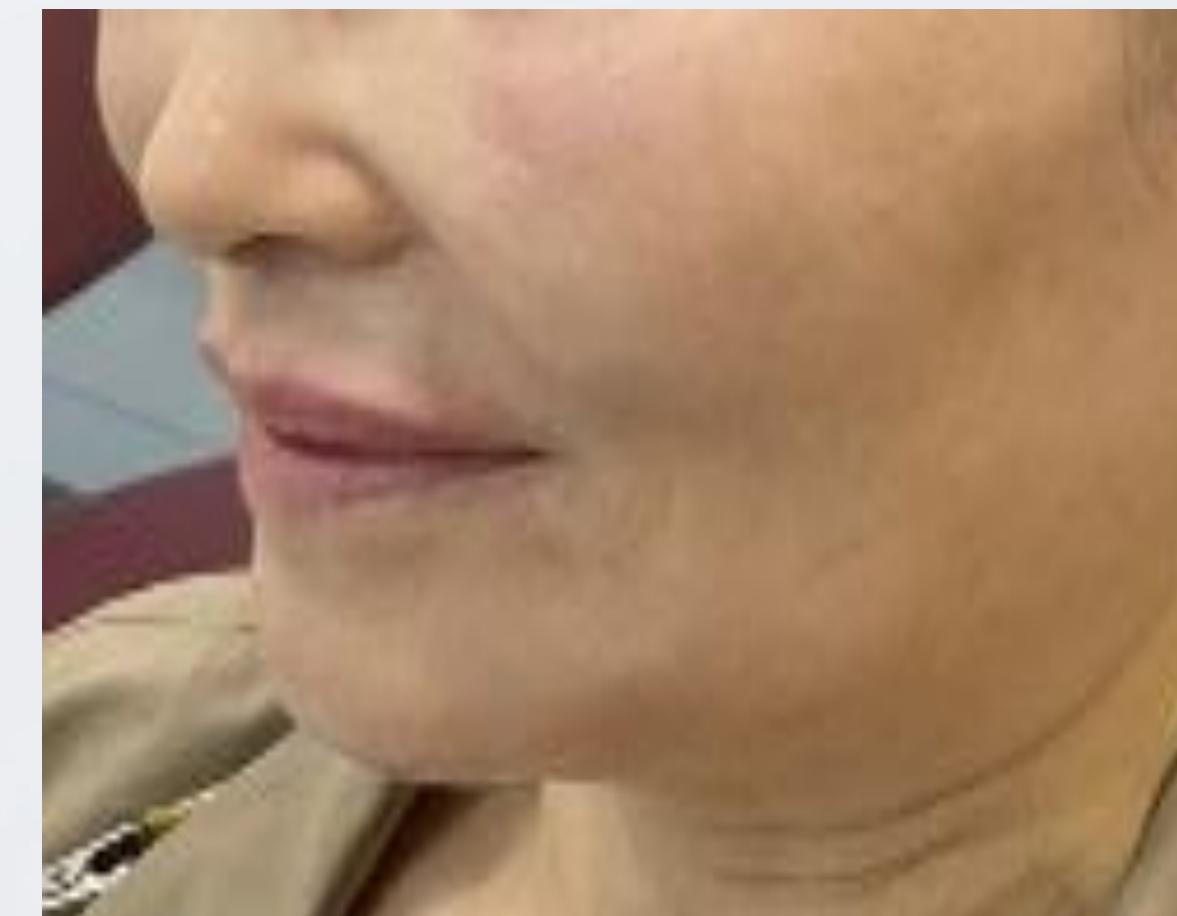


Jaw Contour

Dangerous Part, so Use **Bone contact Technique**

Contact cartilage **as deep as possible**

Jaw Contour



Before

After

2 Weeks Later

6 Months Later

Marionette Line

Hard – Work multiple muscles

Volume up around Line

Superficial injection

Muscle massage or Stretch of depressor angular oris

Marionette Line, Lip, Chin



Before



After



2 Weeks Later

Lips, Nasolabial folds, Mental crease



Before



After



2 Weeks Later

Needle or cannula

2 layer

Bone contact - stable and natural volume up - over 5 years

Just below dermis - reduce shallow wrinkles

Hyaluronic acid - highly elastic and large size

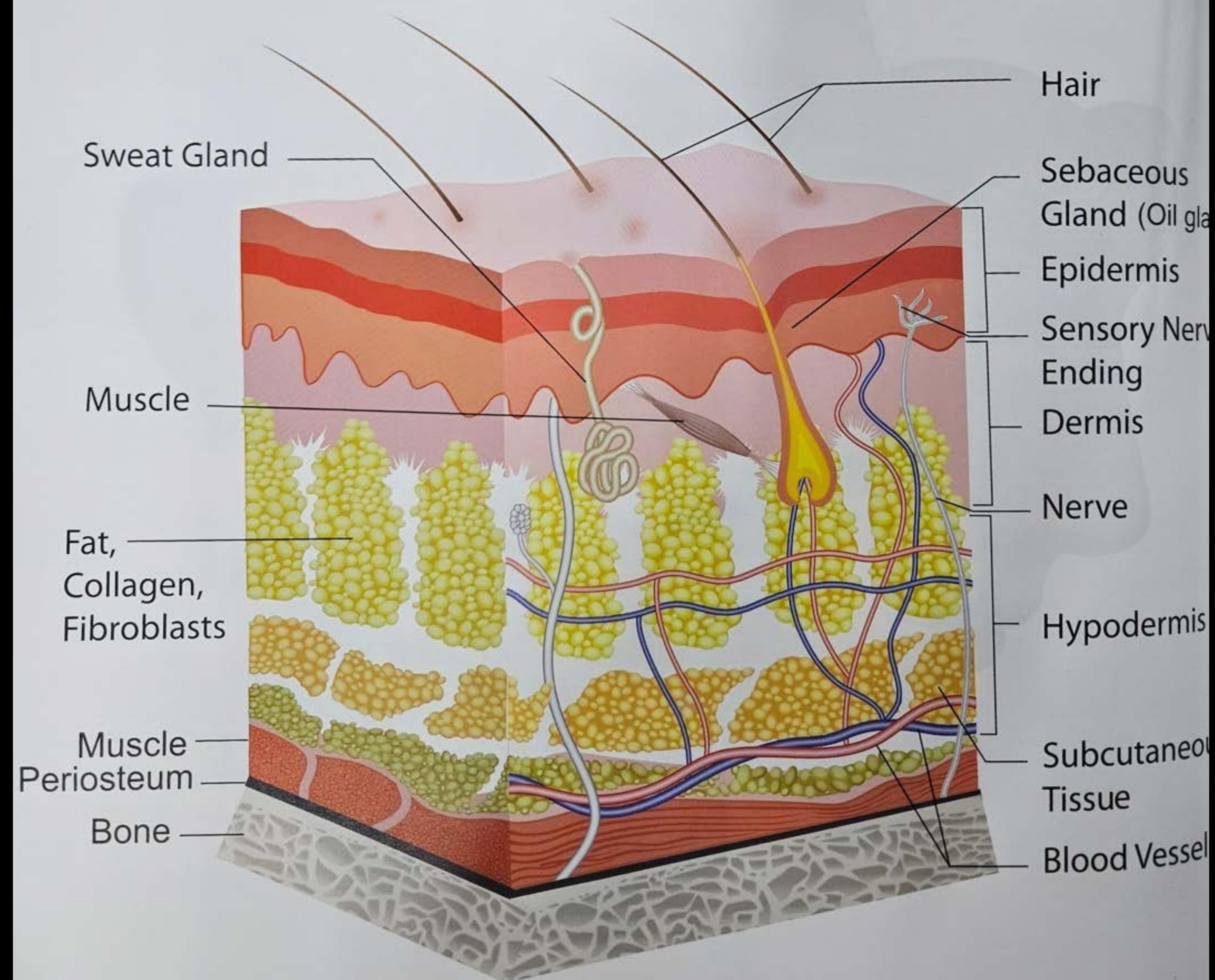
Advantages of bone contacts injection

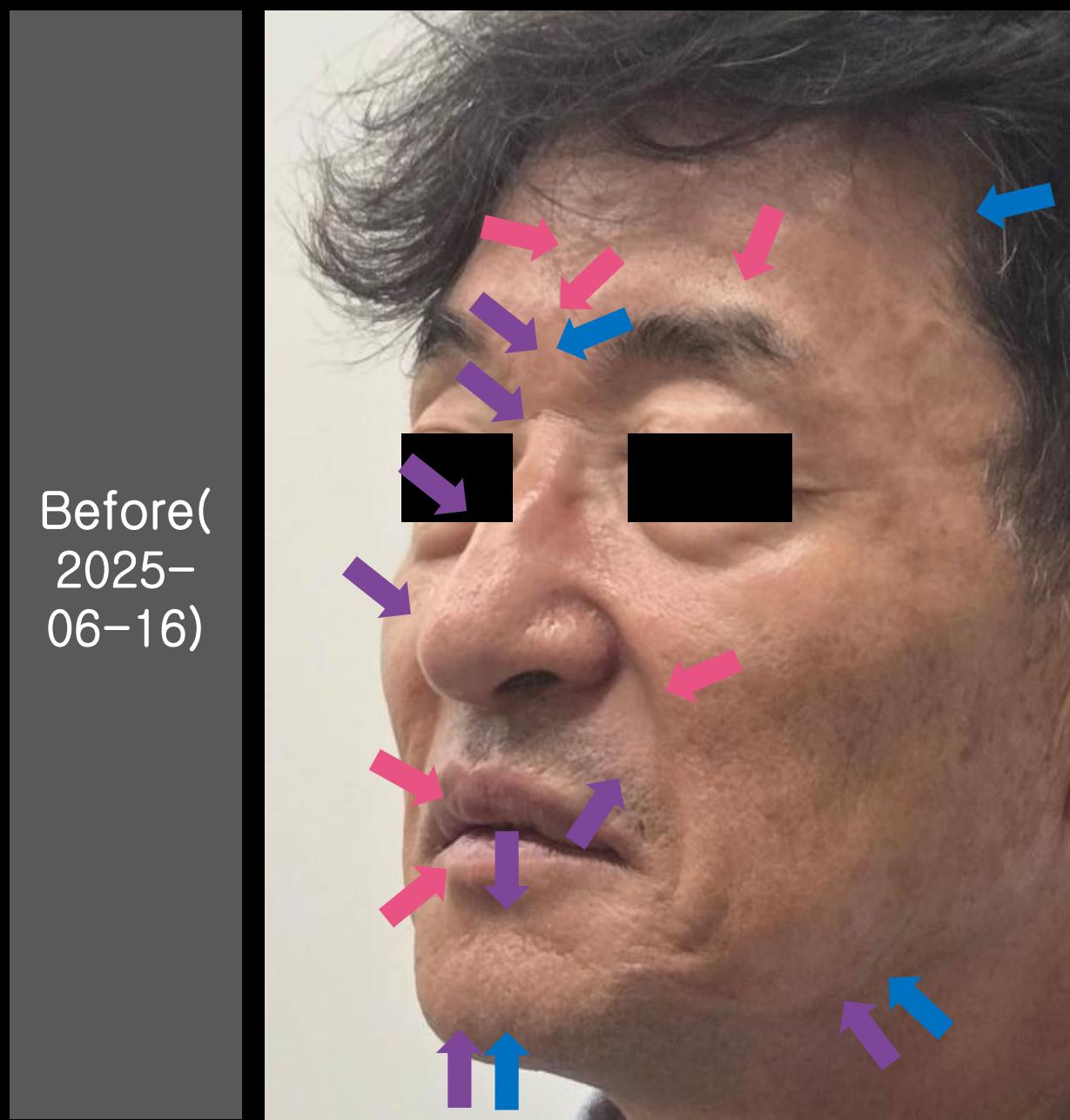
To avoid the blood vessels and nerves

Natural volume up

Stable and longterm sustained

With needle instead cannulas - less soft tissue injury

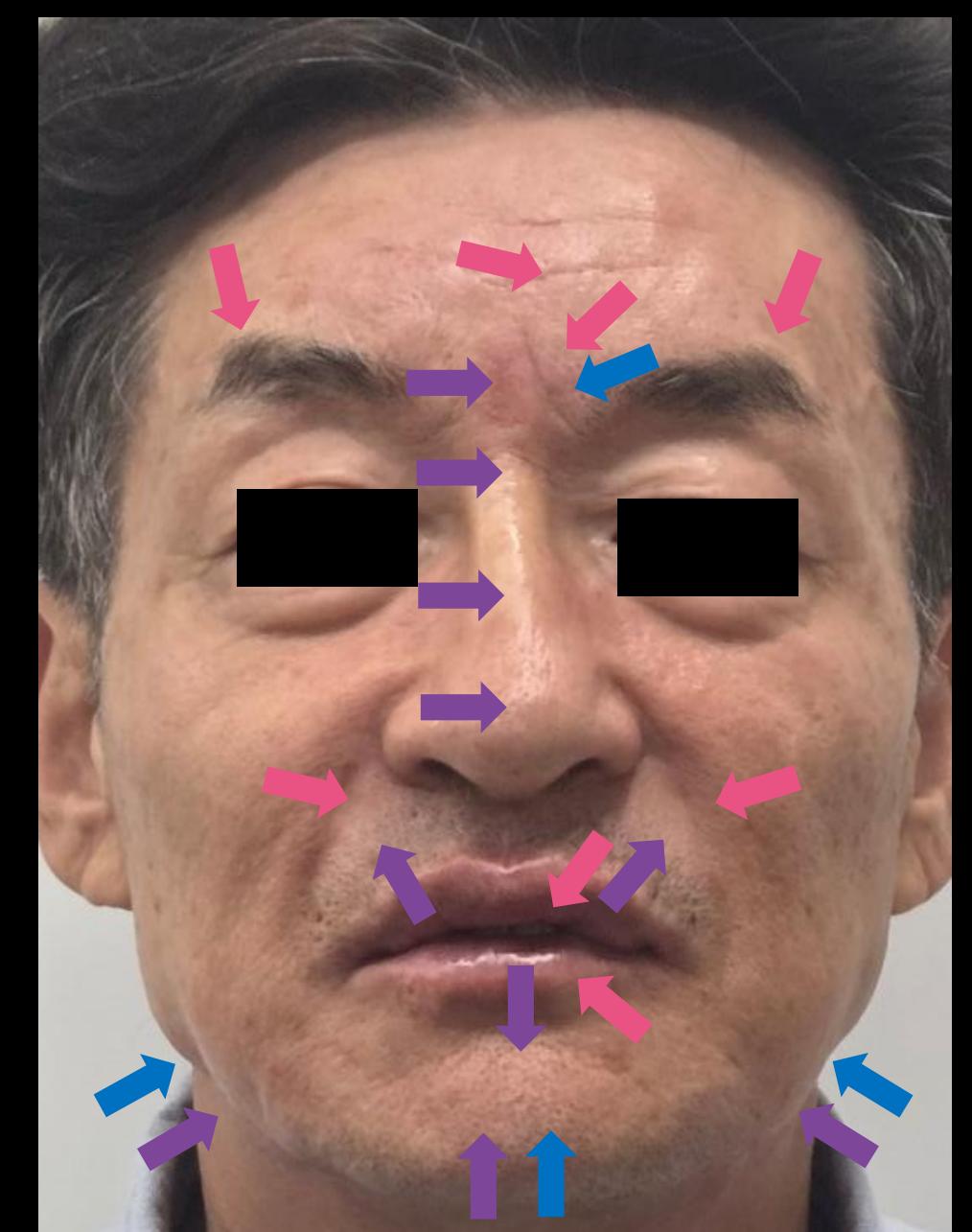
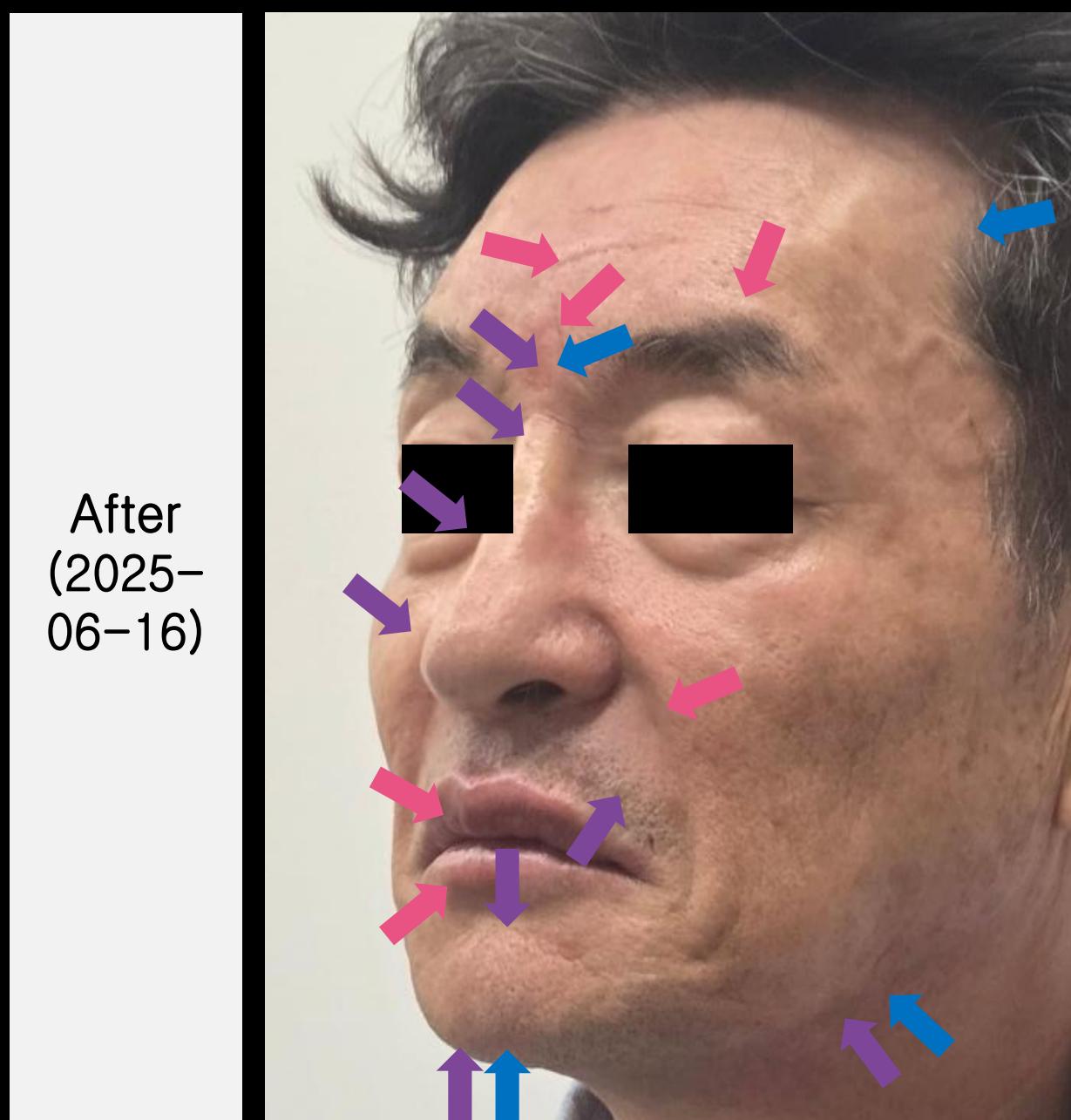




Application site

High ↘

- Glabellus
- Nose
- Nose Tip
- Frown Lines
- Chin
- Jaw Contours



Rose ↘

- Frown Lines
- Forehead
- Glabellus
- Nasolabial Folds
- Lips

Botulinum toxin ↘

- Procerus
- Temporalis
- Masseter
- Mentalis

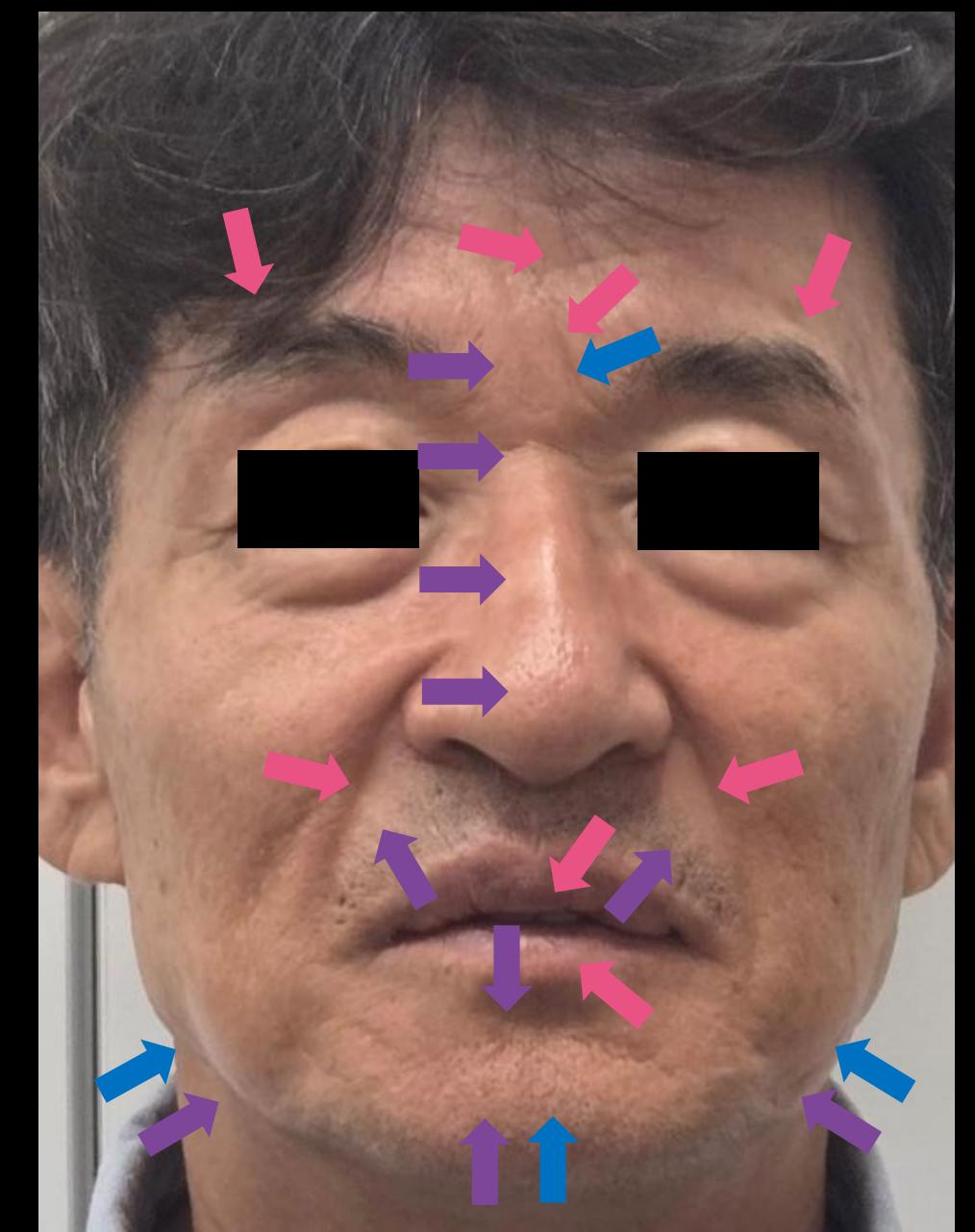
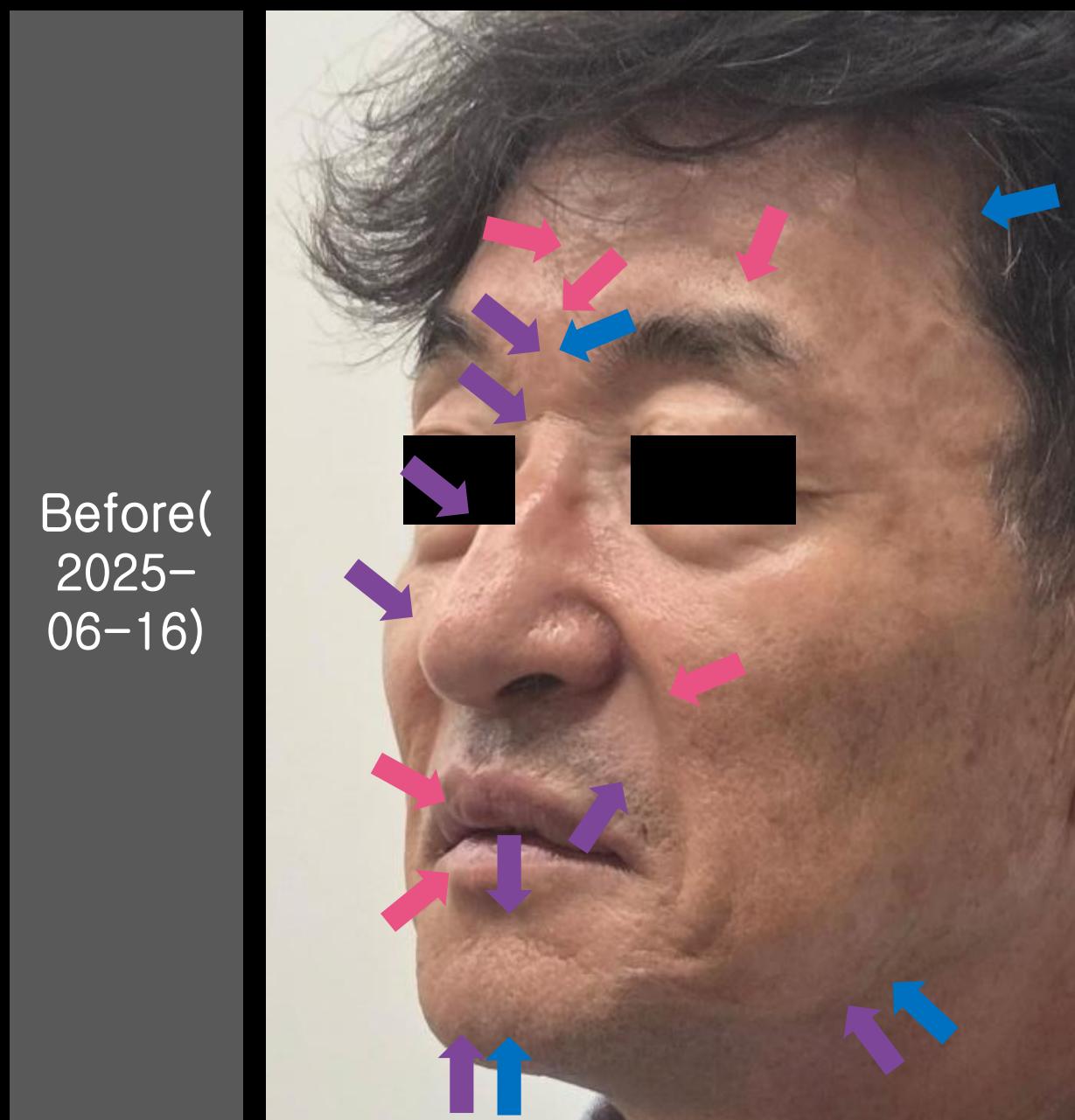
Hyaluronic Acid Dermal Filler

MONALISA

Long-term Volume Up



68p filler VOD 5



Application site

High ↘

- Glabellus
- Nose
- Nose Tip
- Frown Lines
- Chin
- Jaw Contours

Rose ↘

- Frown Lines
- Forehead
- Glabellus
- Nasolabial Folds
- Lips

Botulinum toxin ↘

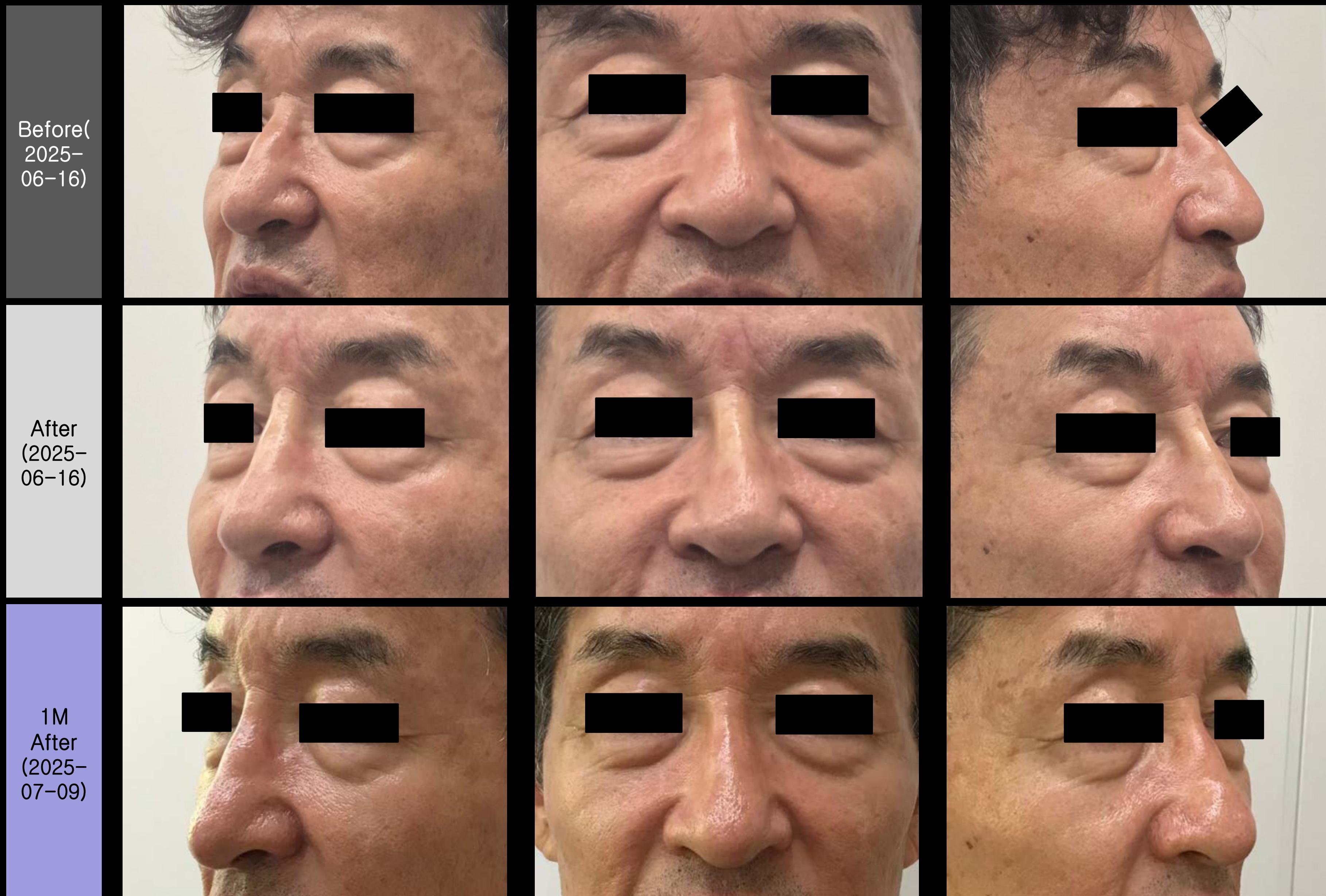
- Procerus
- Temporalis
- Masseter
- Mentalis



Clinical Case : Forehead, Frown lines



Clinical case : Nose, Nose tip



Clinical case : Lip, Chin, Nasolabial fold



The left side

Before (2025-06-16)



After (2025-06-16)



1M after (2025-07-09)



The front of



The right side

Before (2025-06-16)



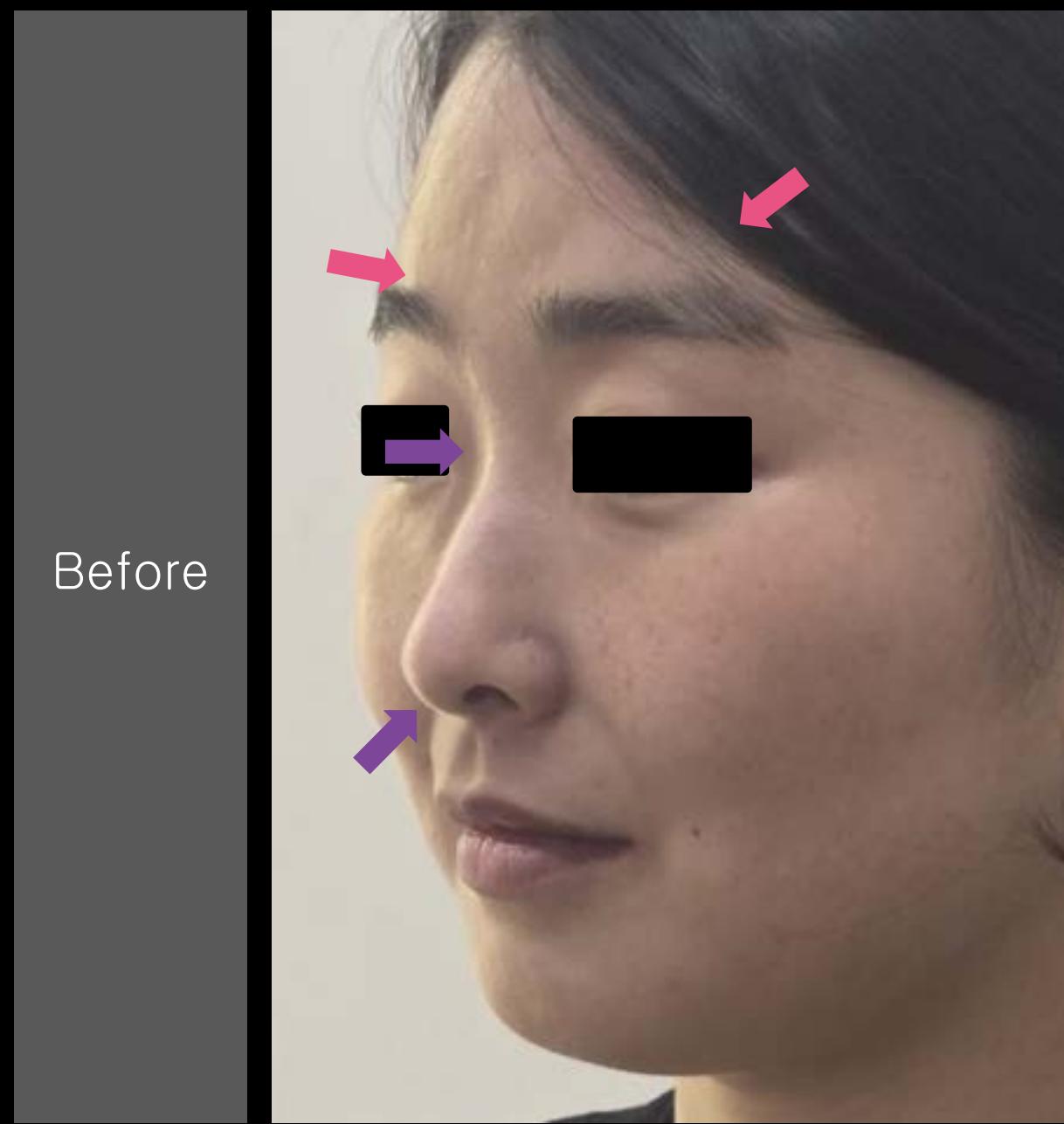
After (2025-06-16)



1M after (2025-07-09)



Goals of orthodontic
Esthetics - harmony of teeth and soft tissue
Function



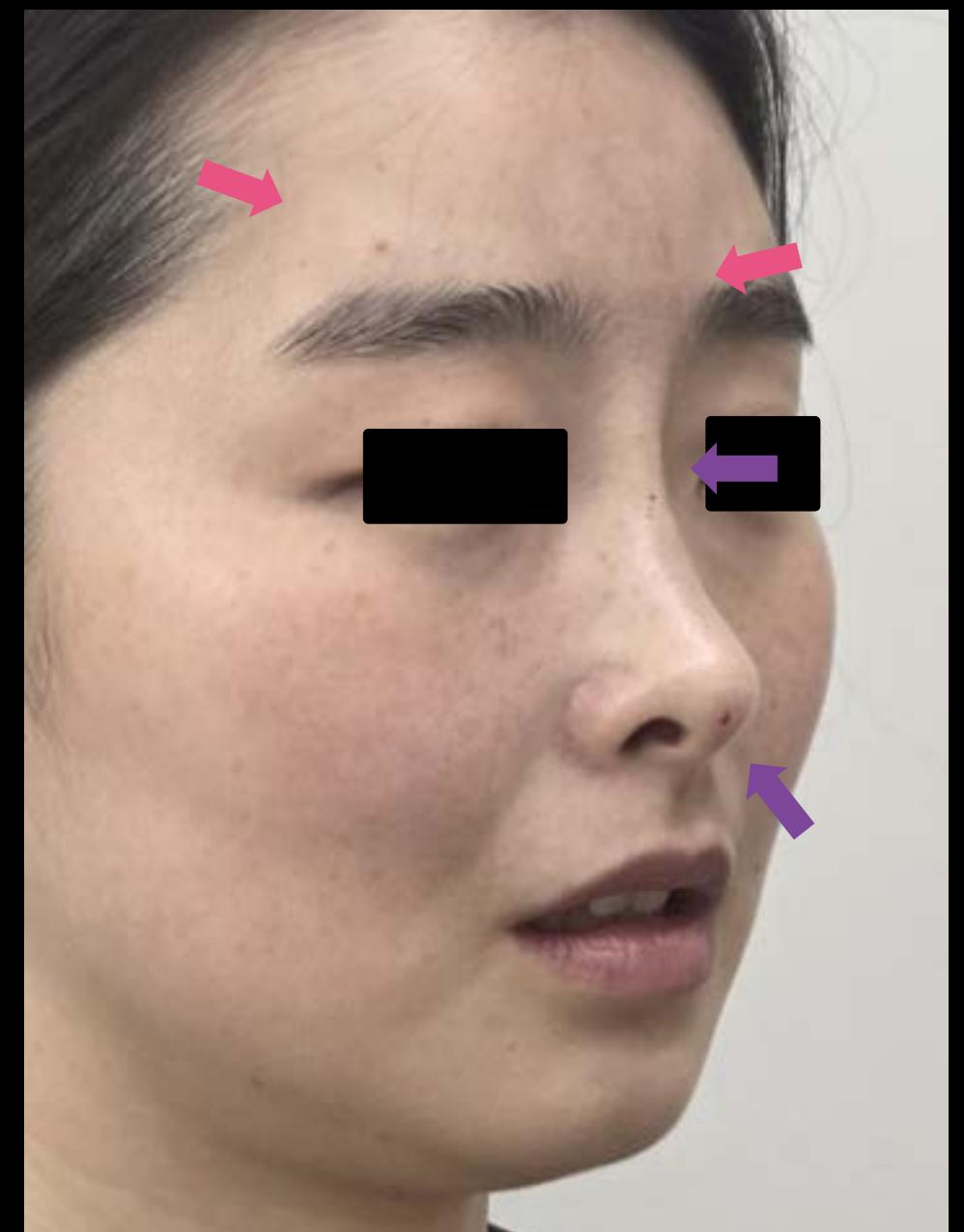
Application site

High ↗

- Nose
- Nose Tip

Rose ↗

- Forehead
- Frown Lines



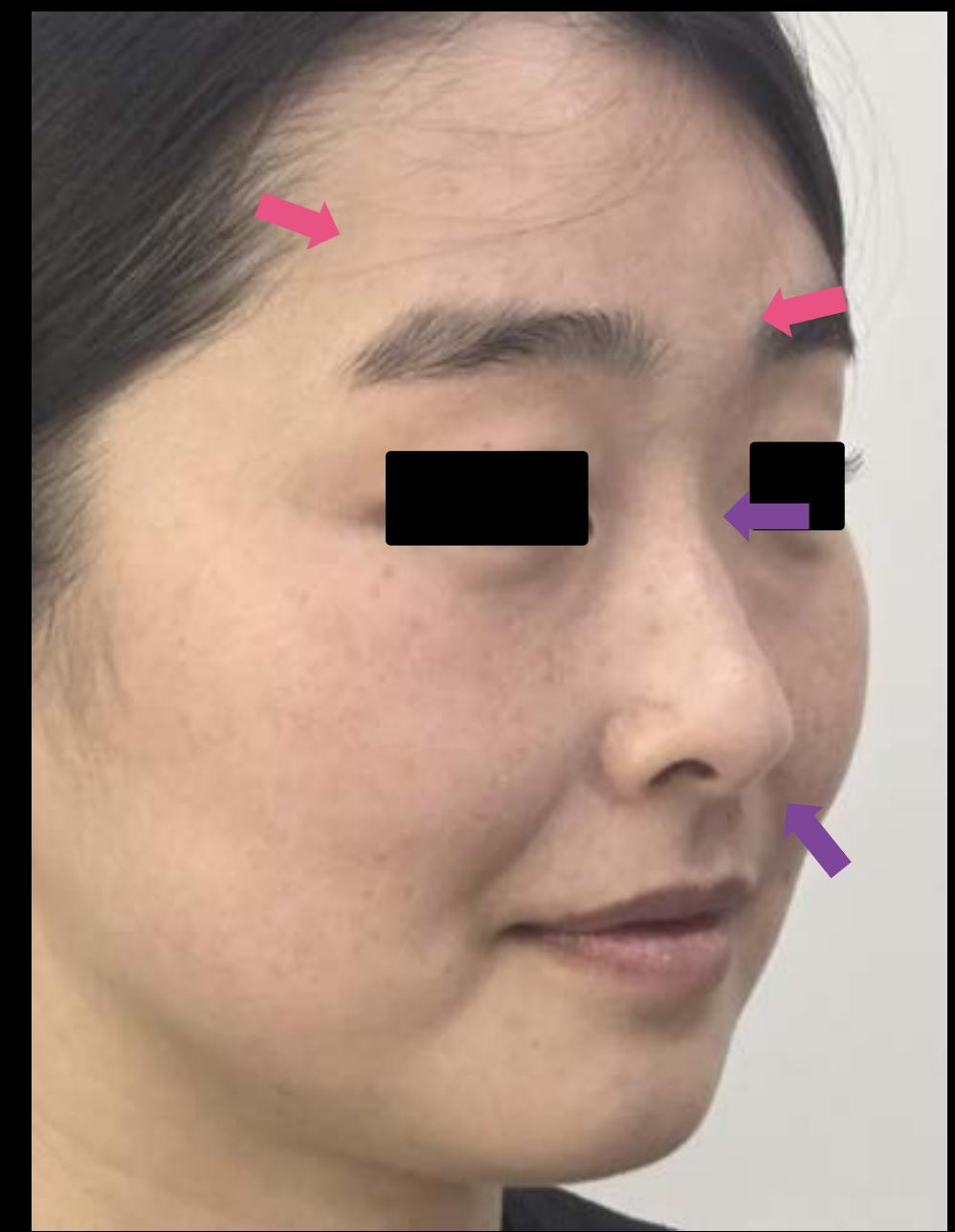
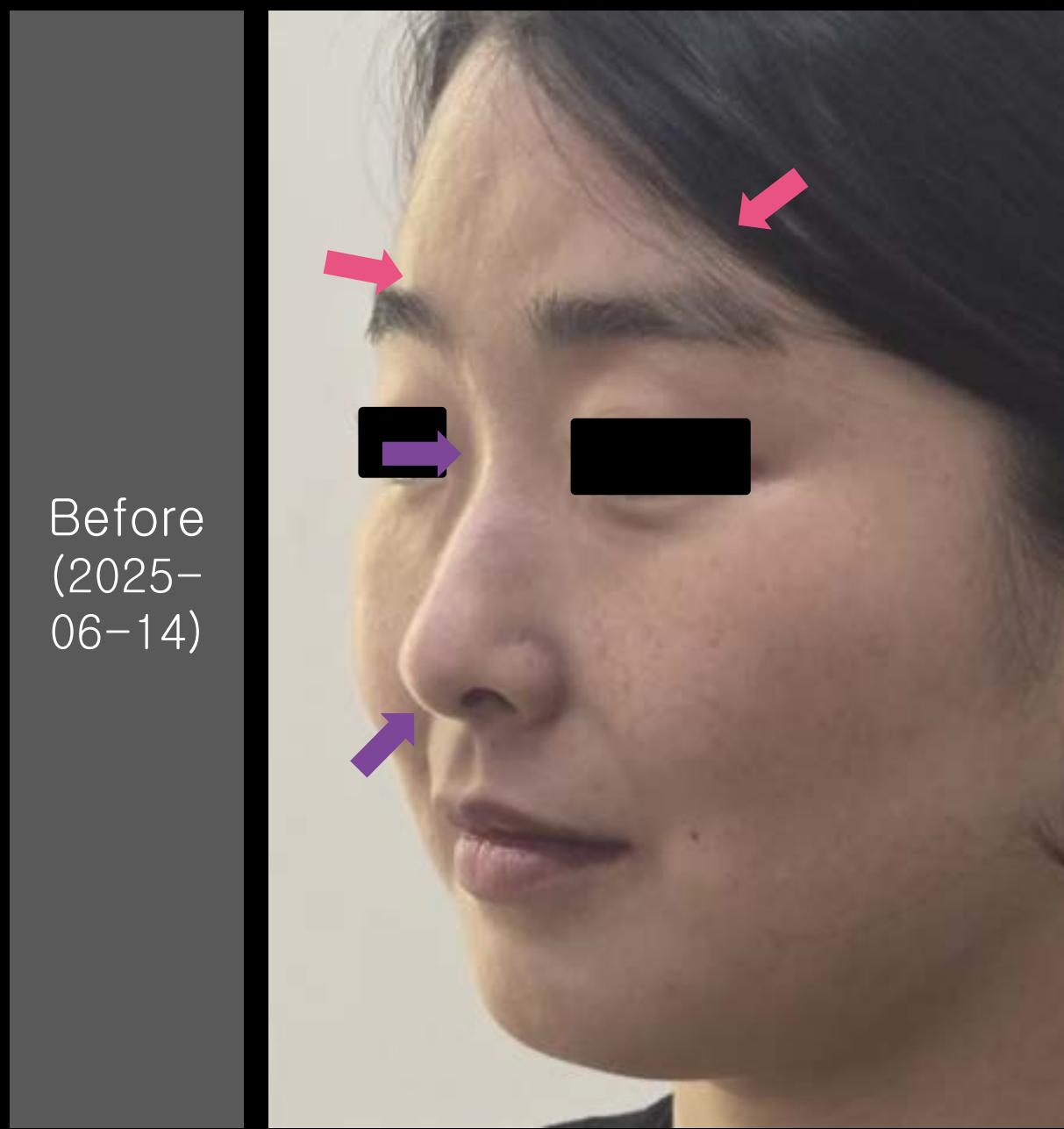
Hyaluronic Acid Dermal Filler

MONALISA

Long-term Volume Up



78p filler VOD 6



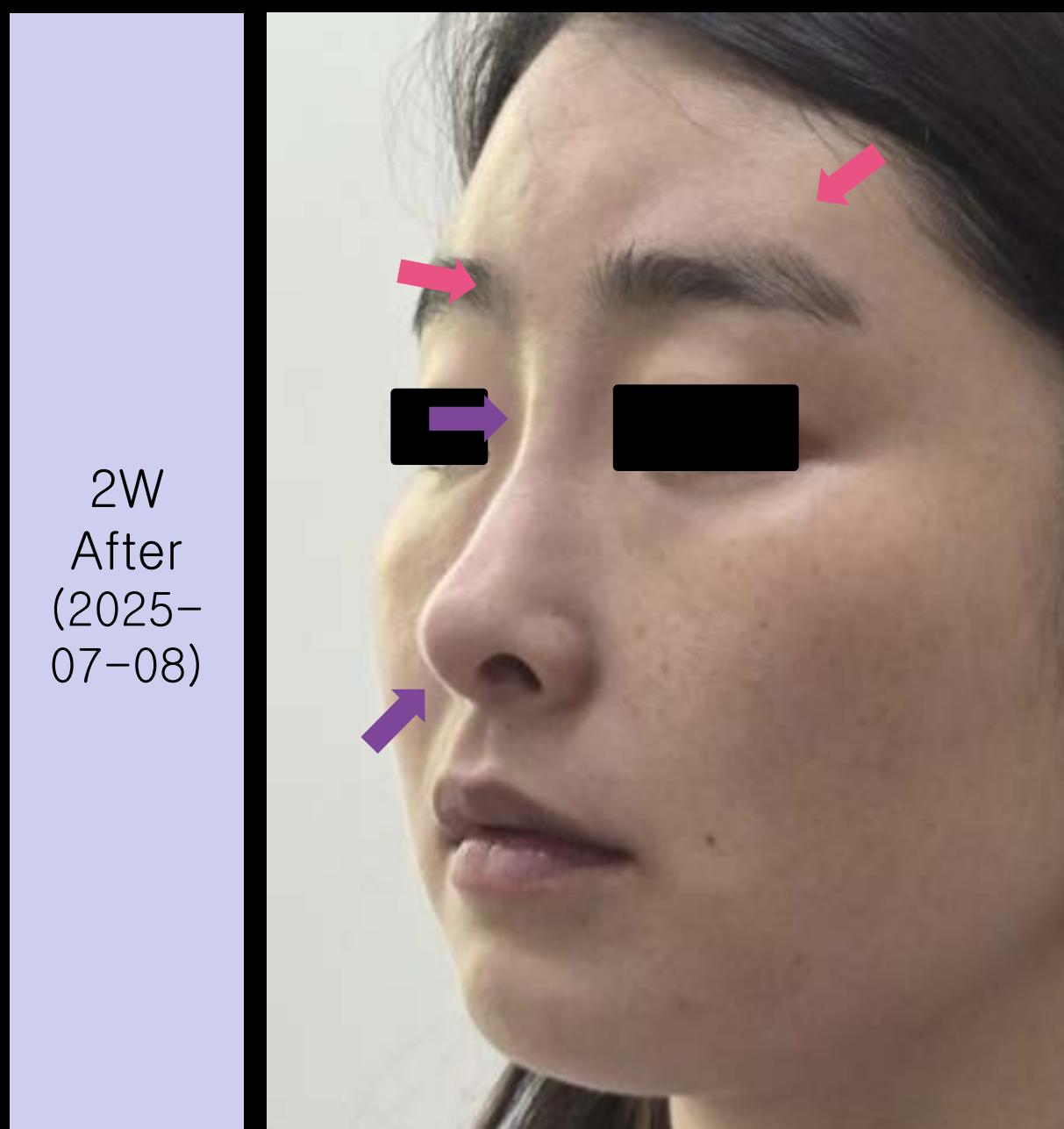
Application site

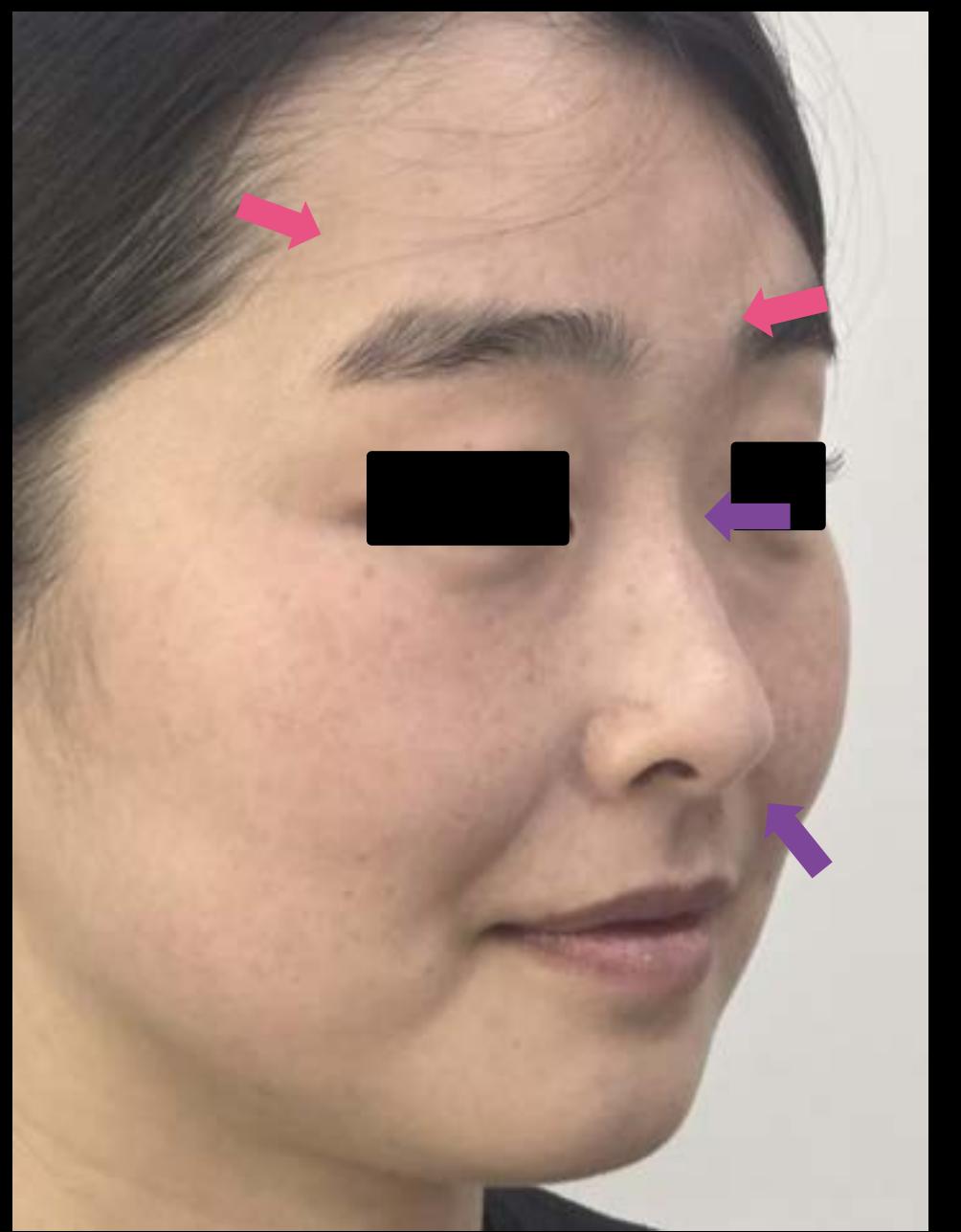
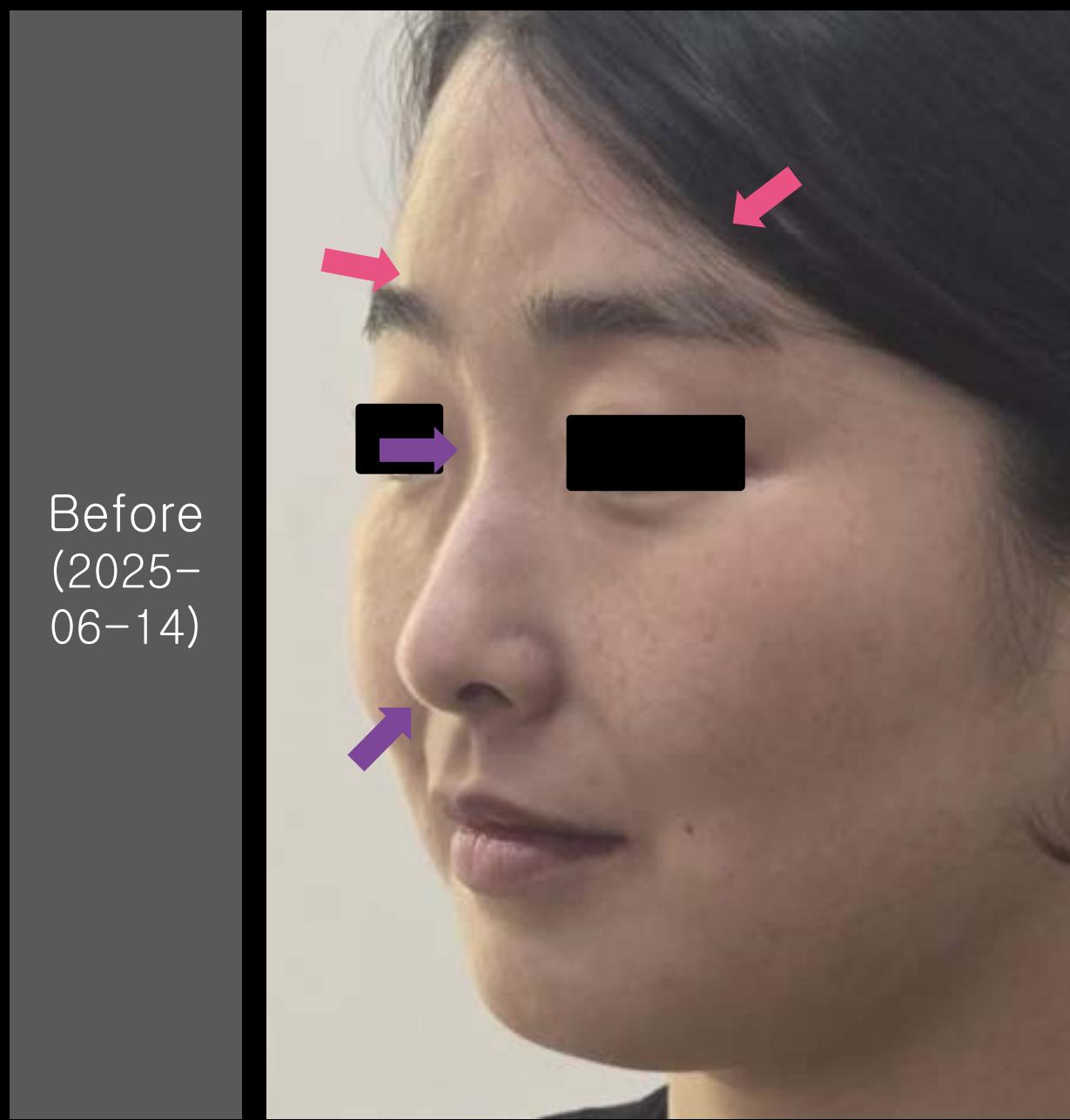
High ↗

- Nose
- Nose Tip

Rose ↗

- Forehead
- Frown Lines





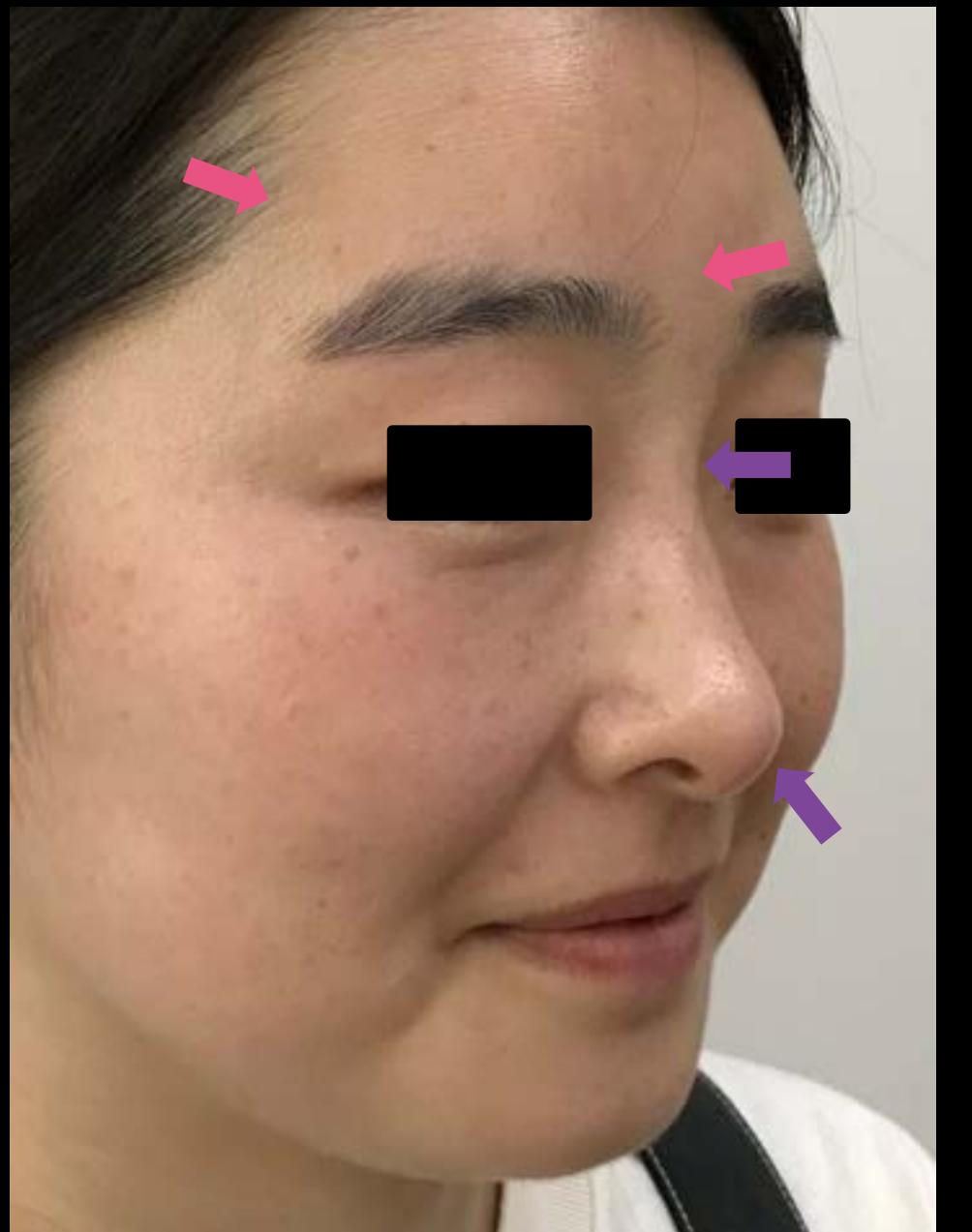
Application site

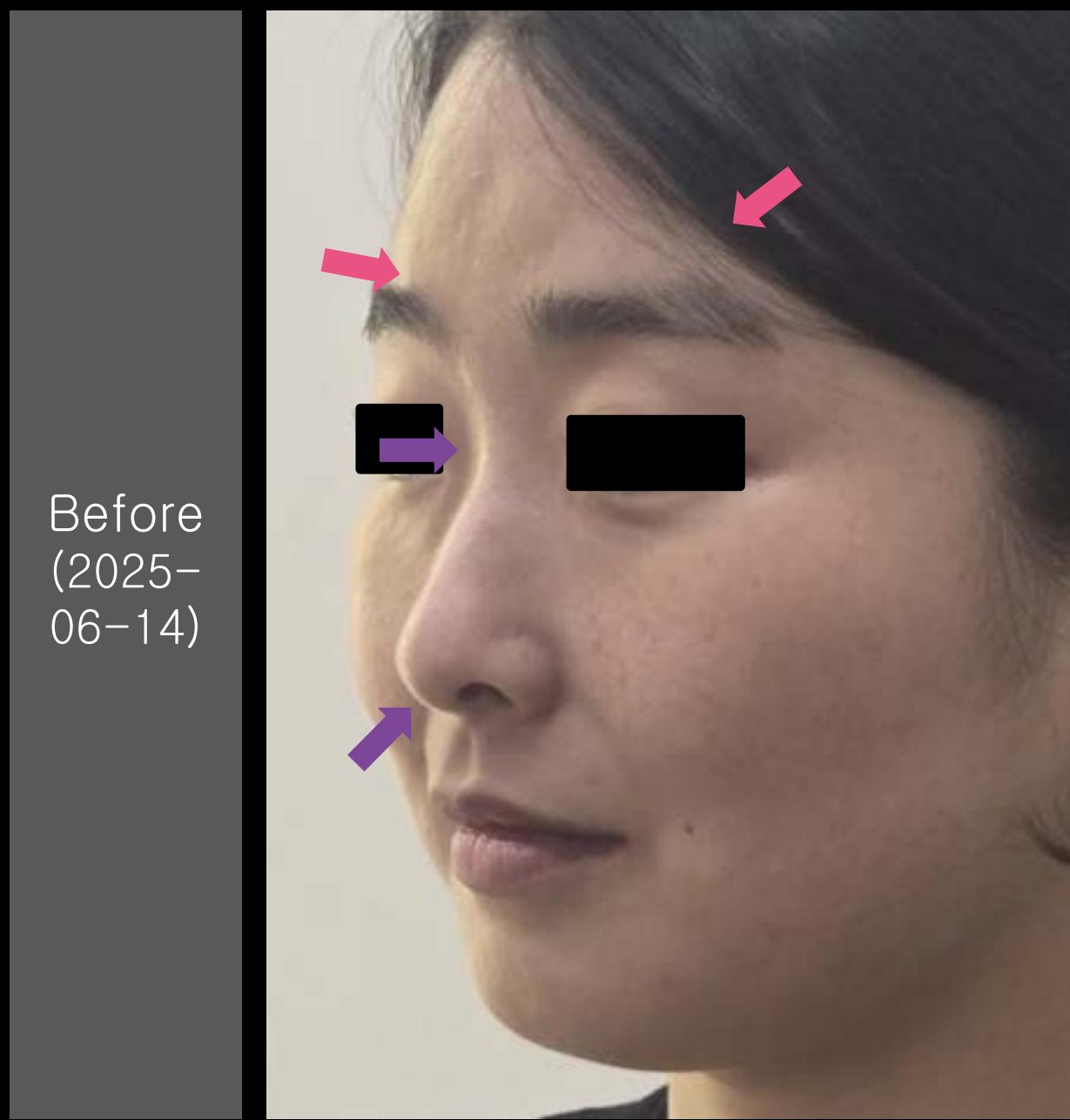
High ↗

- Nose
- Nose Tip

Rose ↗

- Forehead
- Frown Lines





Application site

High ↗

- Nose
- Nose Tip

Rose ↗

- Forehead
- Frown Lines



Clinical case : Forehead, Frown lines



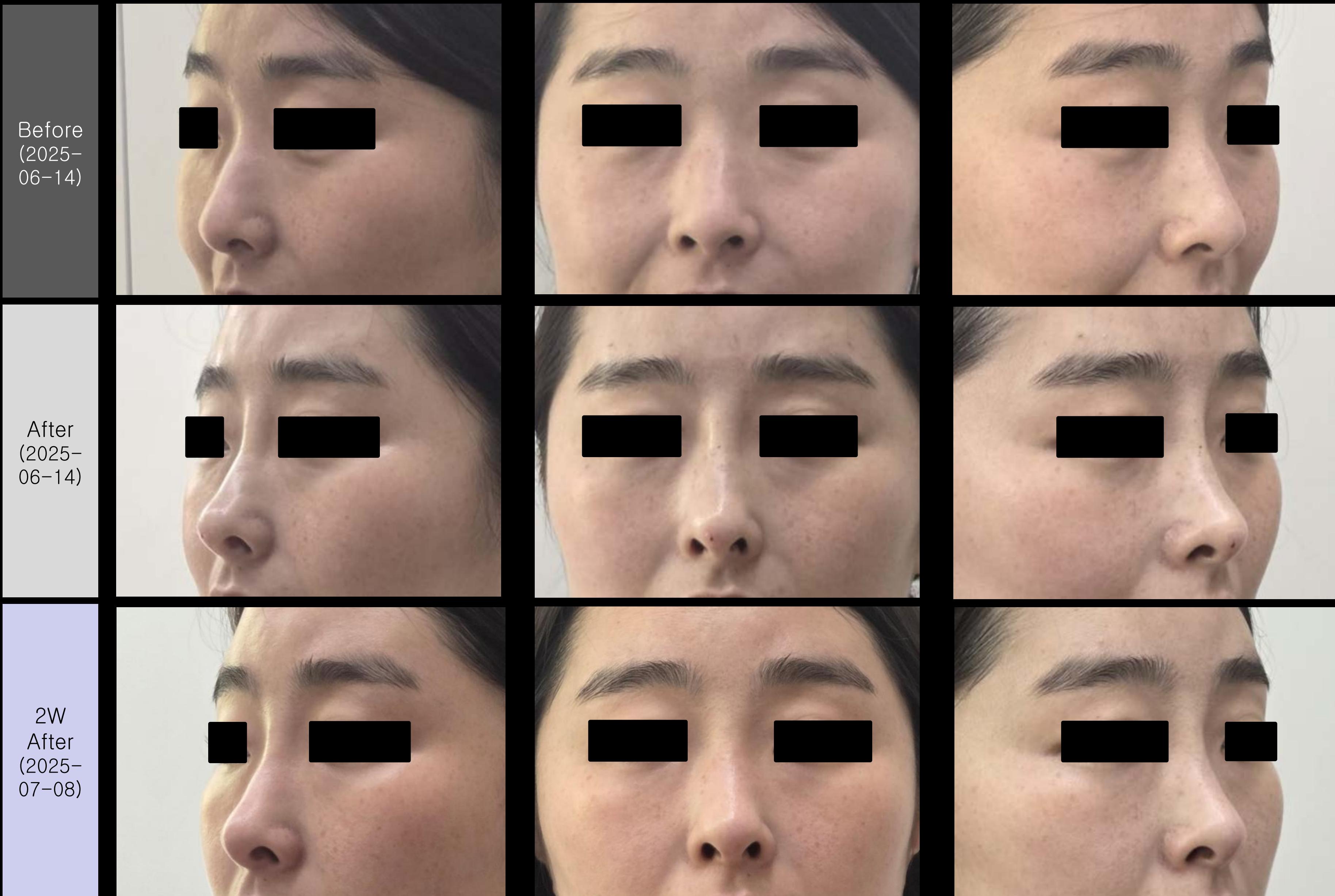
Clinical case : Forehead, Frown lines



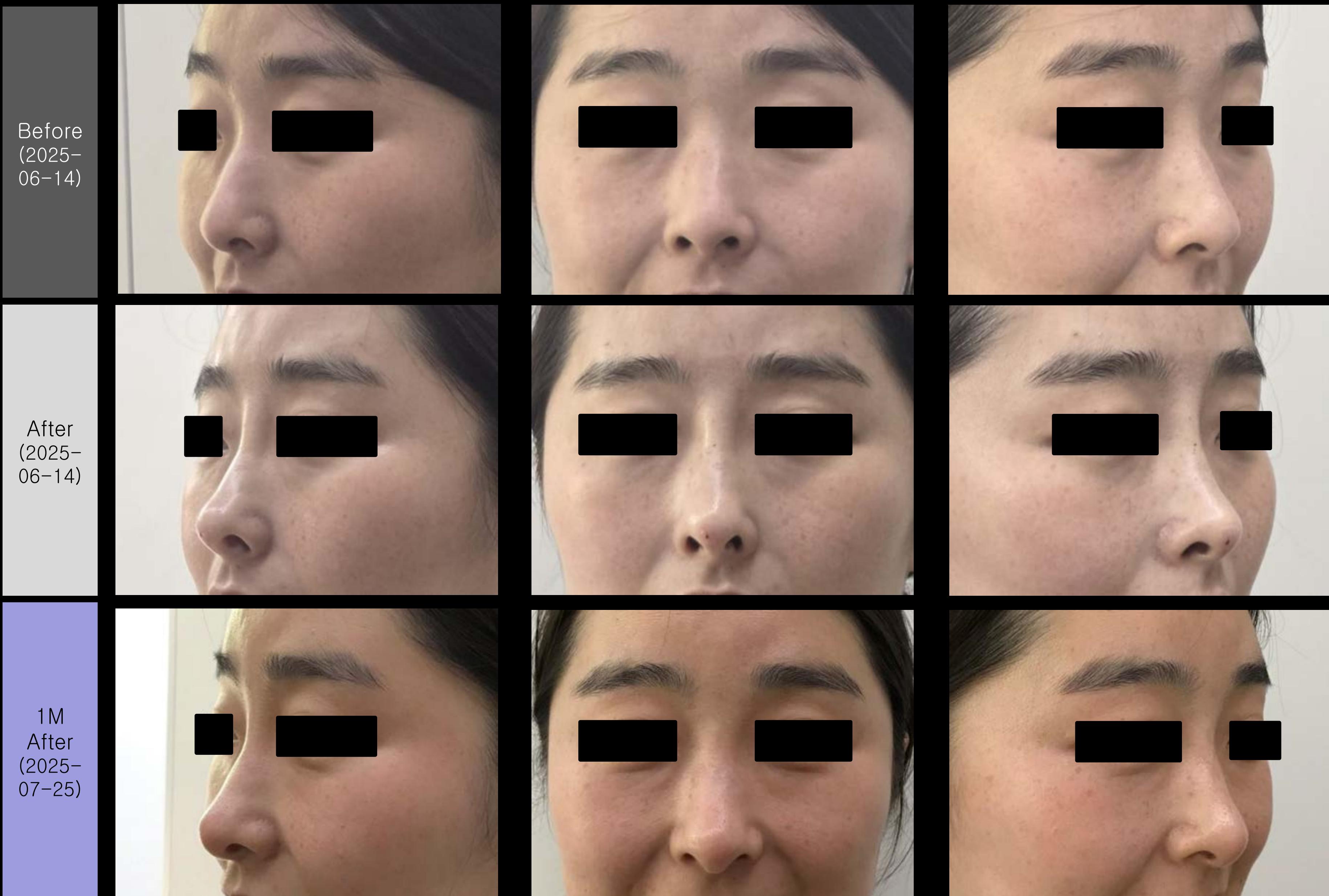
Clinical case : Forehead, Frown lines



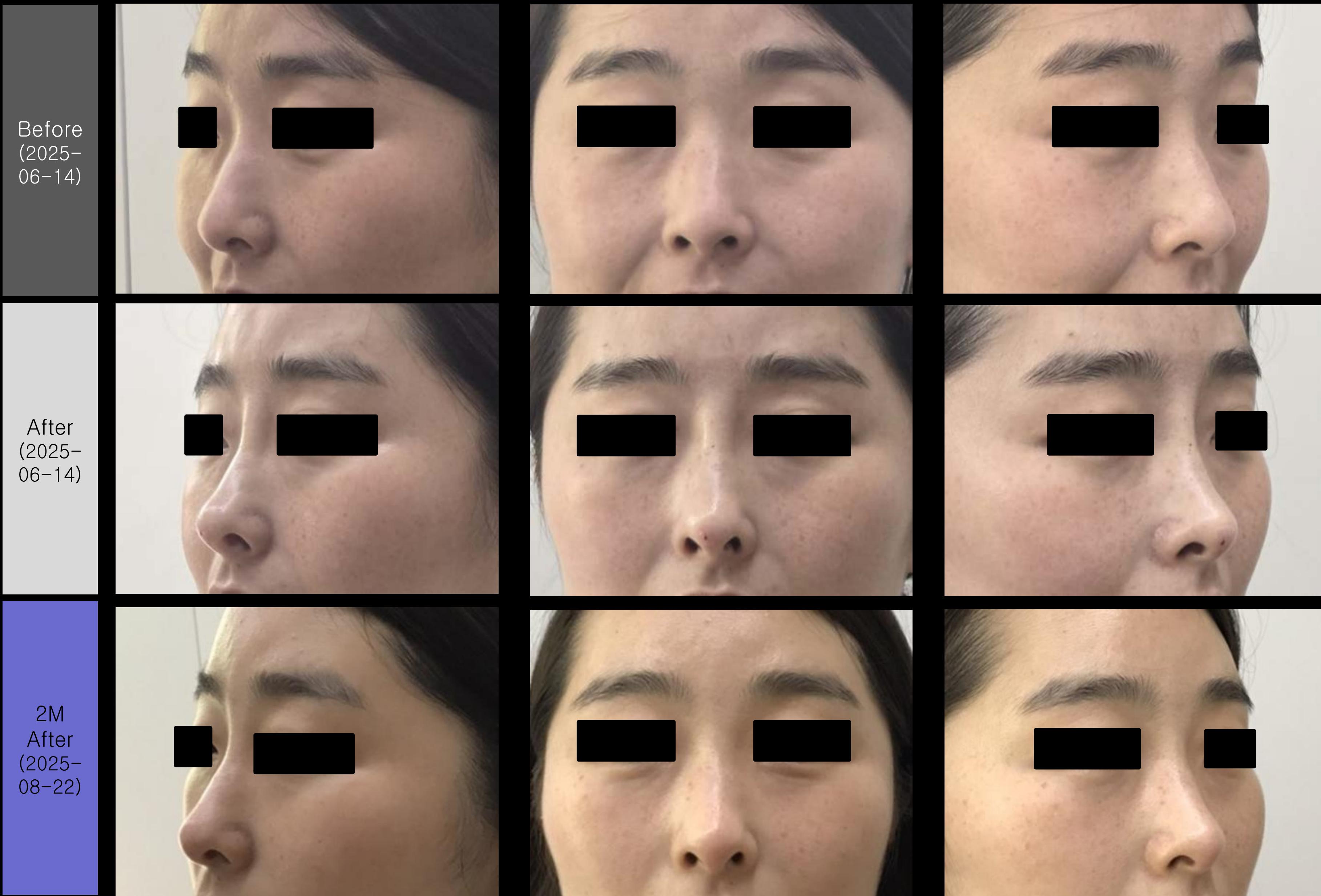
Clinical case : Nose, Nose tip



Clinical case : Nose, Nose tip



Clinical case : Nose, Nose tip



The left side

Before (2025-06-14)



After (2025-06-14)



2W after (2025-07-08)



The left side

Before (2025-06-14)



After (2025-06-14)



1M after (2025-07-25)



2M after (2025-08-22)



The front of

Before (2025-06-14)



After (2025-06-14)



2W after (2025-07-08)



The front of

Before (2025-06-14)



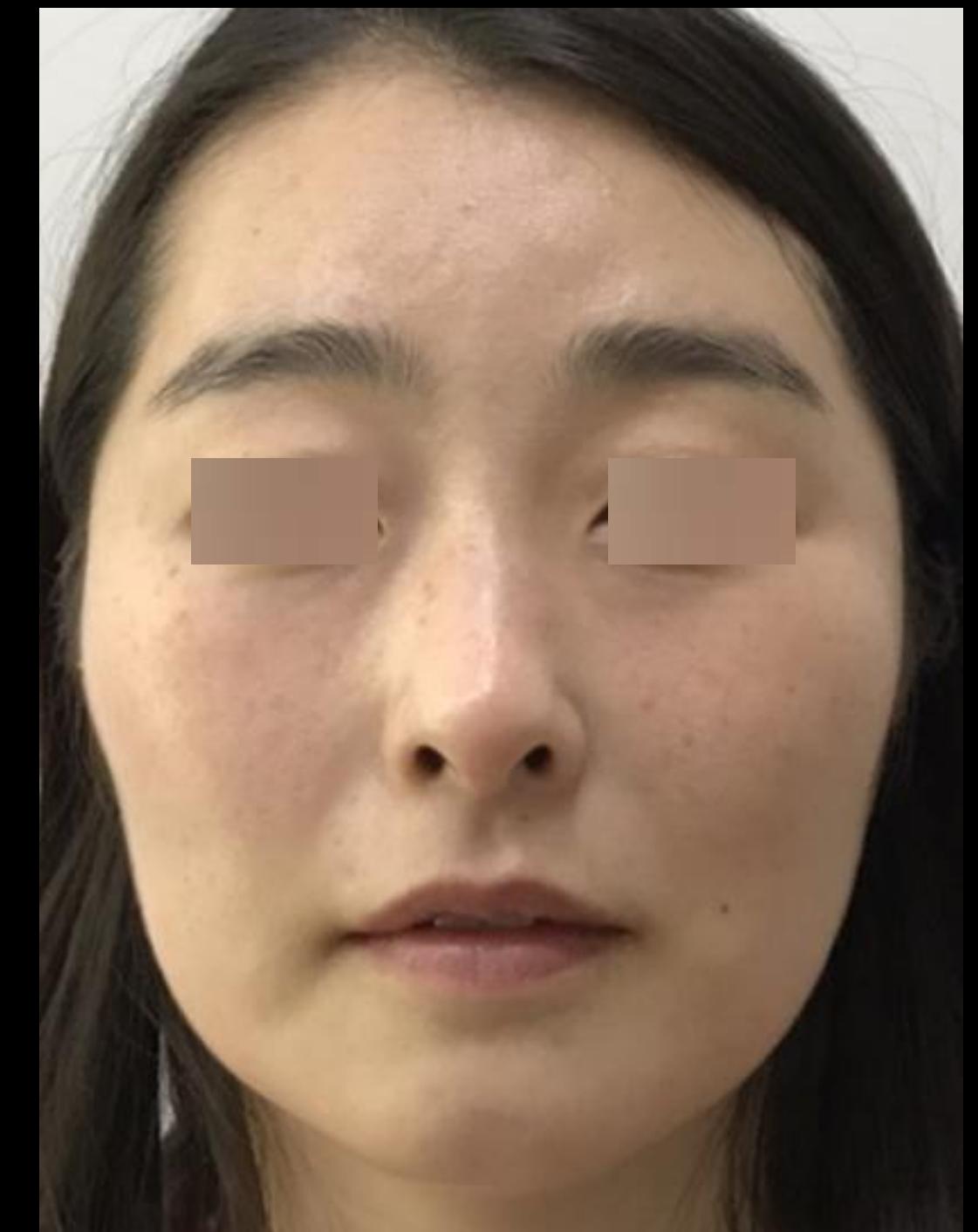
After (2025-06-14)



1M after (2025-07-25)



2M after (2025-08-22)



The right side

Before (2025-06-14)



After (2025-06-14)



2W after (2025-07-08)



The right side

Before (2025-06-14)



After (2025-06-14)



1M after (2025-07-25)



2M after (2025-08-22)



Hyalase Test

MONALISA
High Elastic



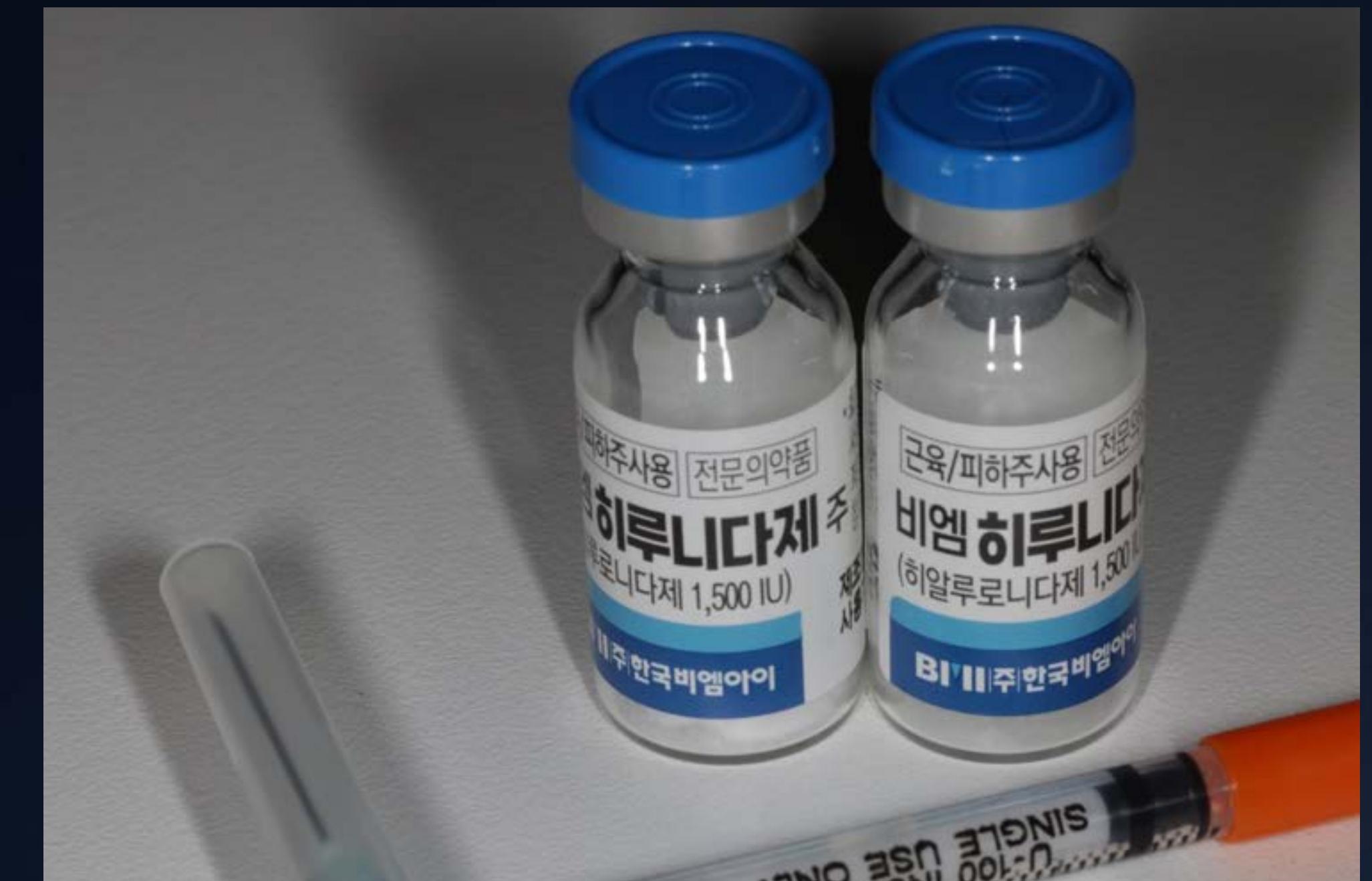
Hyalase

MONALISA
High Elastic

Enzyme that breaks down **hyaluronic acid filler**

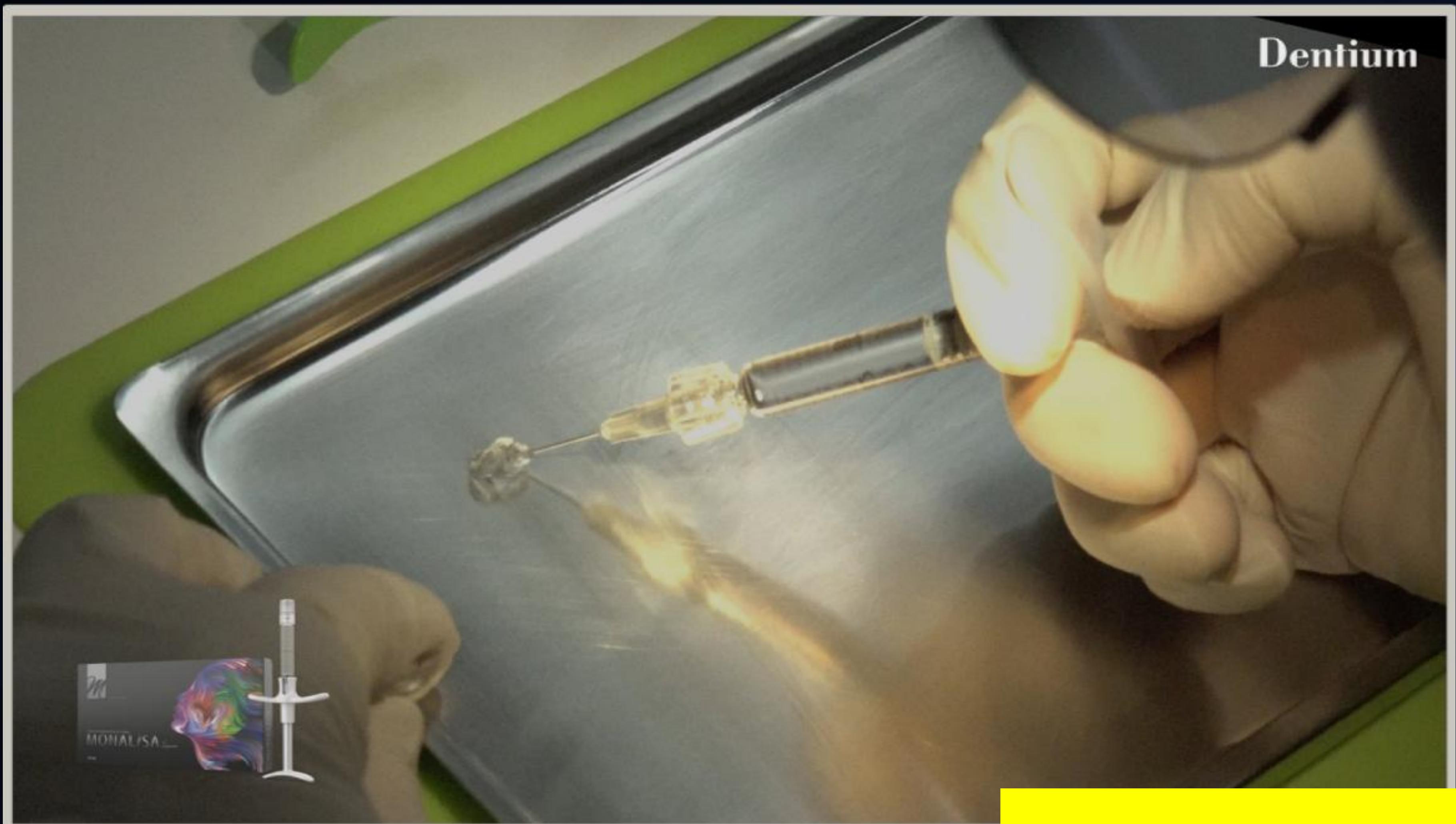
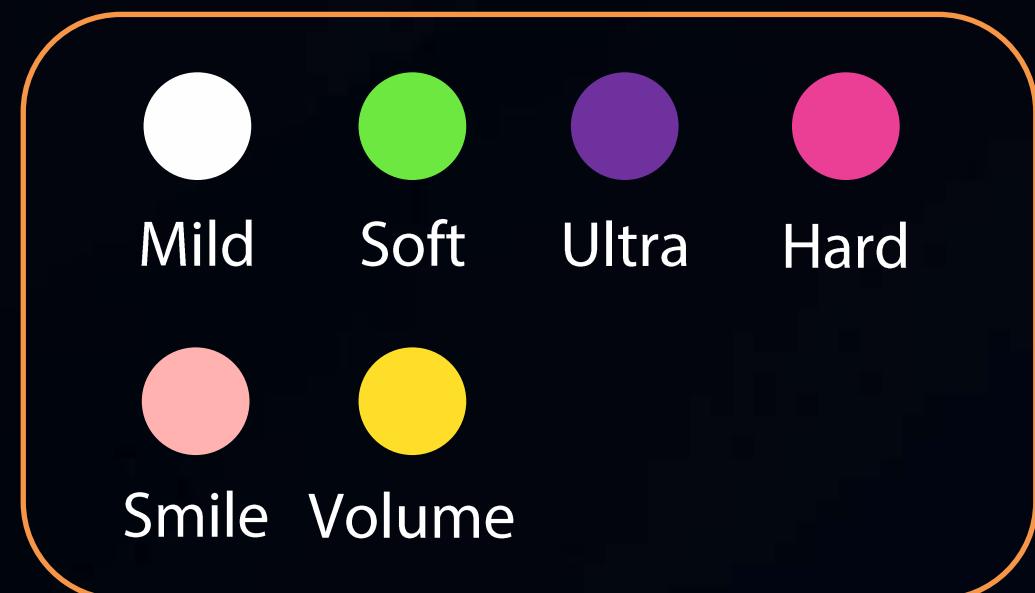
Mix : 1 vial **Hyalase** + 1 to 1.5cc saline

Stabilization period : 1-2 weeks



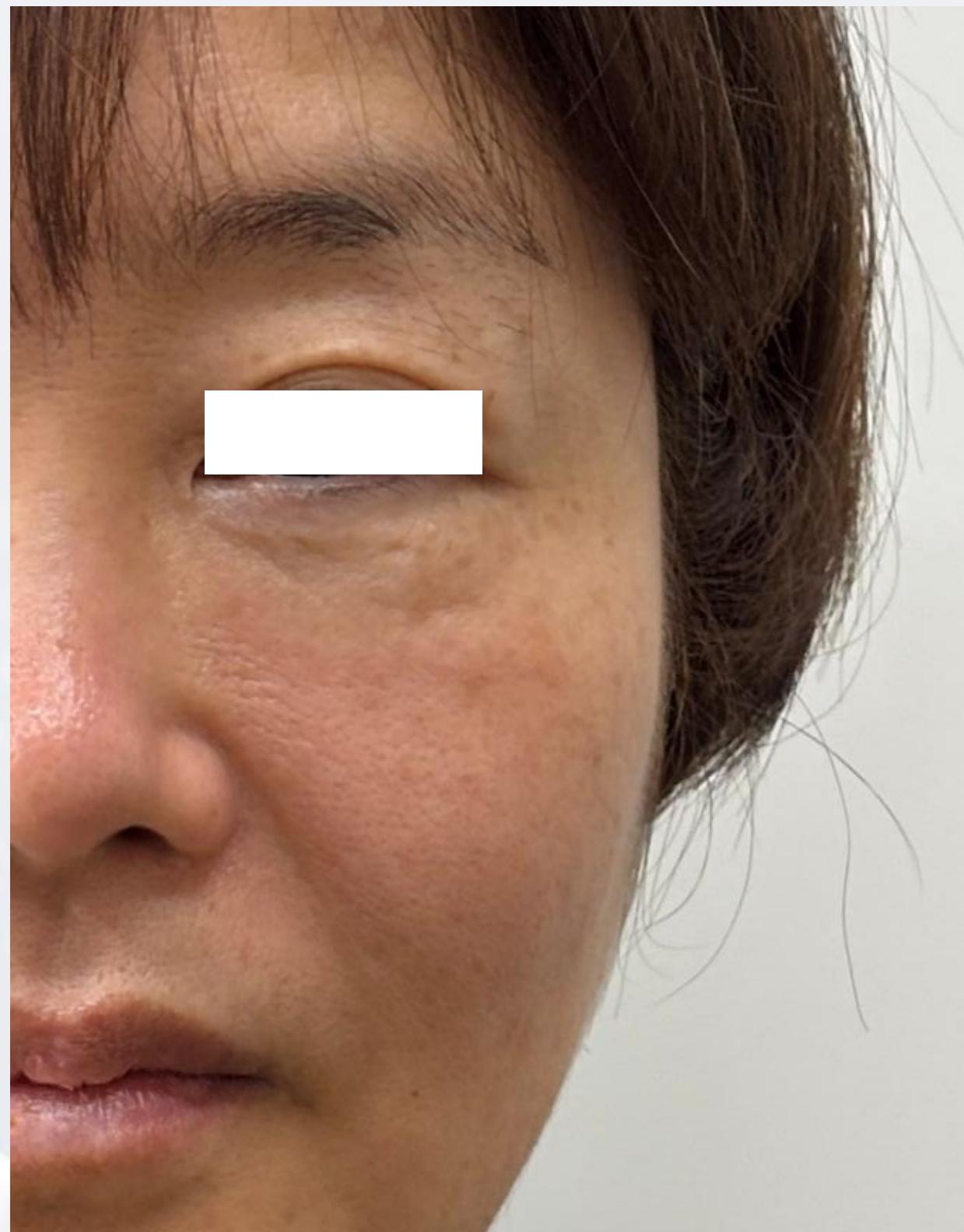
Hyalase Test 1cc Saline + 1 vial hyalase

MONALISA
High Elastic

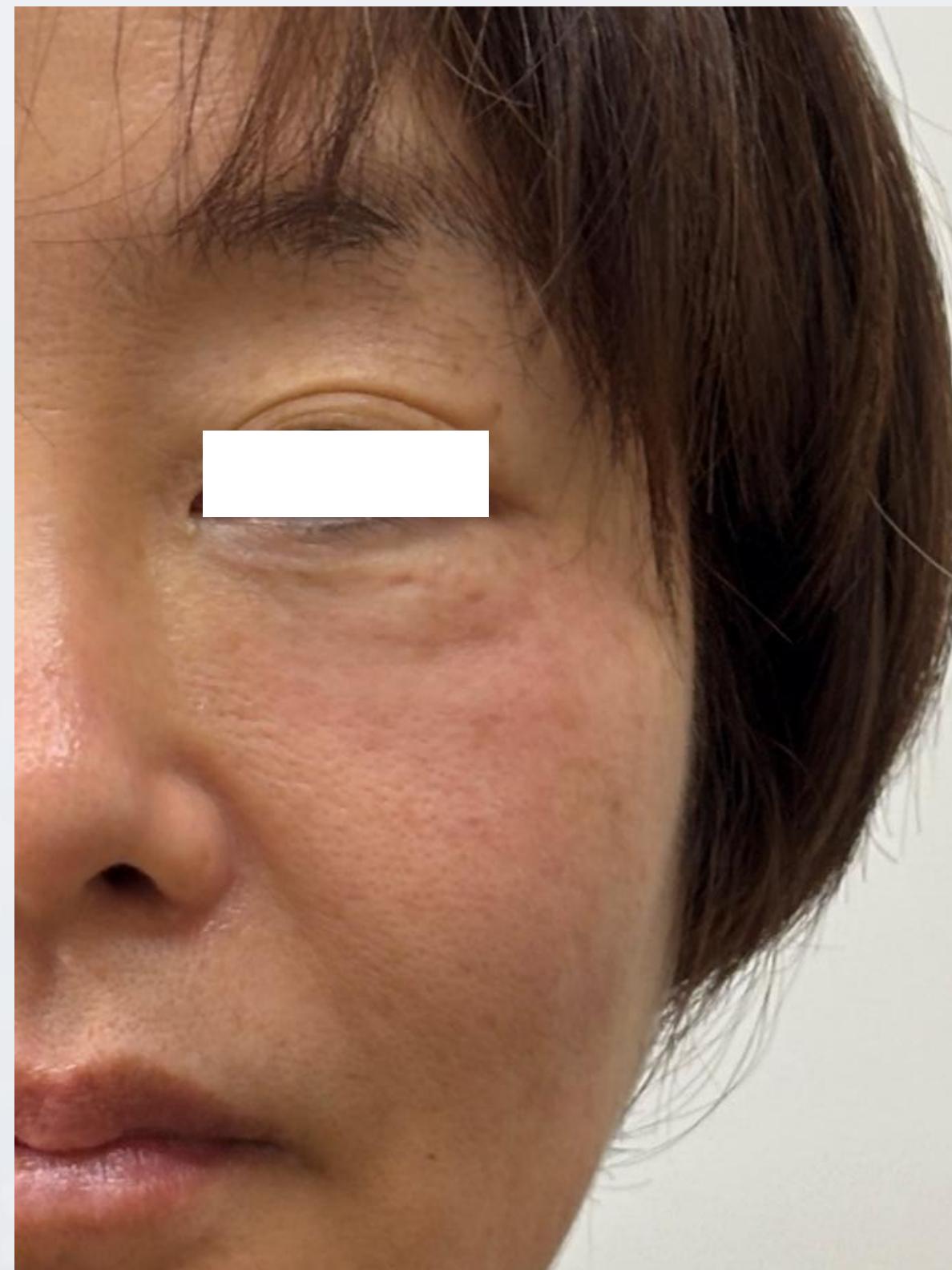


96p filler VOD 7

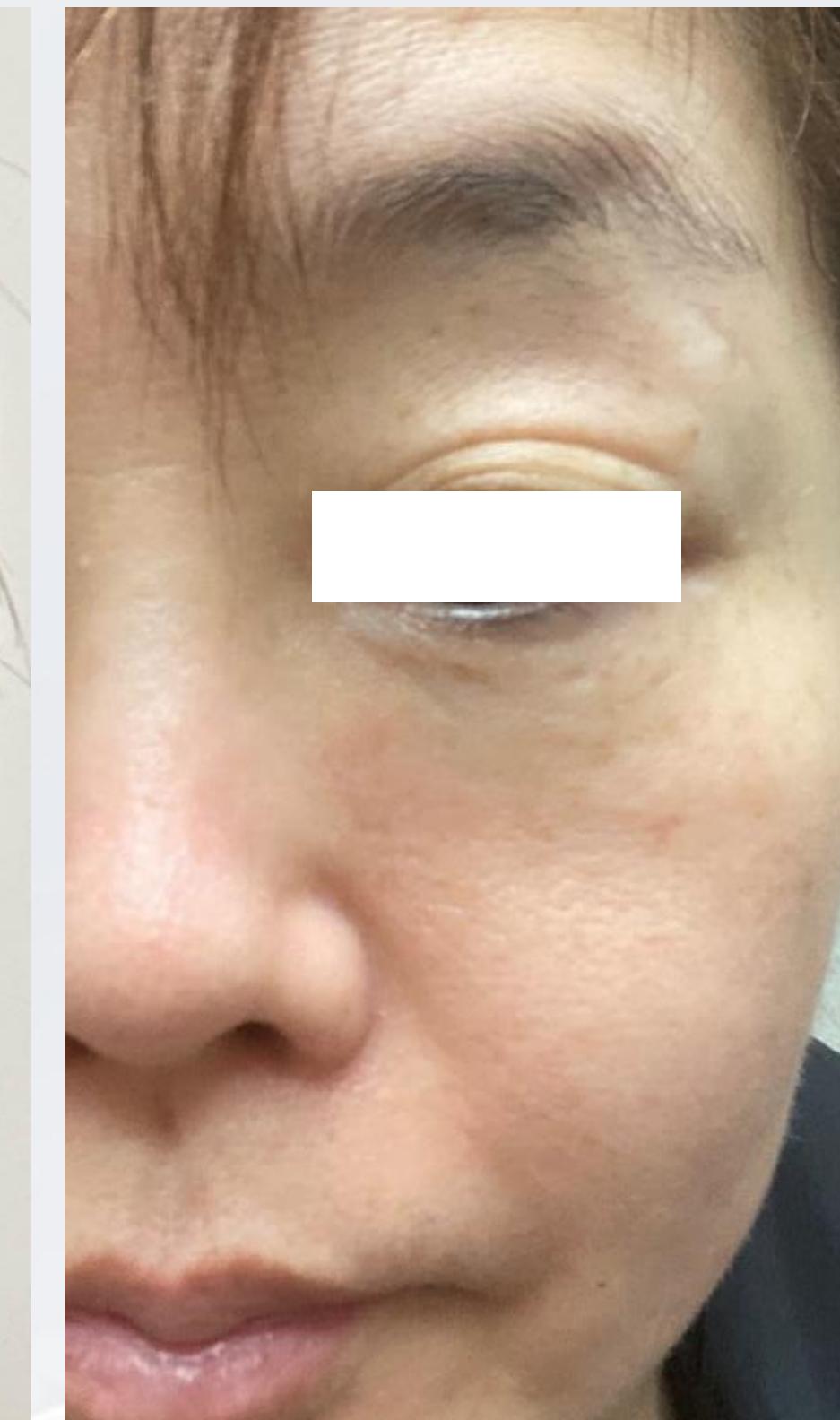
Hyalase - Tear Trough



Before



After



After 1 day



After 1 week

Summary

Botox is very helpful to control

Hyperactive perioral and mentalist muscle

To find and adapt CR position early before and after orthodontic tx

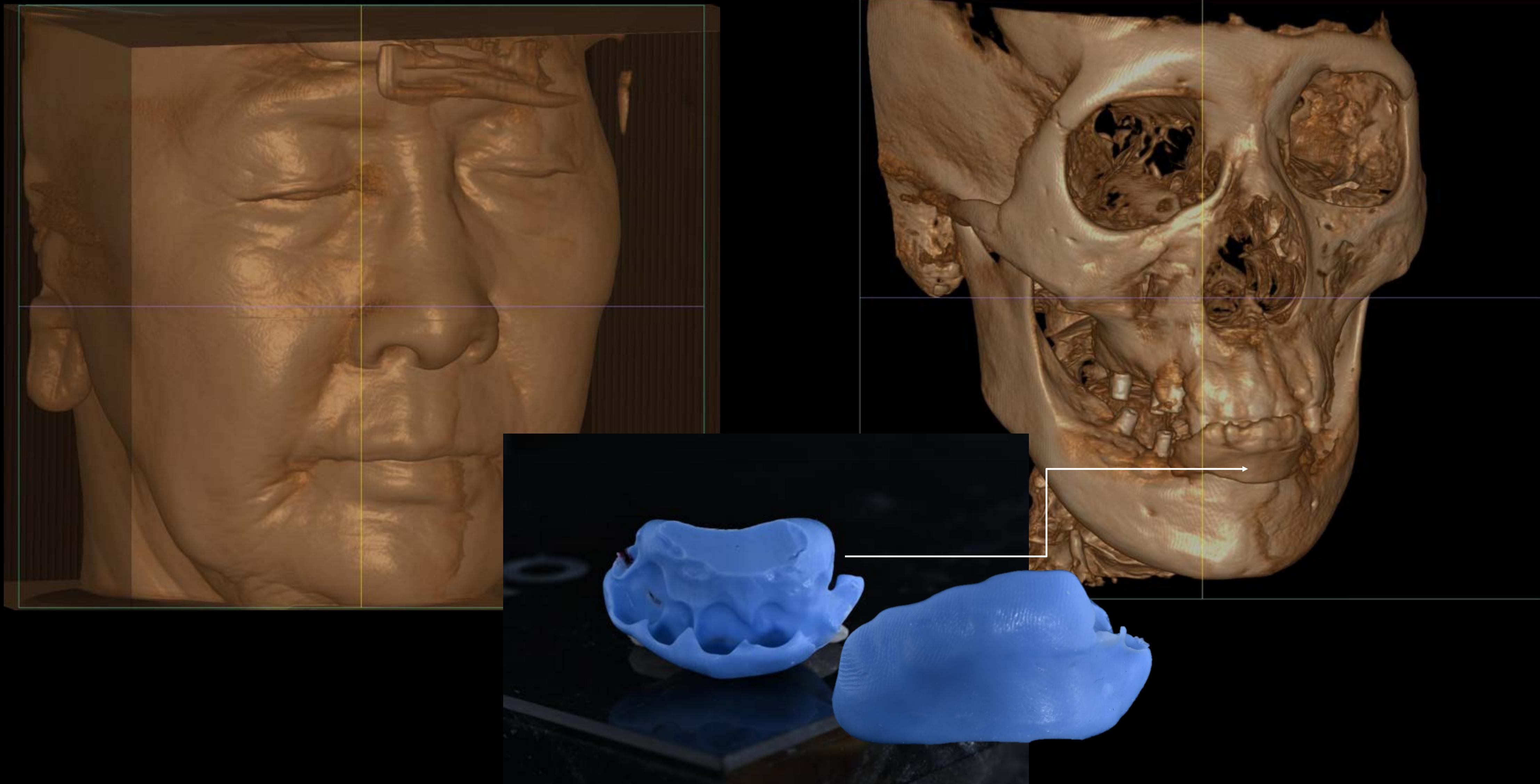
In prosthesis, especially VD increasement and TMJ patients

Filler is easy to control the shape of nose, lip and chin

Complication free and longterm sustained with high elastic filler

Harmony between teeth and soft tissue is the goal of esthetics

Putty index



Final CT was taken using a putty index to capture the occlusal relationship of the provisional teeth while the patient was adapting to the increased vertical dimension (VD) for the fabrication of the final prosthesis

CT Check Bite



CT Check bite

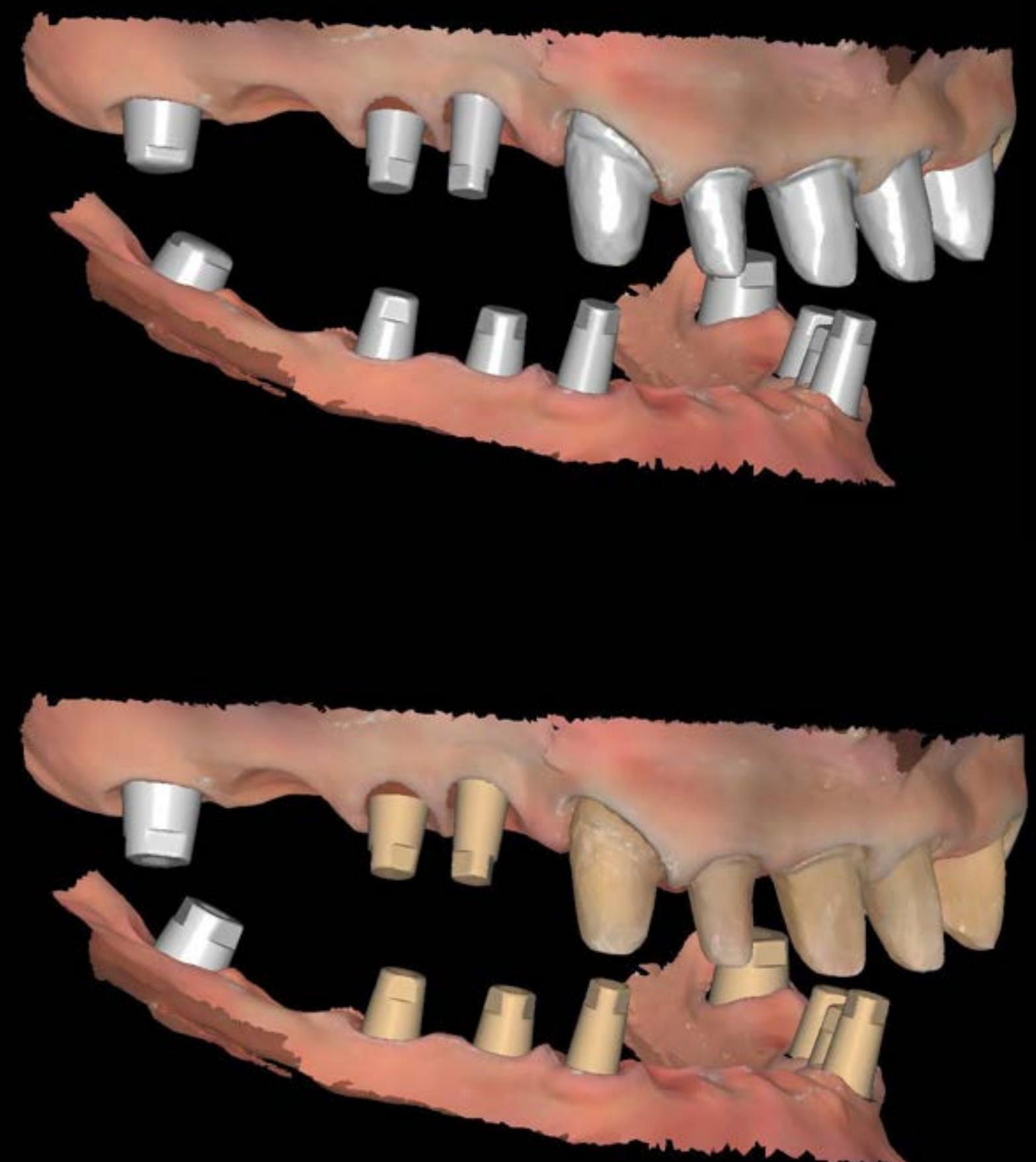
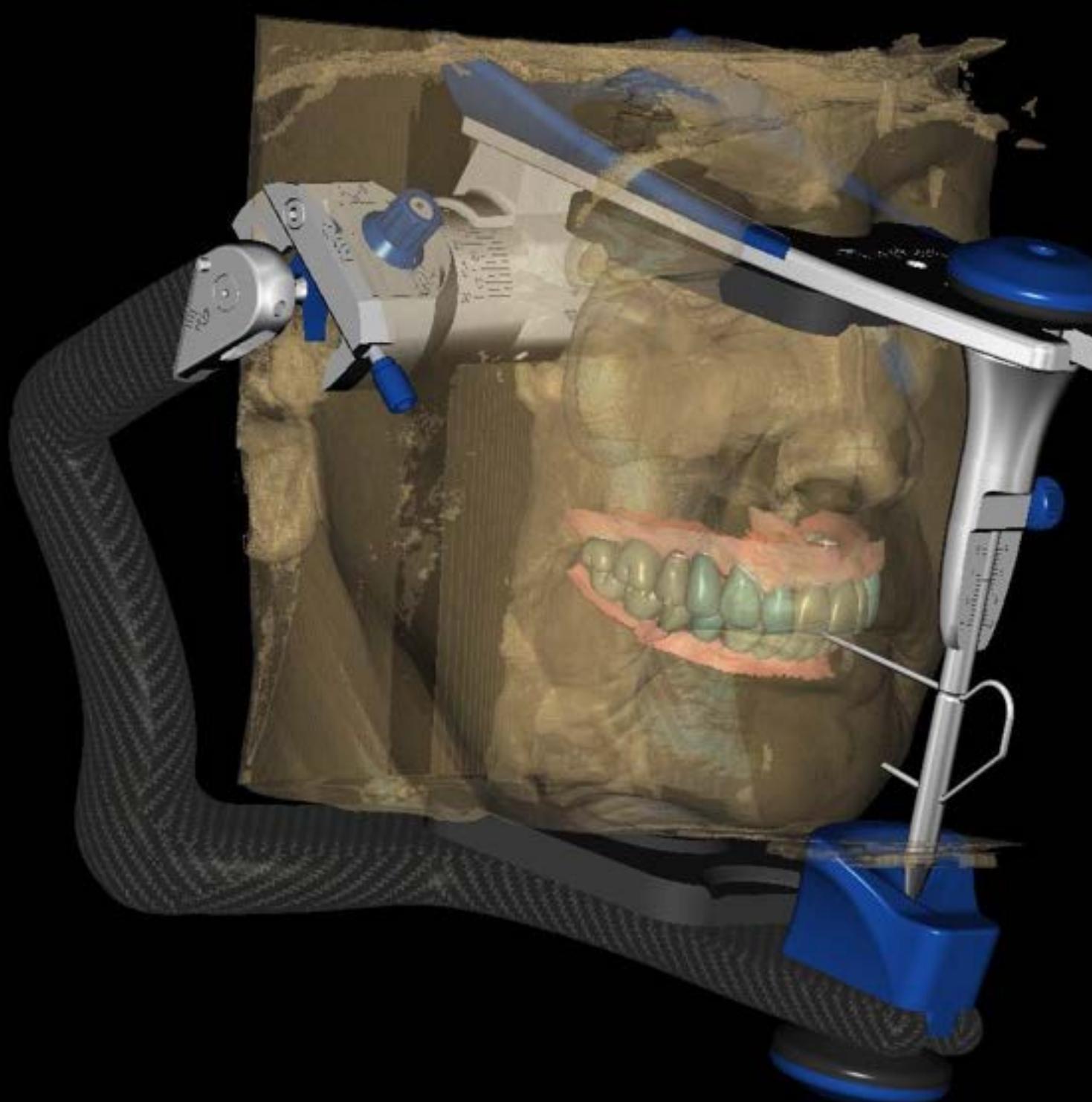
Shining 3D Aoral 3 Wireless data

CT Check Bite



CT Check bite + los scan data

Cad Design



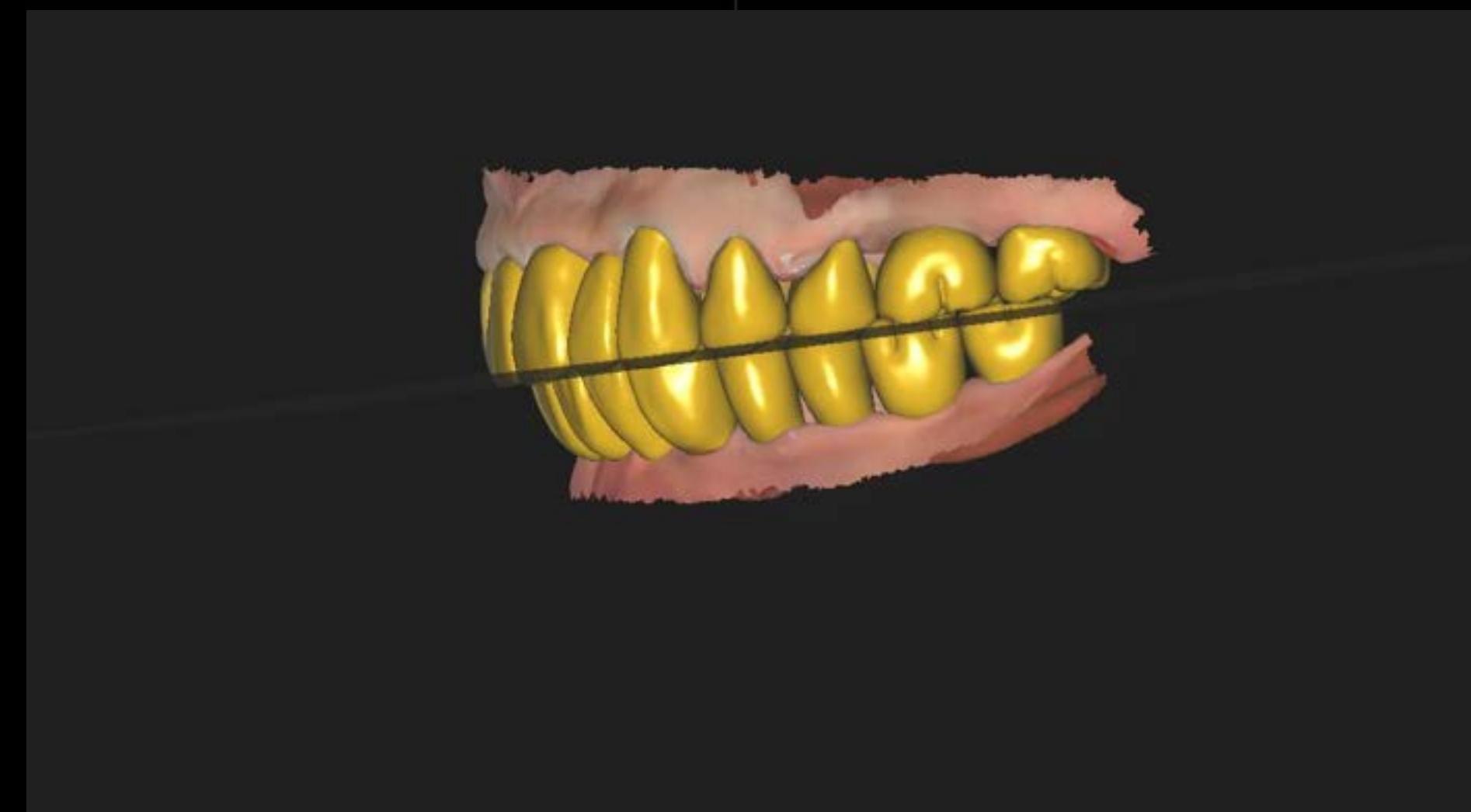
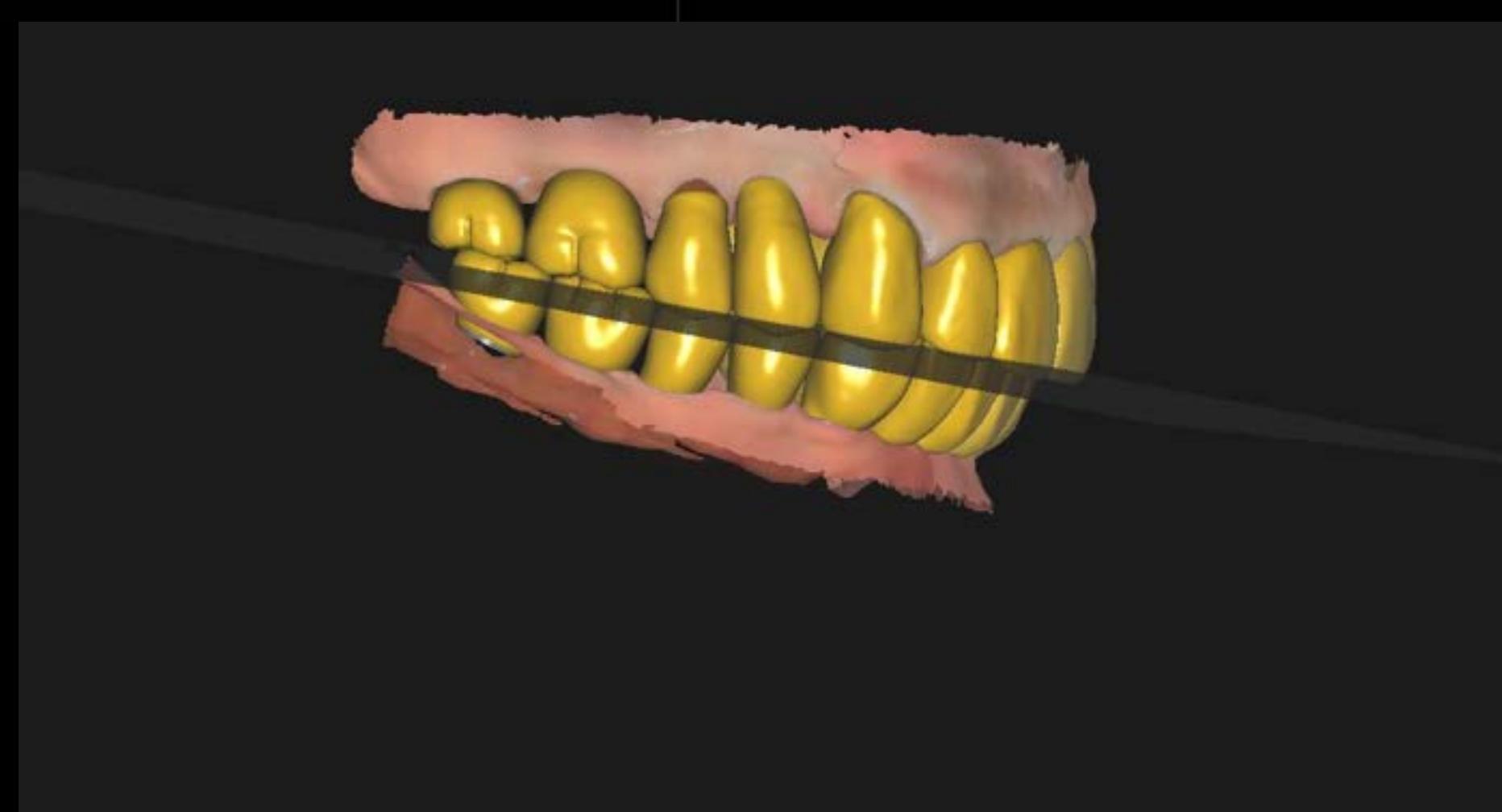
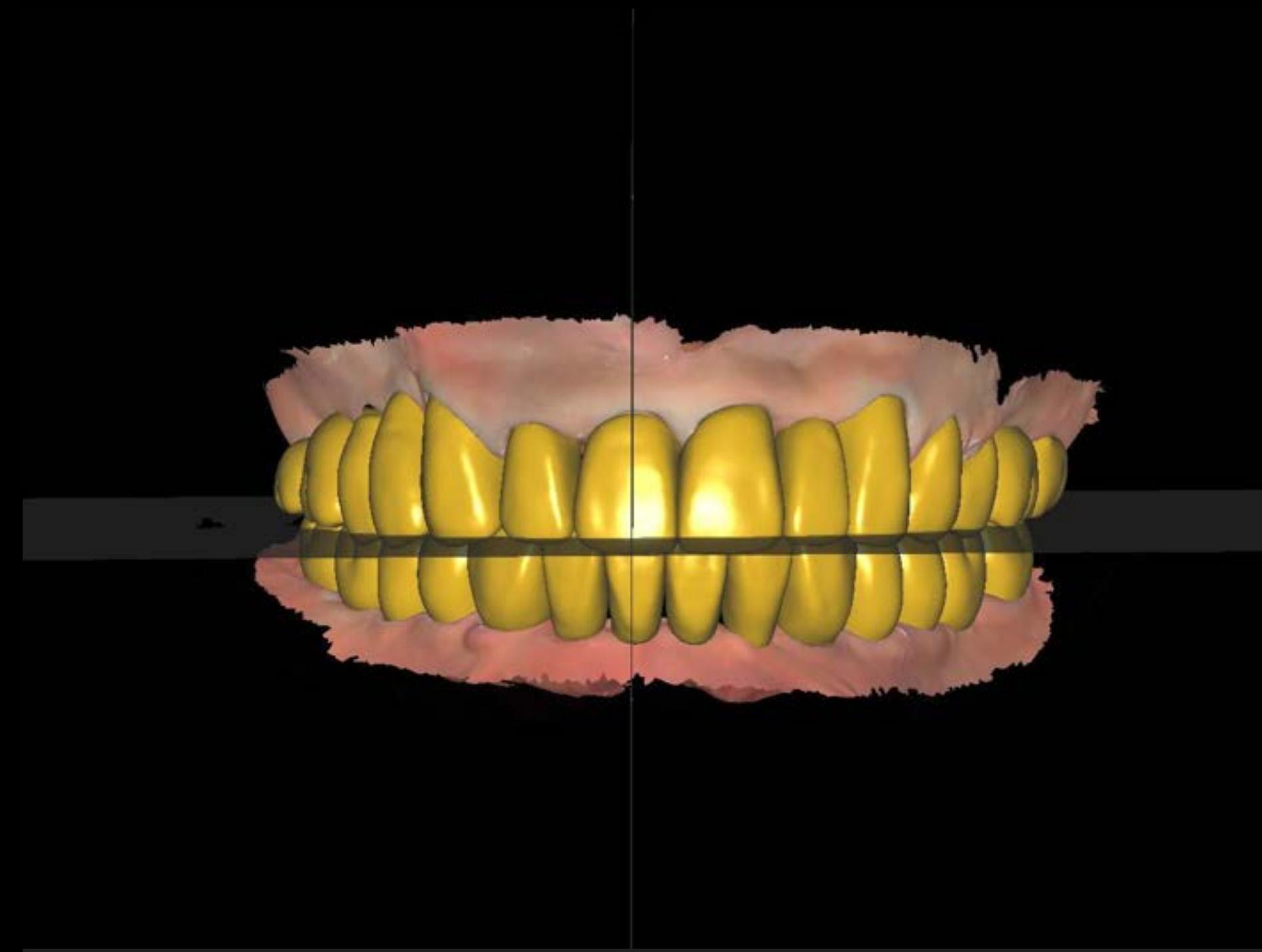
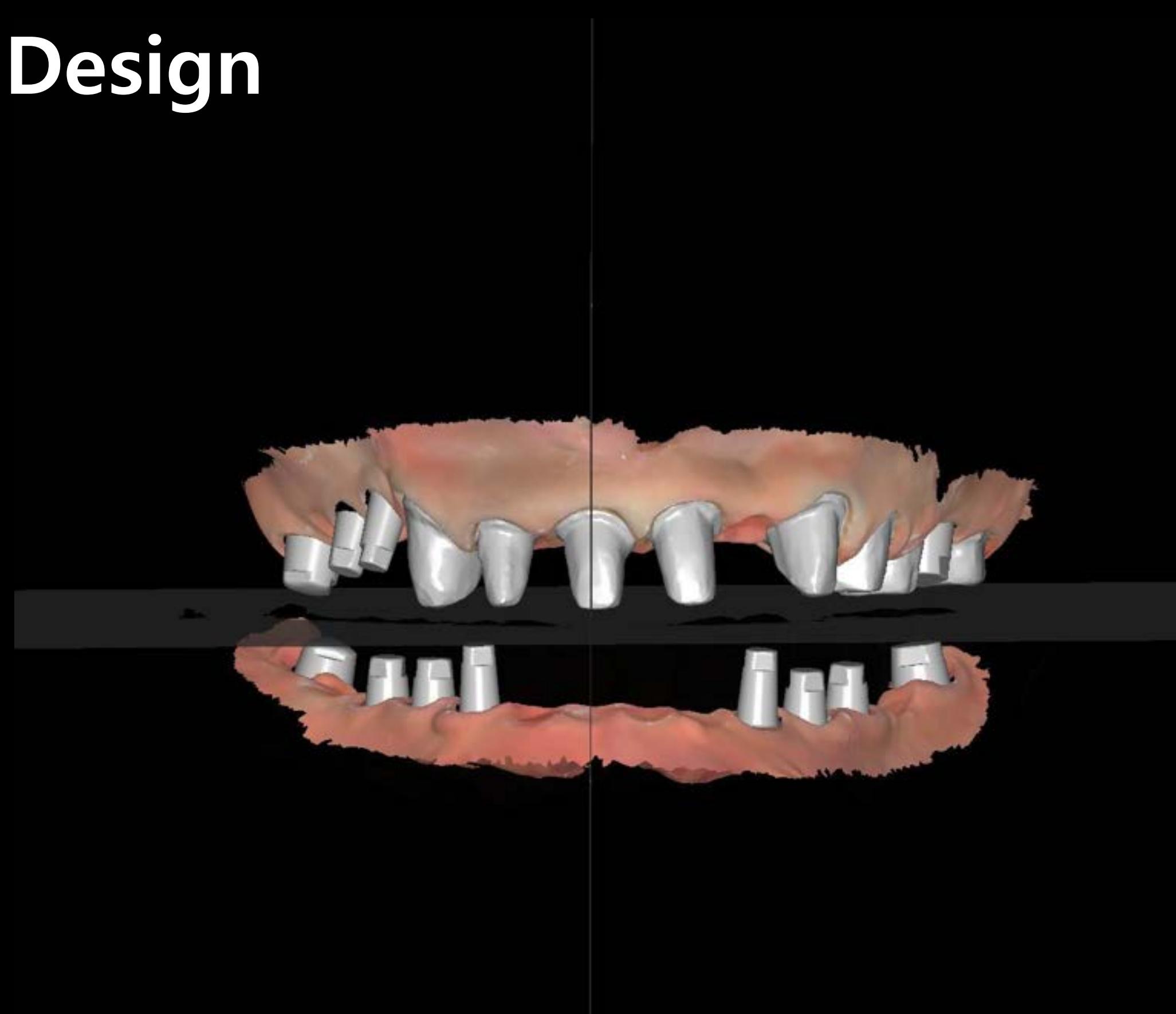
Final Design VD 1mm Up

bright Implant

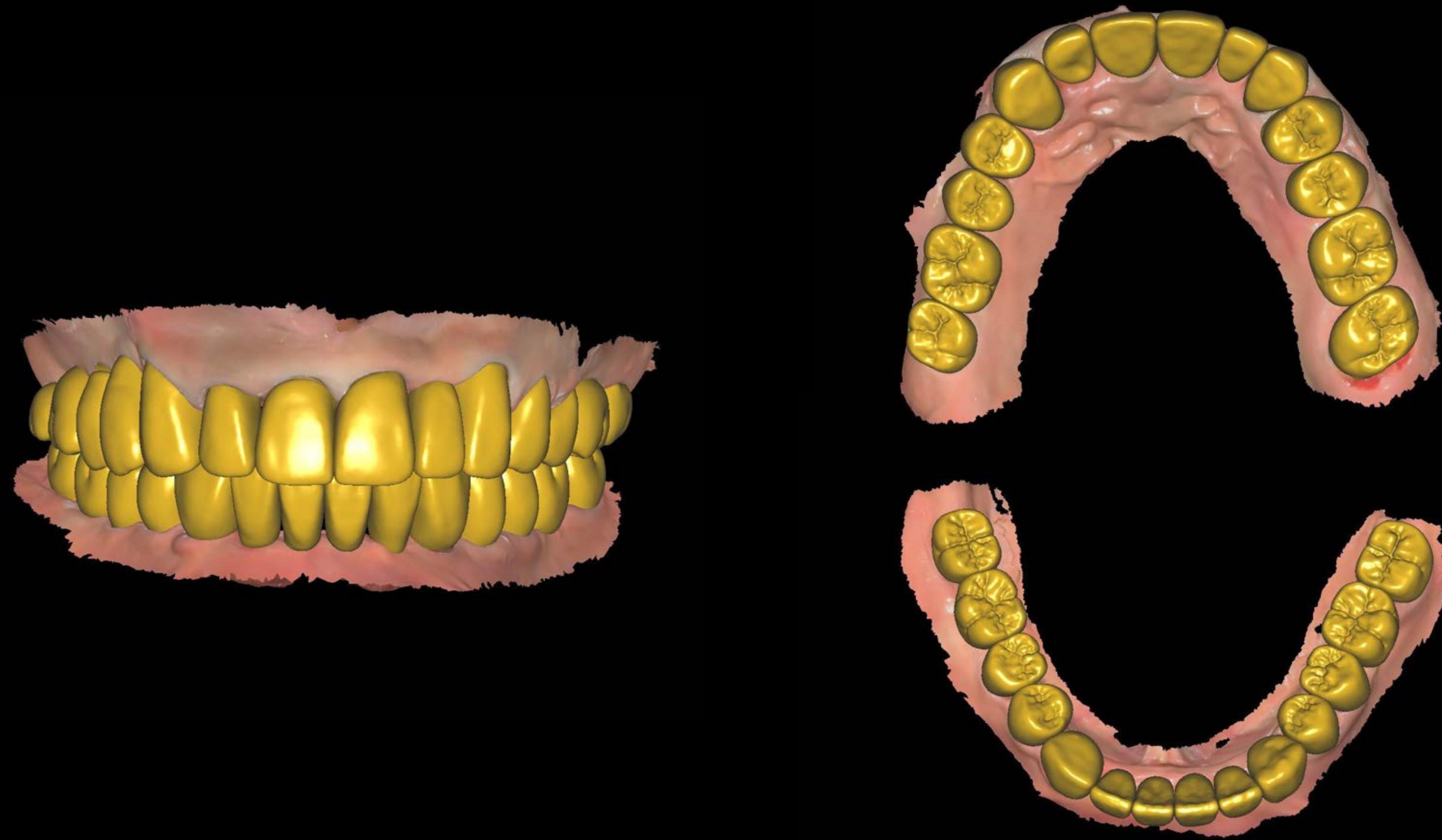


All bright Digital abutment & Ti base abutment

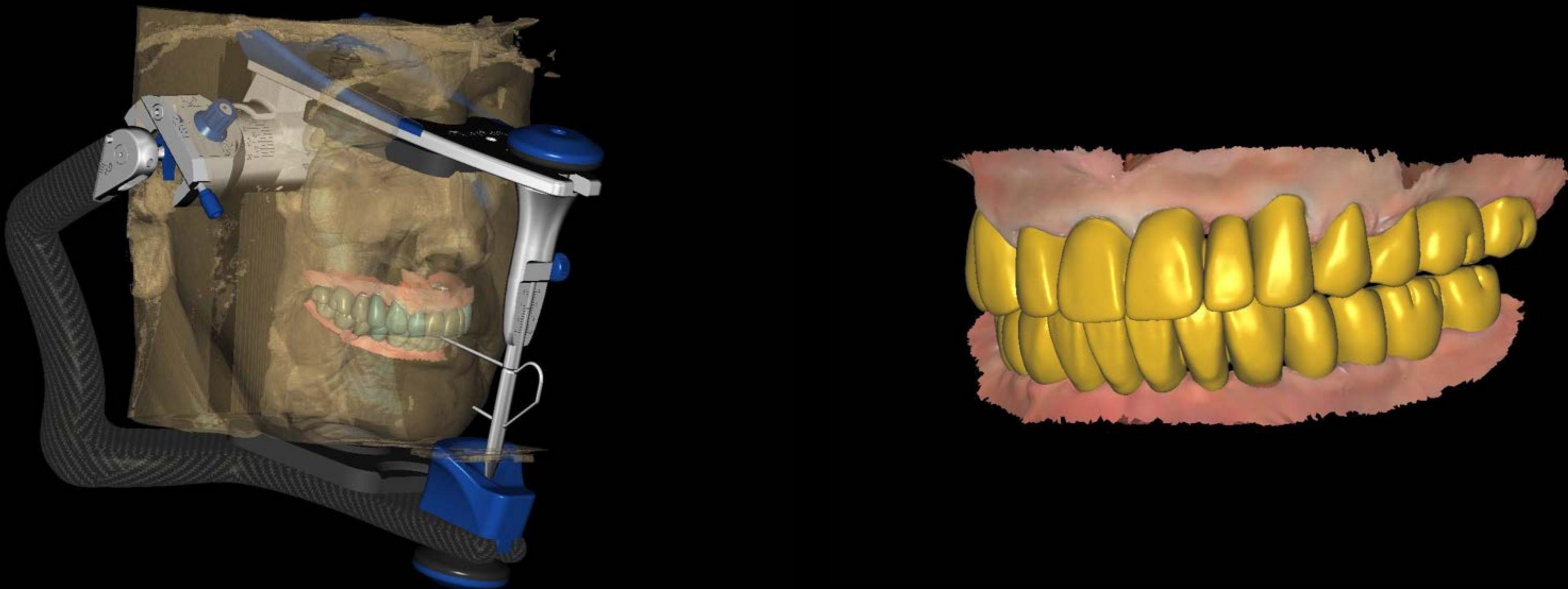
Cad Design



Cad Design



Virtual Articulator



Zirconia Block



rainbow™ Shine-T

- Maximum Strength
- Natural Aesthetic



bright 3-Layer
No coloring & Stain

Zirconia Block



rainbow™
Shine-T

Maximum Strength
Natural Aesthetic

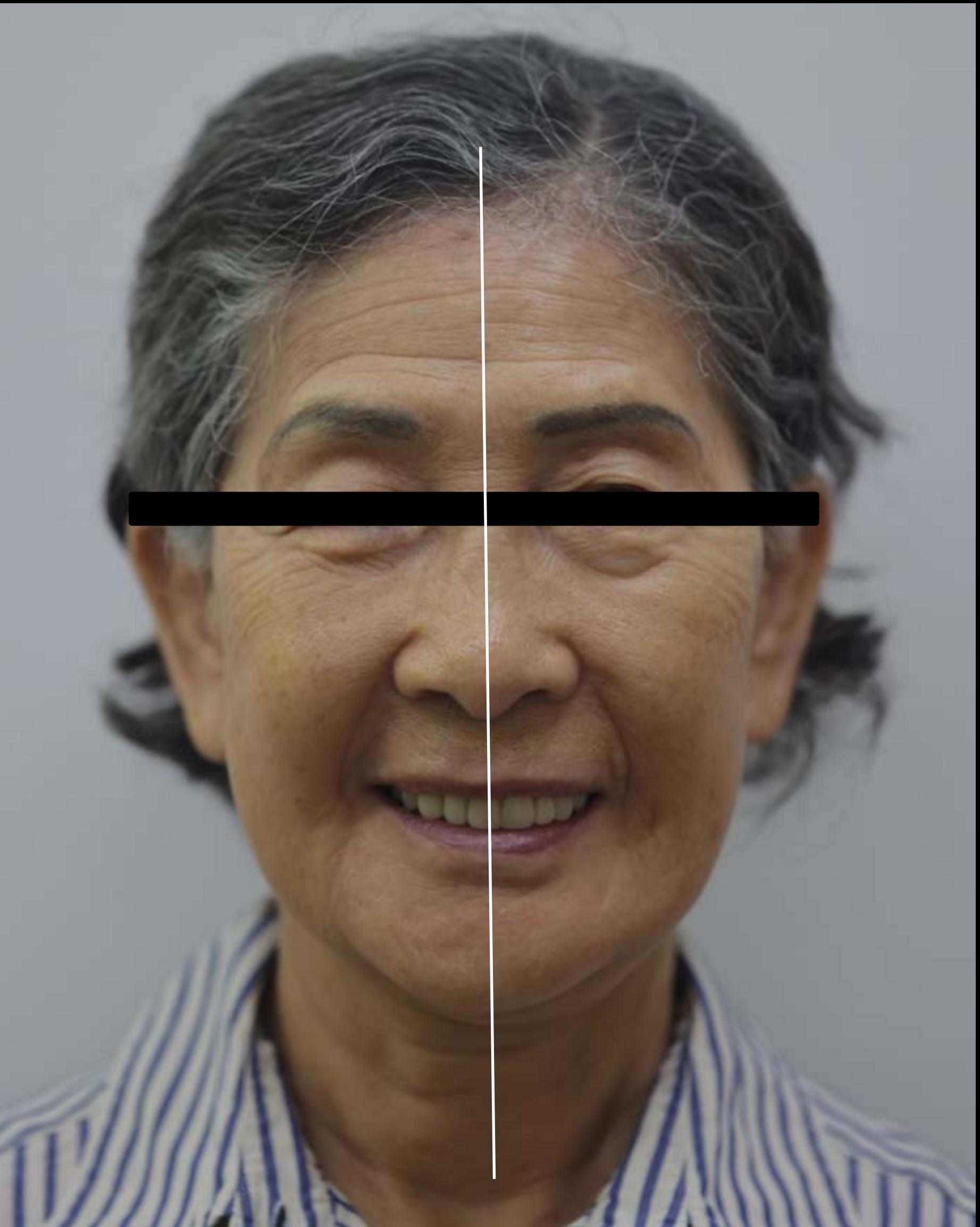


bright 3-Layer
No coloring & Stain

Final Prosthesis



Final Prosthesis





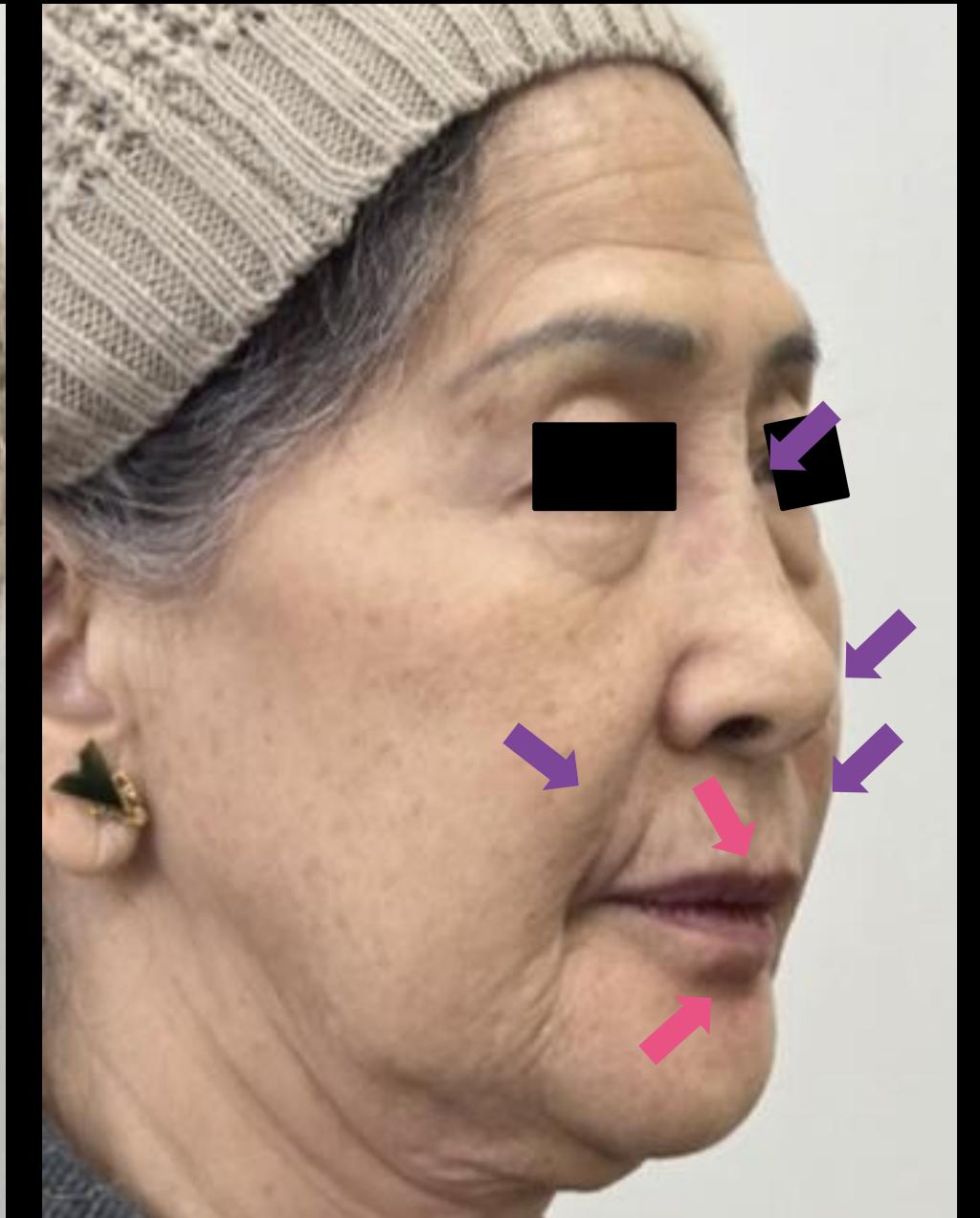
Application site

Volume ↗

- Nose
- Nose tip
- Nasolabial folds

Rose ↗

- Lip





Application site

Volume ↗

- Nose
- Nose Tip
- Nasolabial folds

Rose ↗

- Lip



Clinical case : Nose, Nose tip



Clinical case : Nasolabial folds, Lip

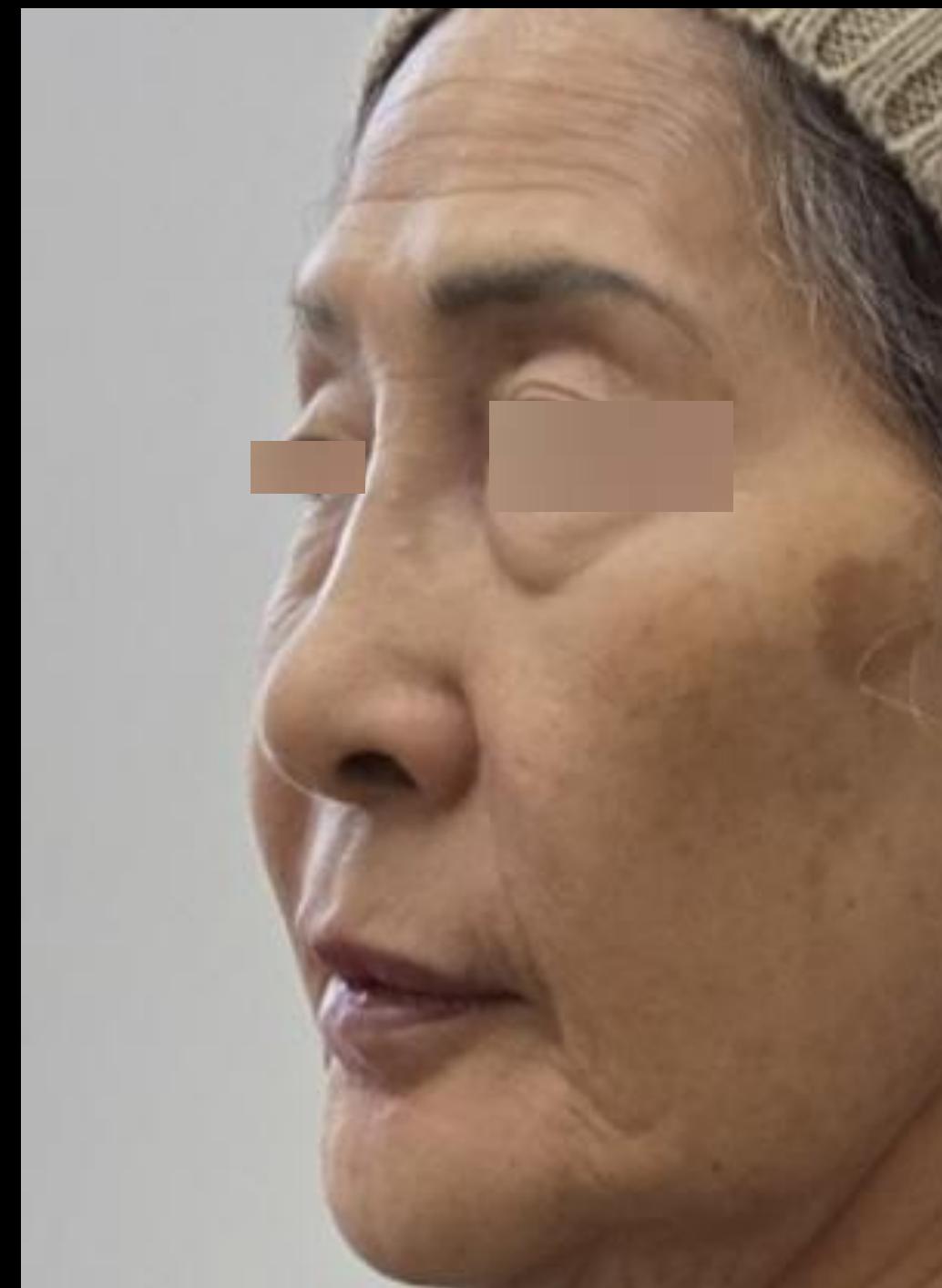


The left side

Before (2025-02-20)



After (2025-02-20)



After 1M (2025-03-17)



The front of

Before (2025-02-20)



After (2025-02-20)



After 1M (2025-03-17)



The right side

Before (2025-02-20)



After (2025-02-20)



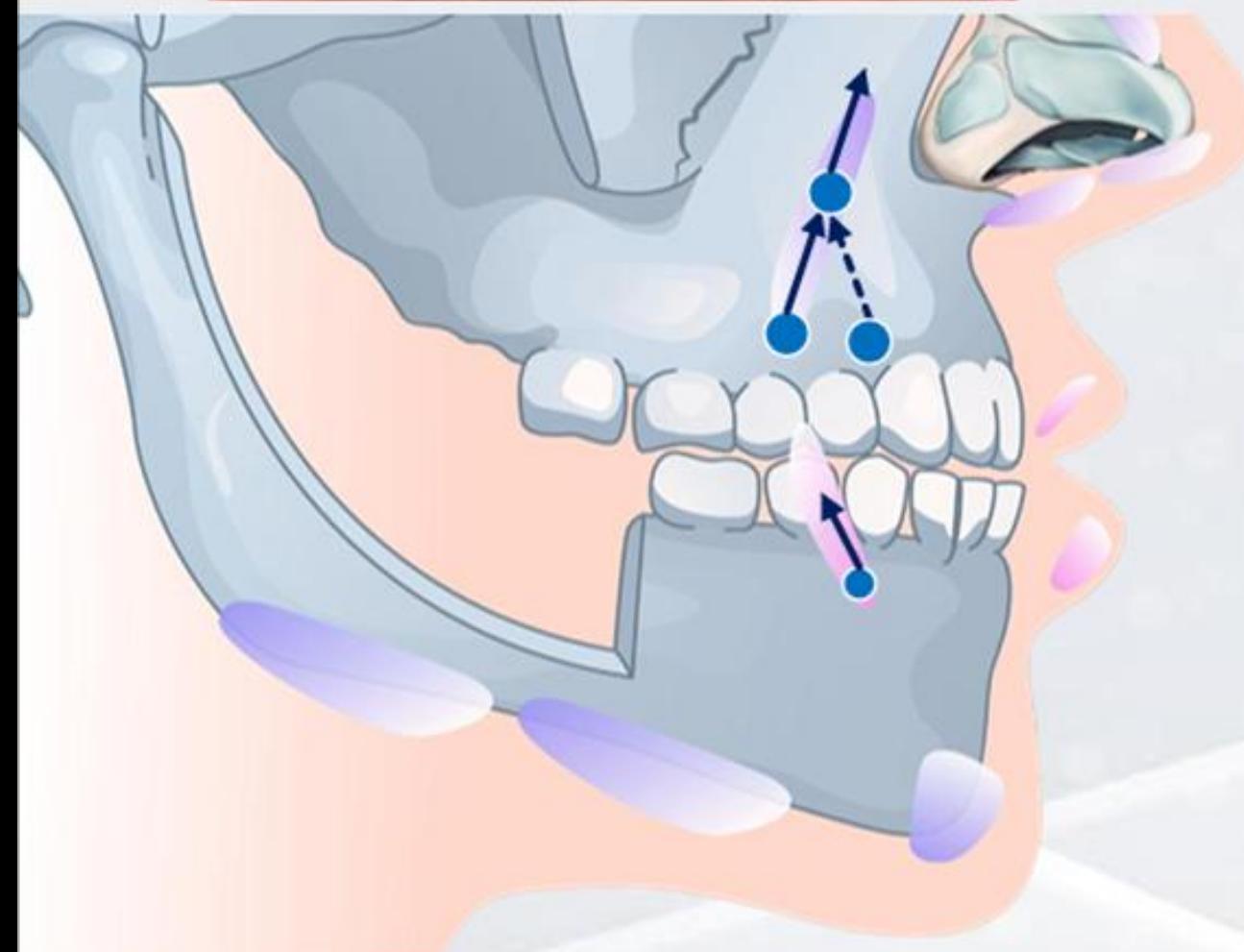
After 1M (2025-03-17)



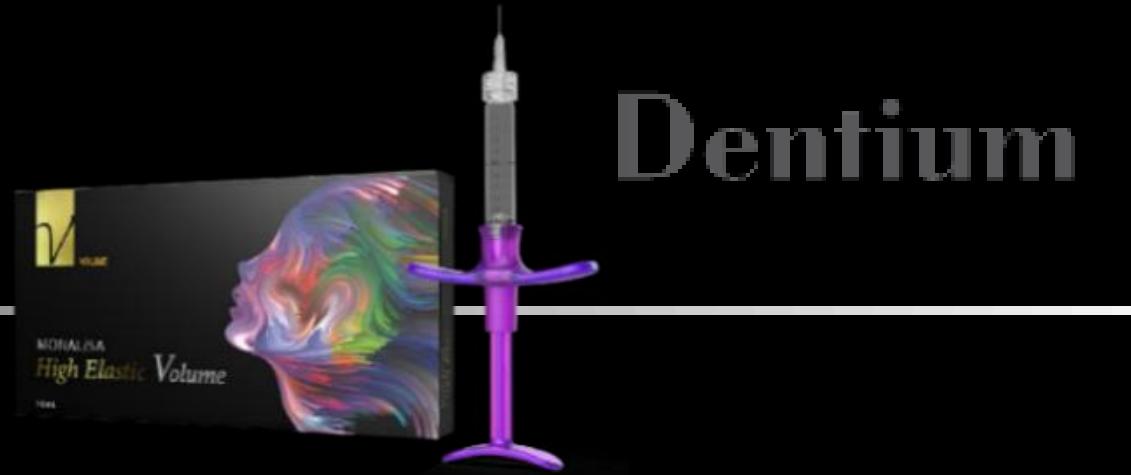
Wrinkle and Folds

Dentium

NASOLABIAL FOLDS
MARIONETTE LINES



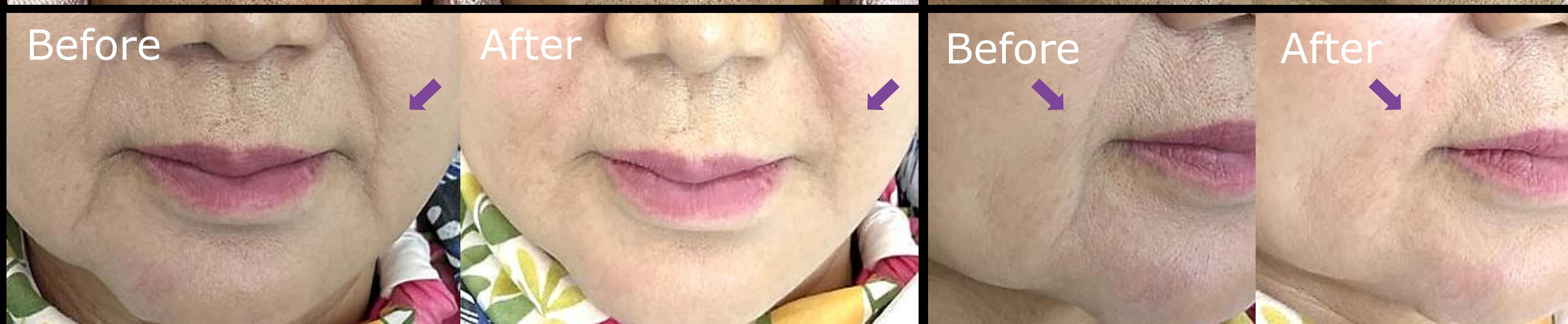
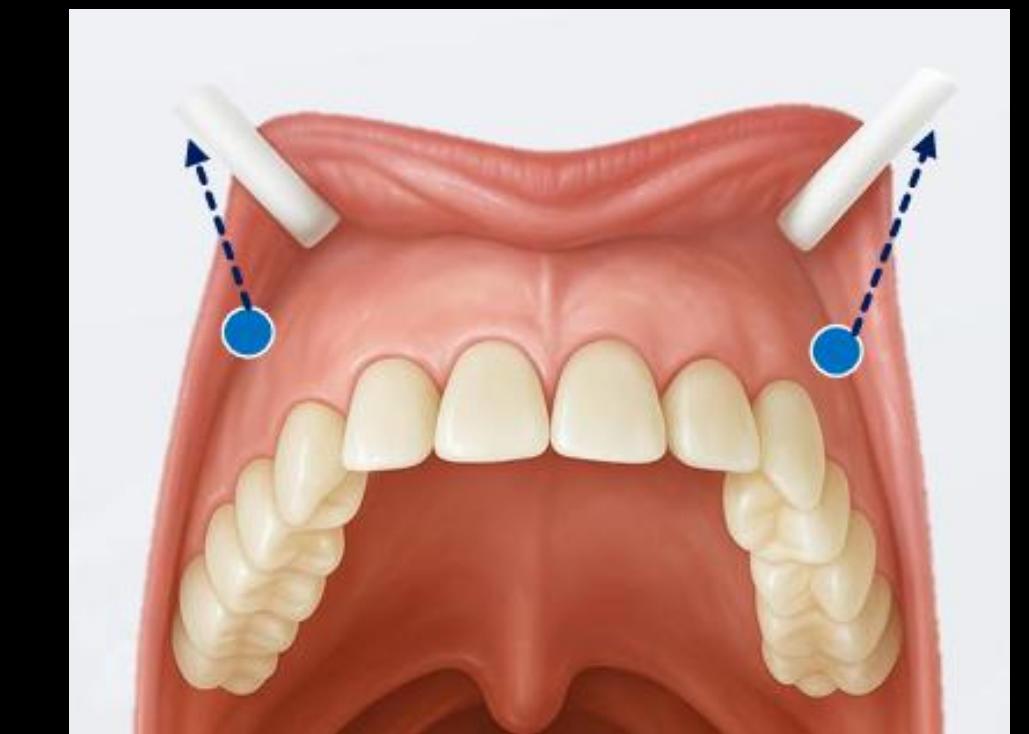
Nasolabial folds



Application sites

High ↘

- Nasolabial folds



Marionette lines



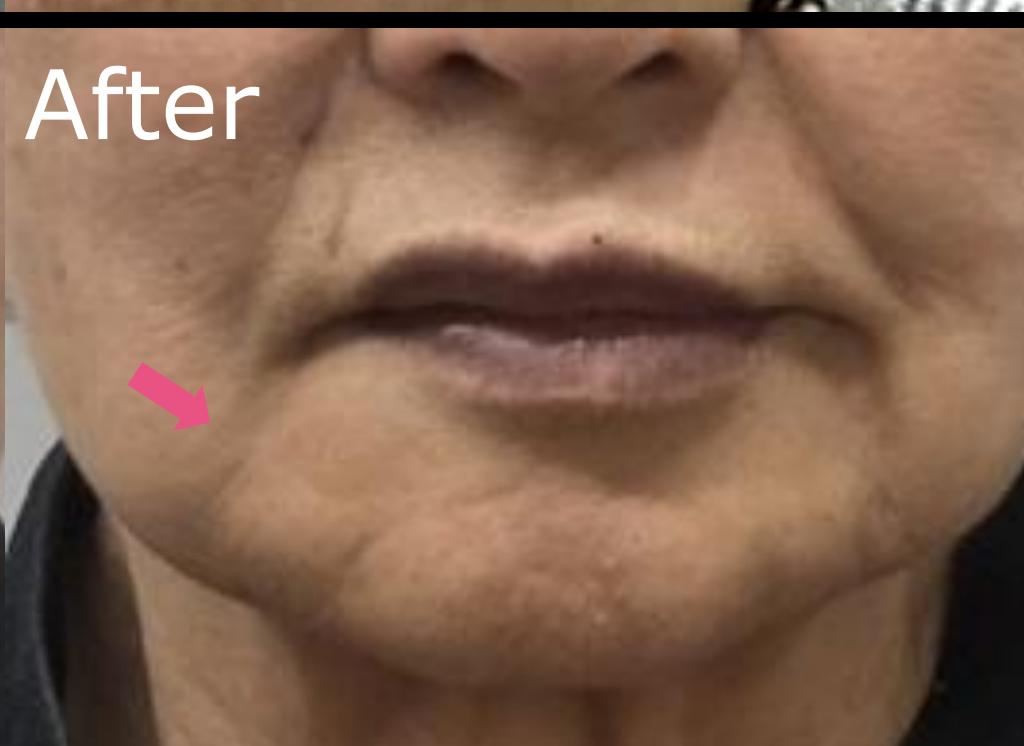
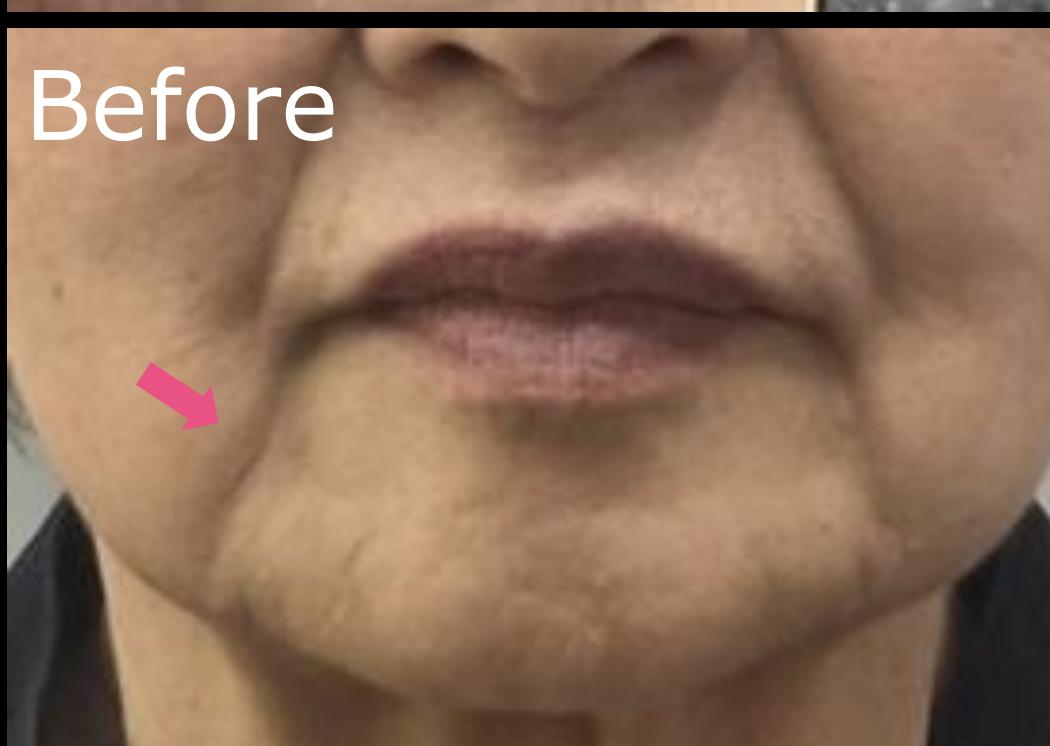
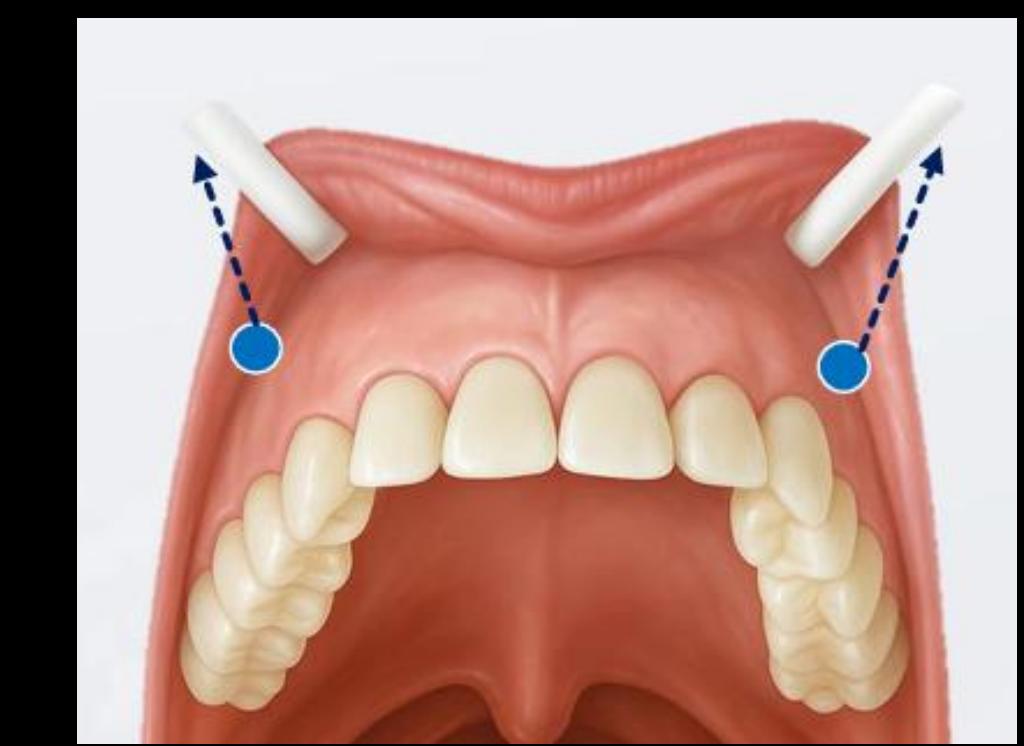
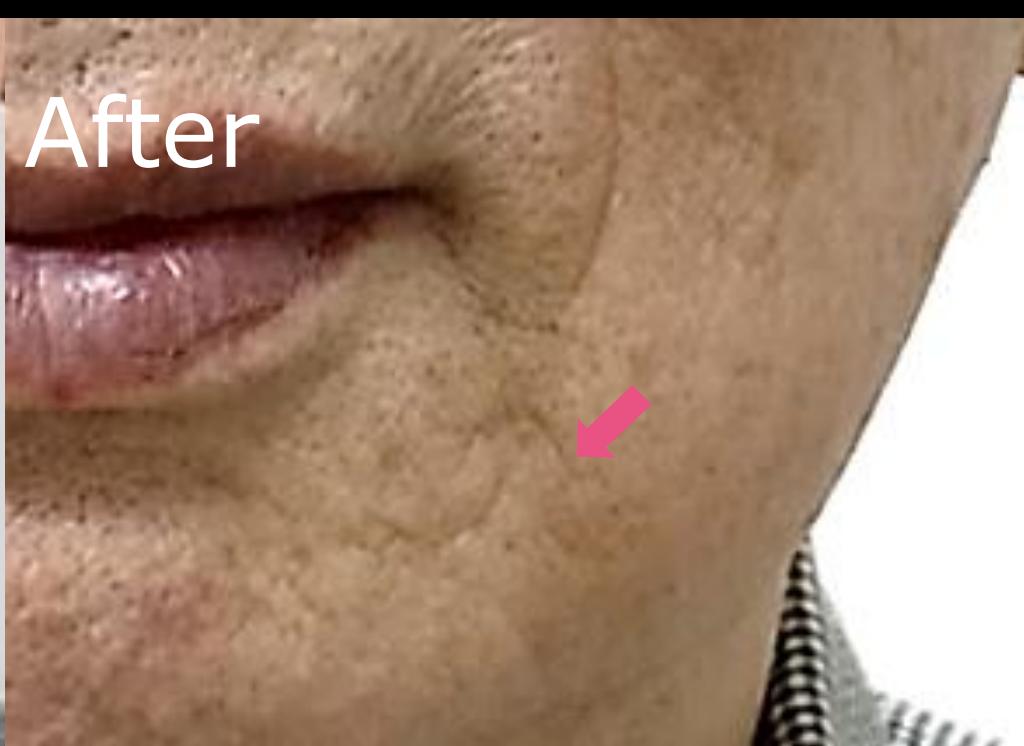
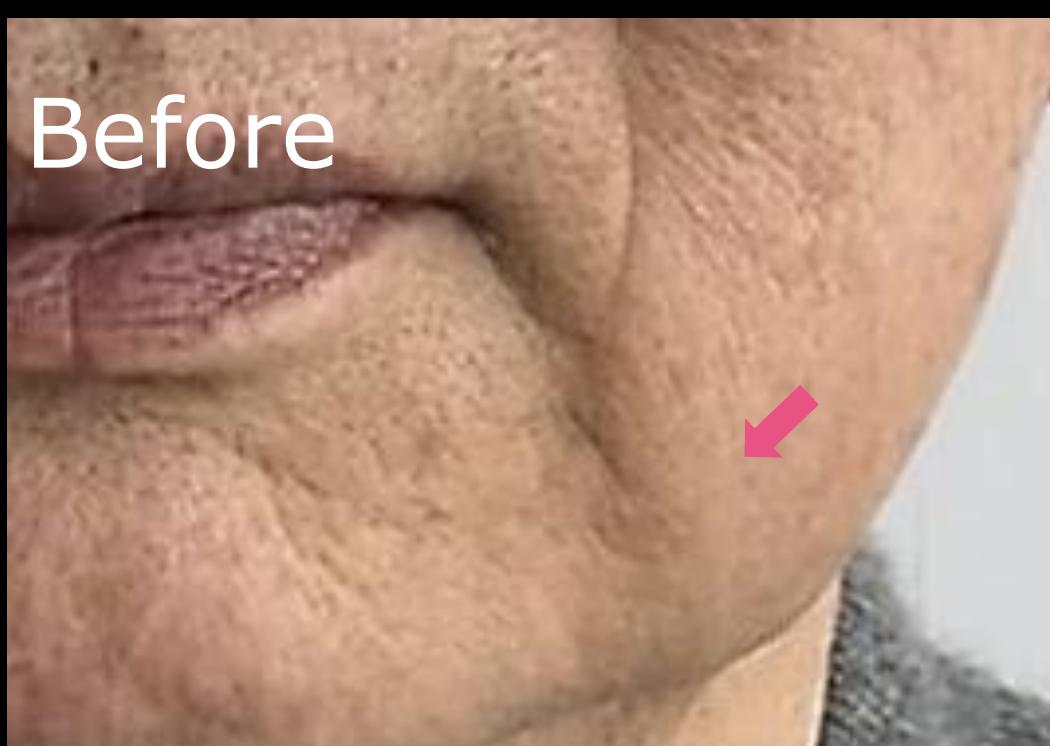
Dentium



Application sites

Smile / Rose ↗

- Marionette lines



Mental crease

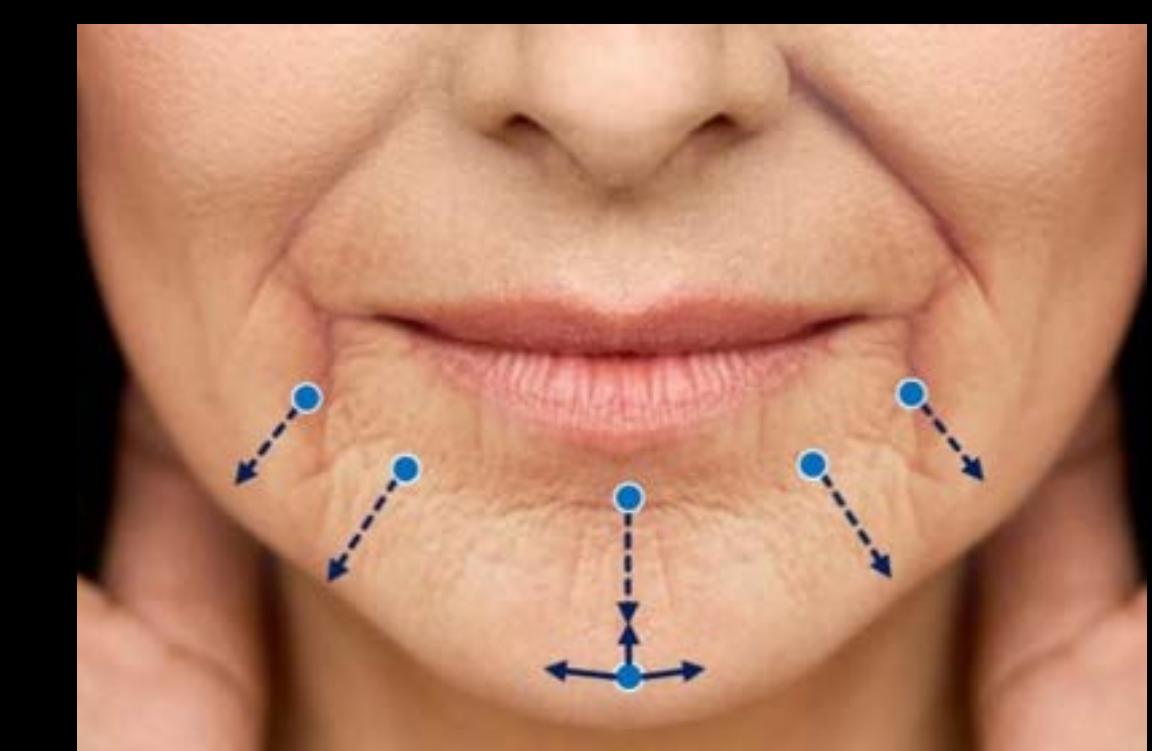
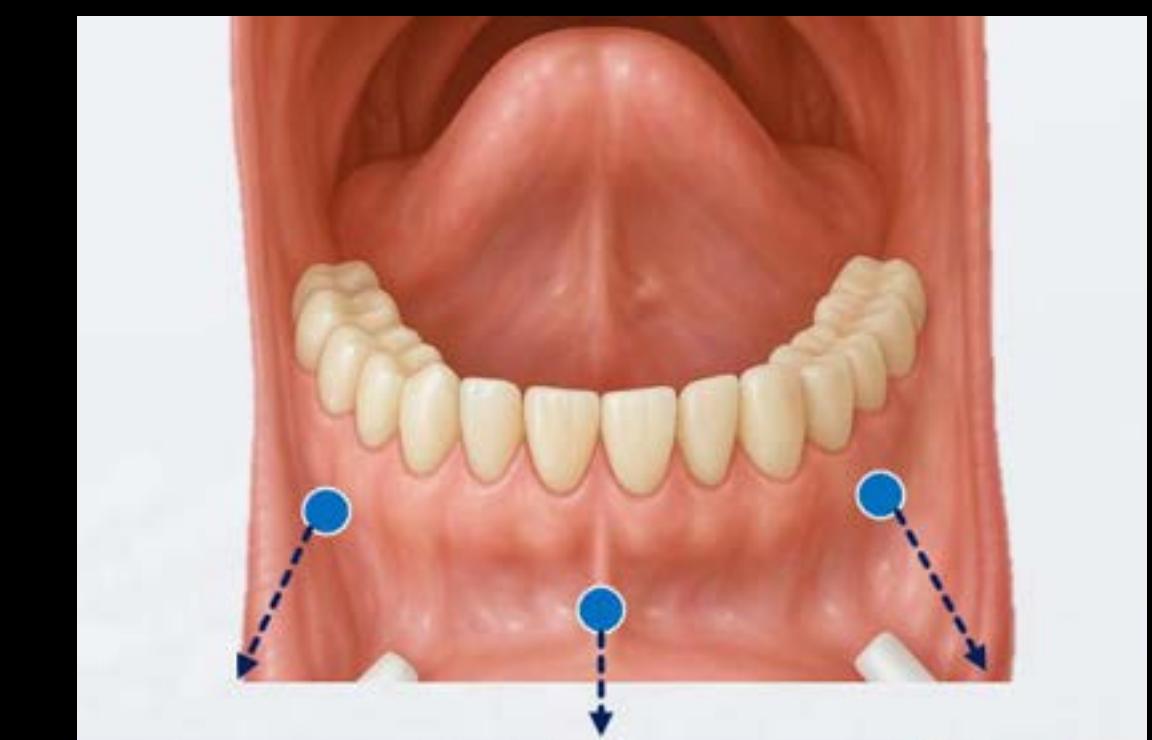


Dentium



Application sites

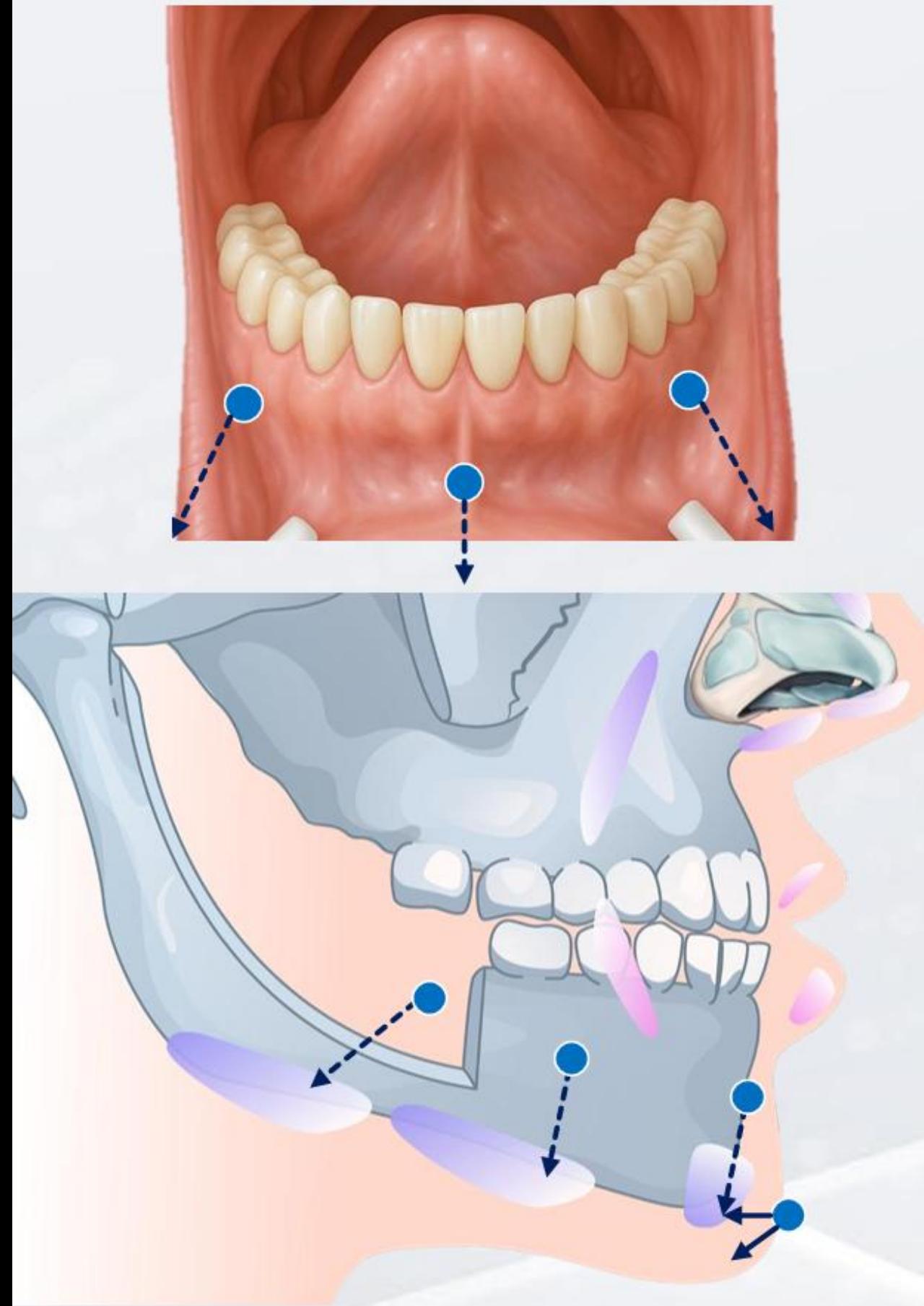
Smile / Rose ↗
- Mental crease



Chin & Jaw contour

Dentium

CHIN, JAW CONTOUR



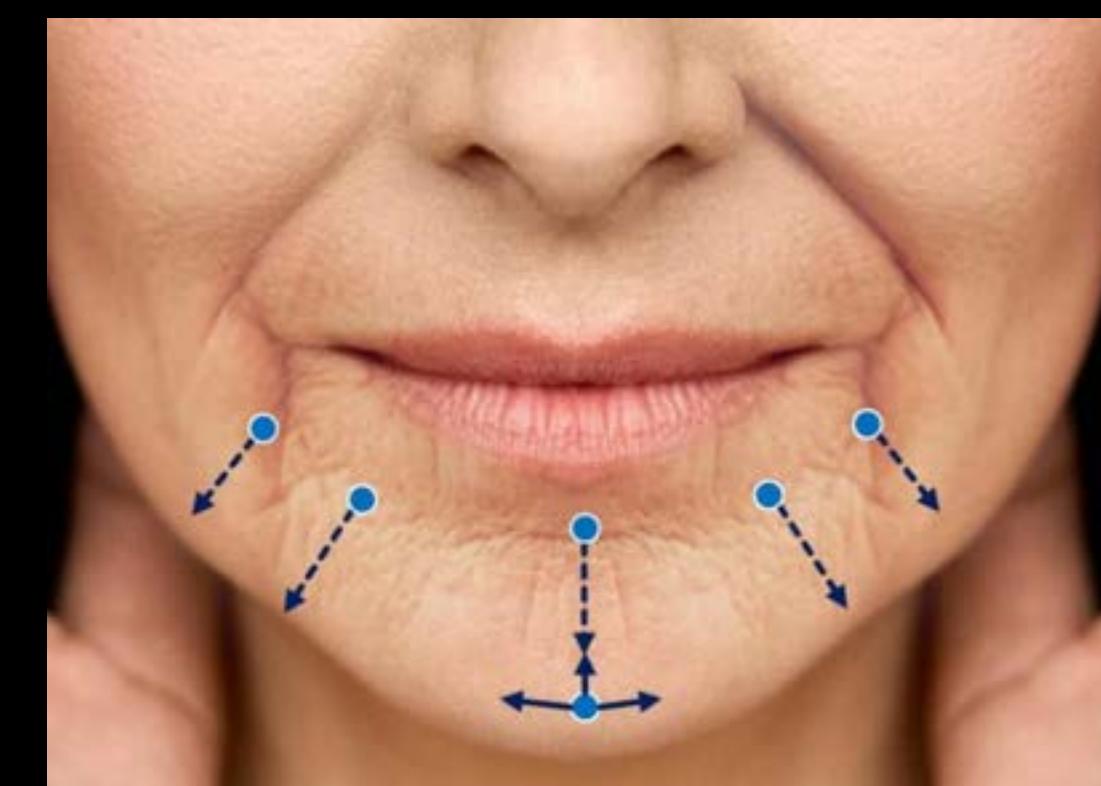
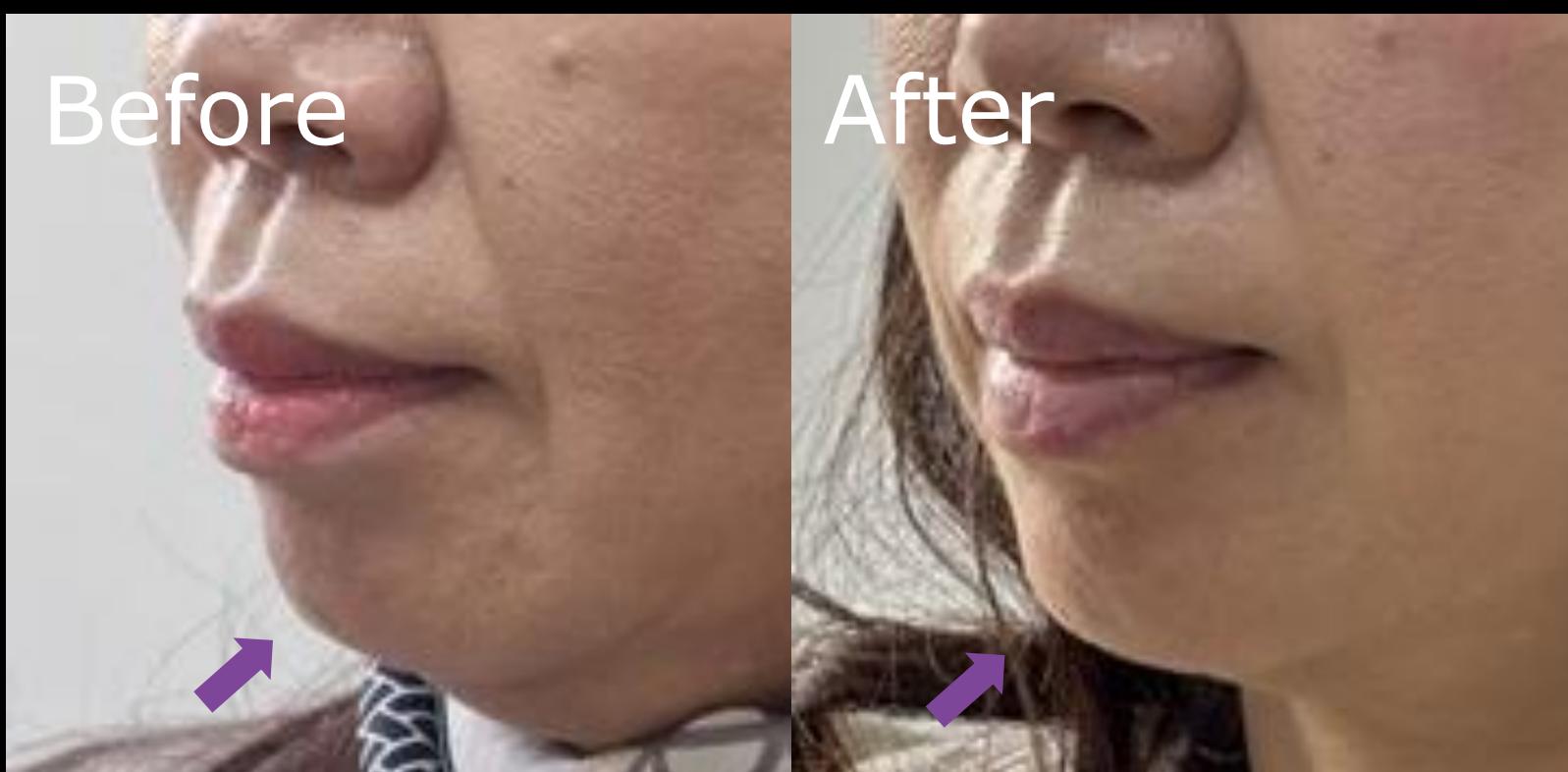
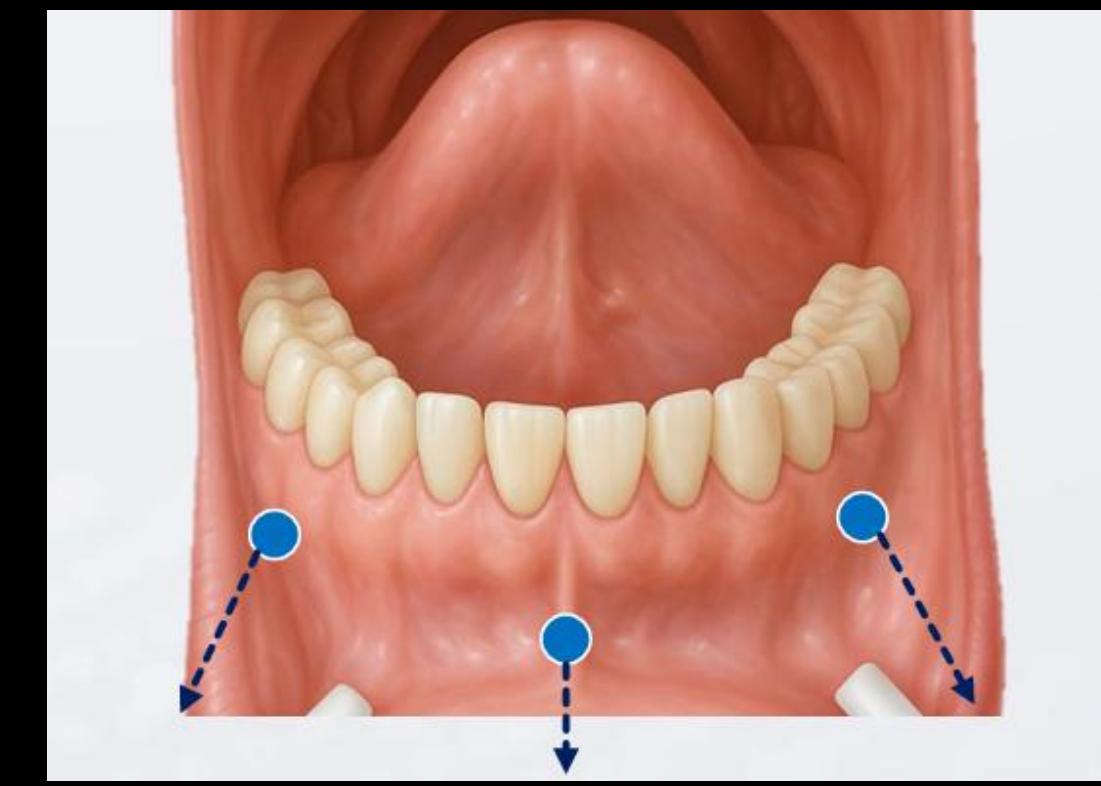
Chin & Jaw contour



Application sites

High ↙

- Chin



Forehead contour

Dentium

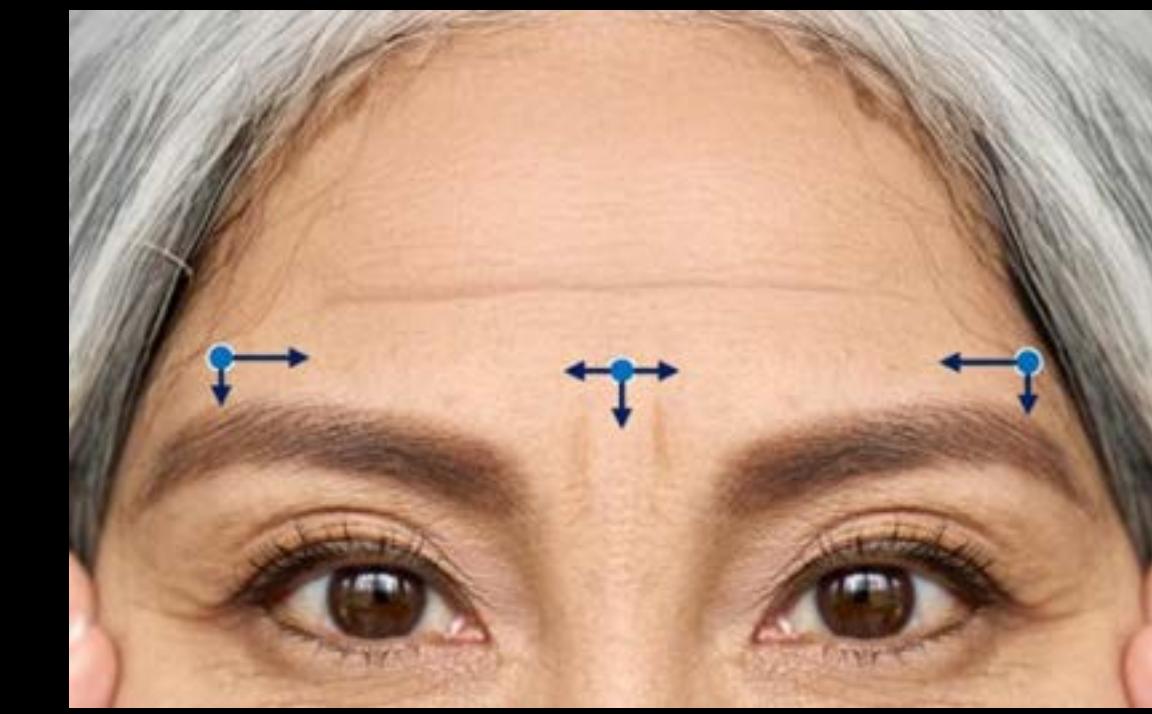
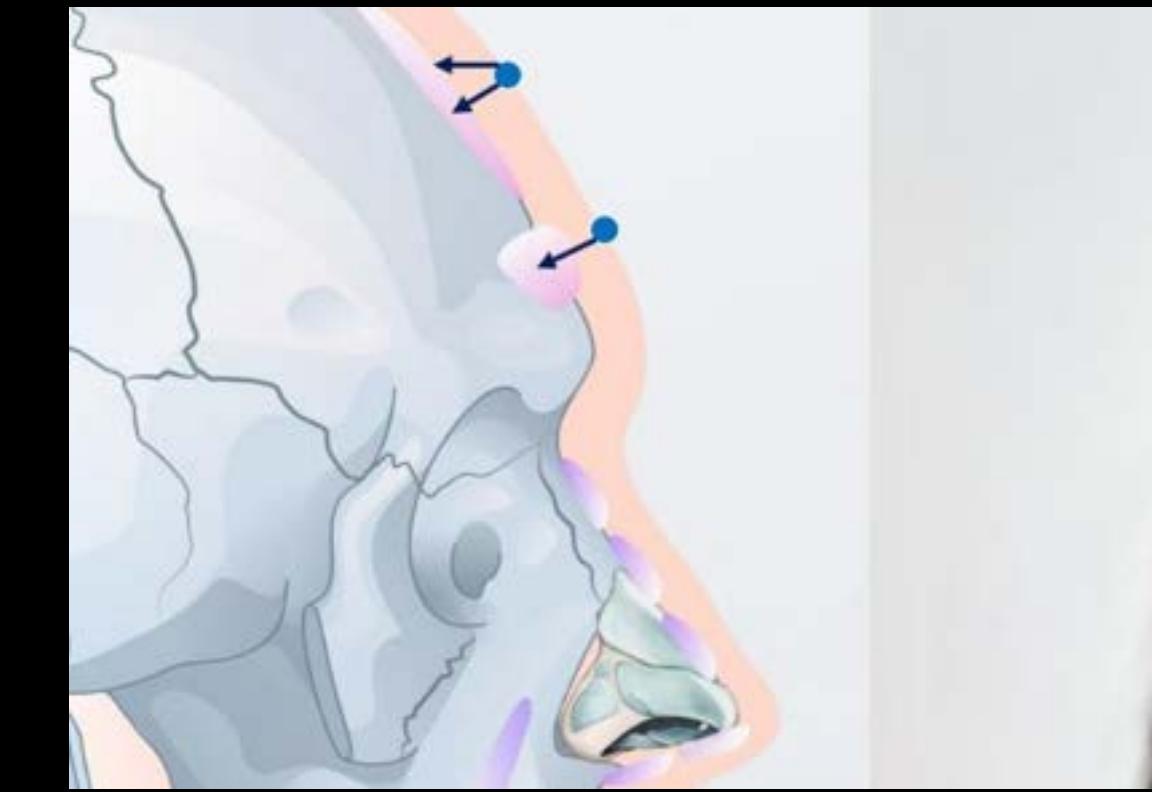


Forehead contour

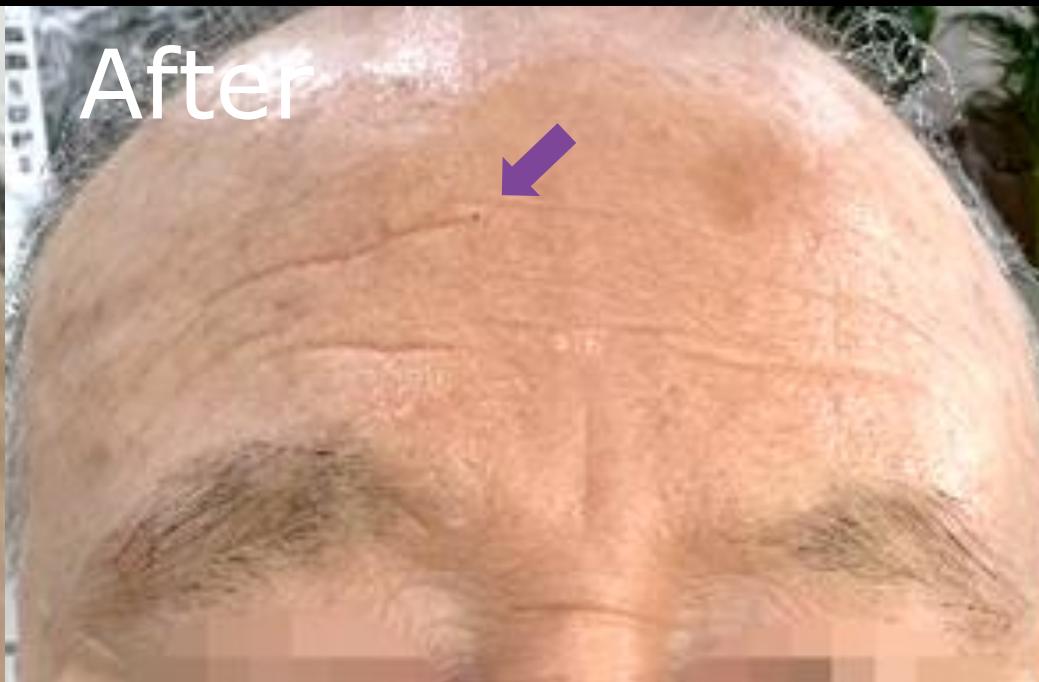
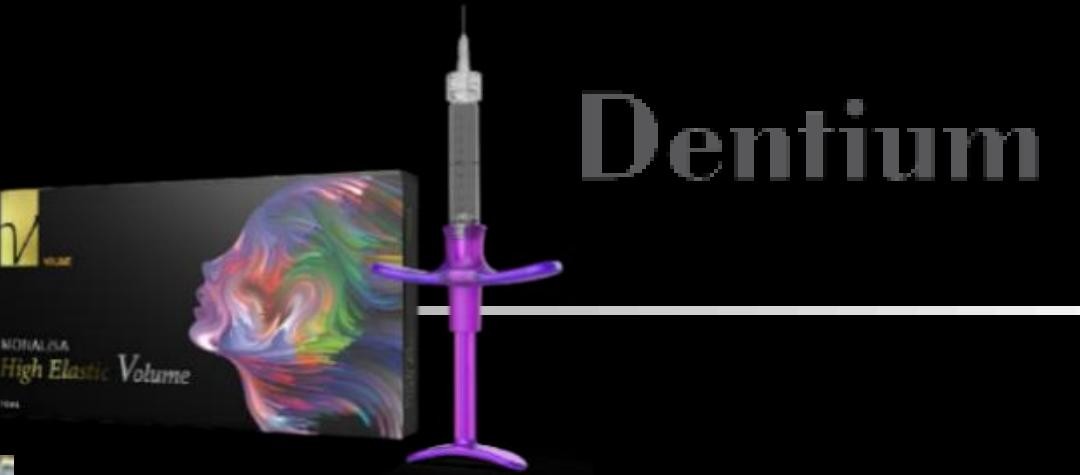


Application sites

High
- Forehead



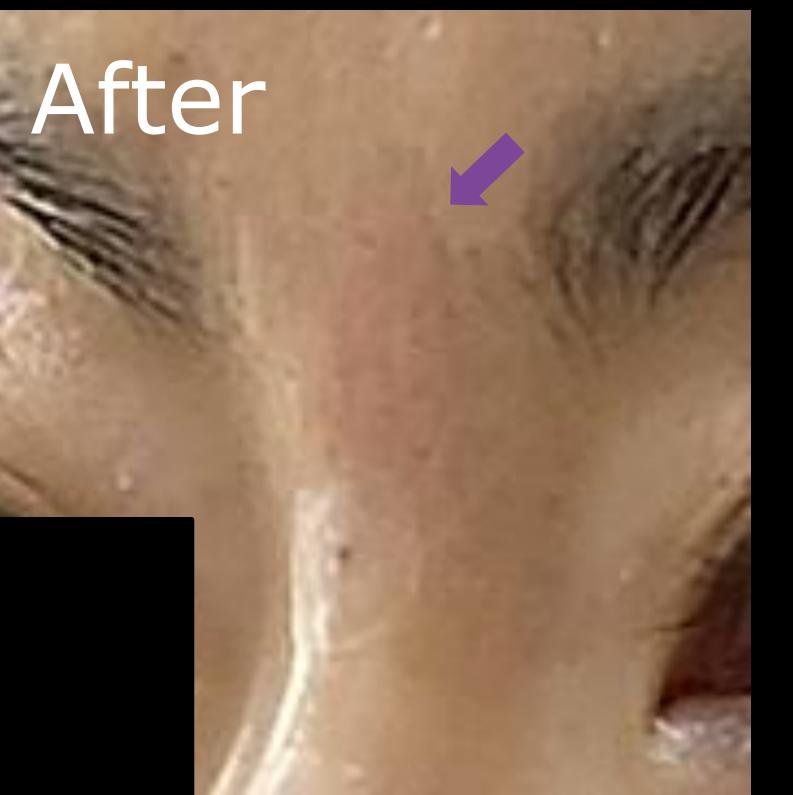
Frown line & Procerus



Application sites

High

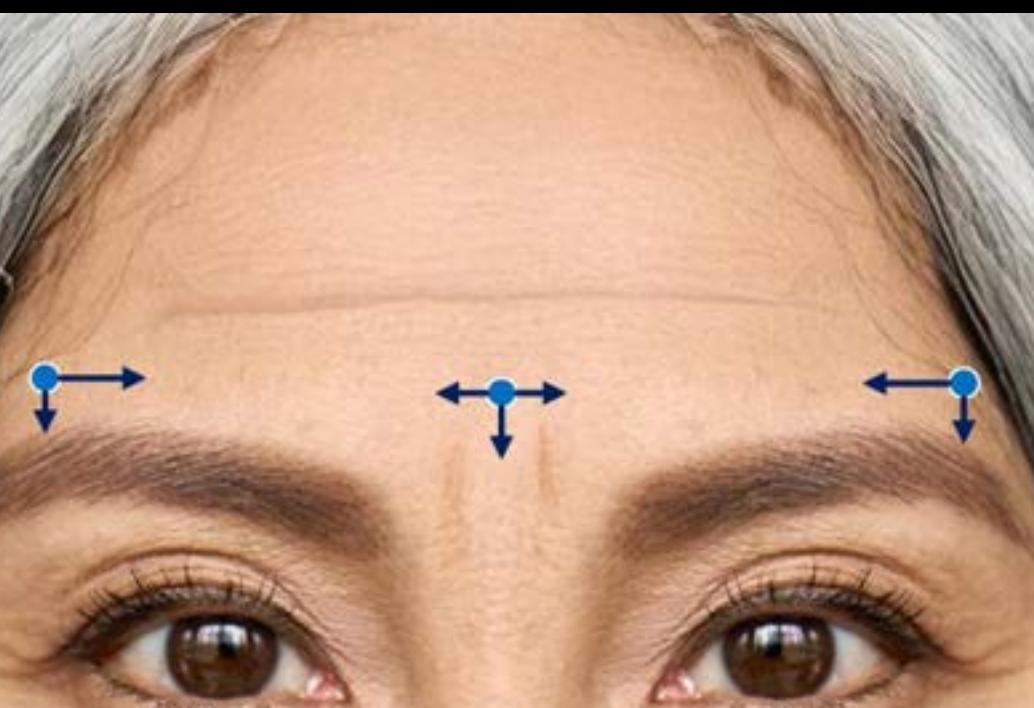
- **Frown line**



Application sites

Toxin

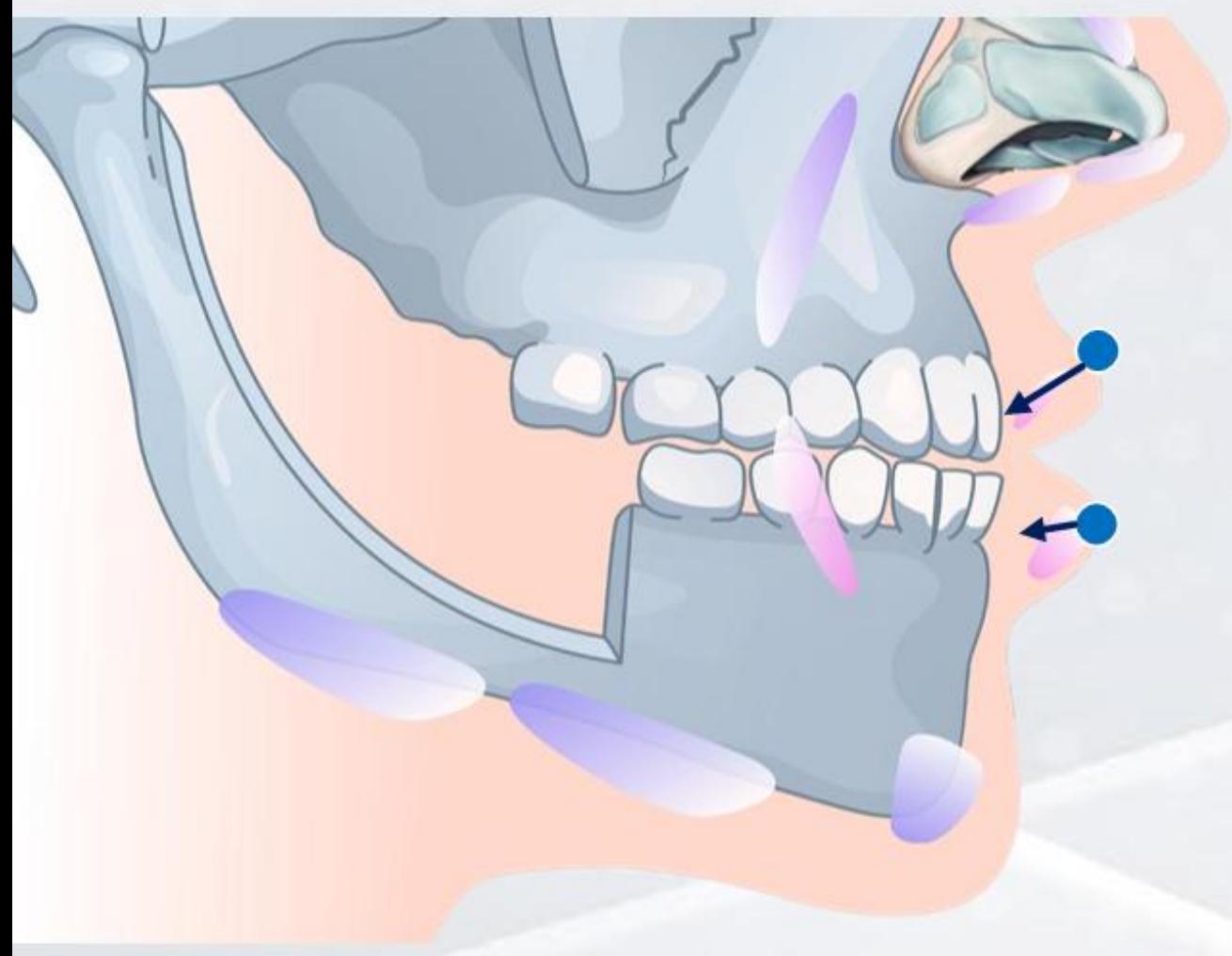
- **Frown line**



Labial contour

Dentium

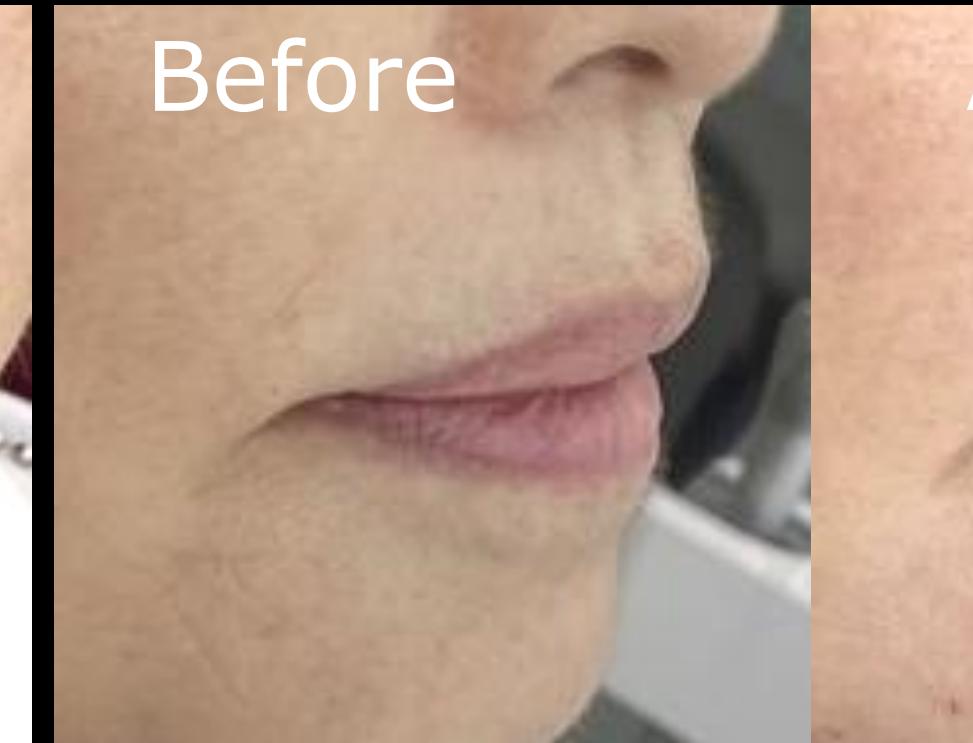
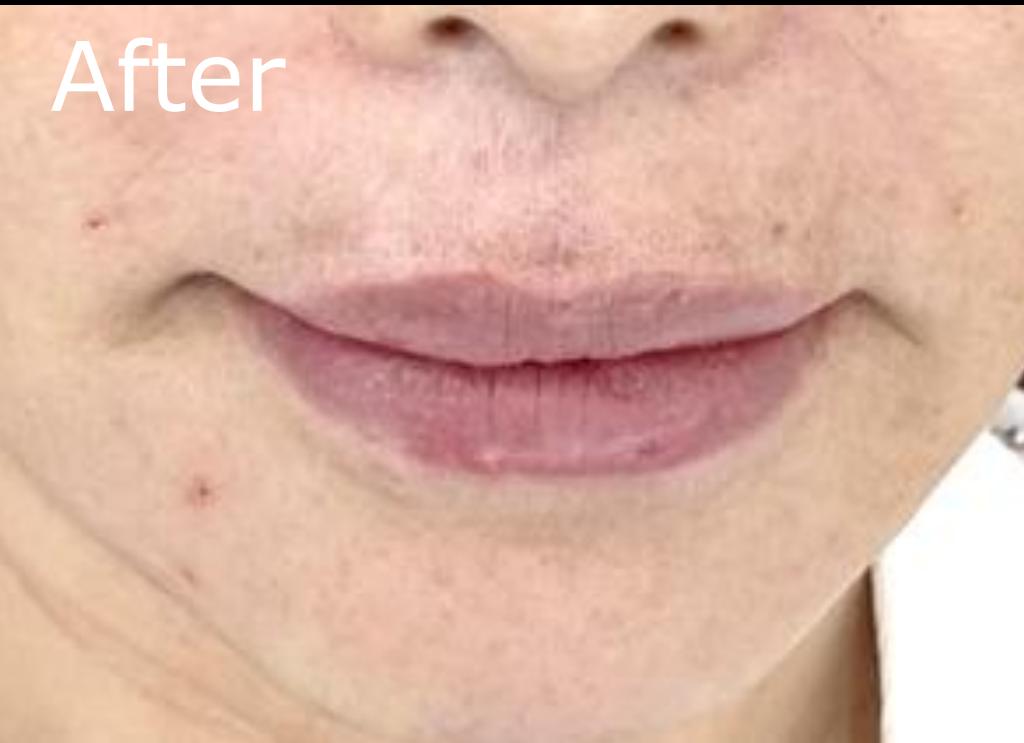
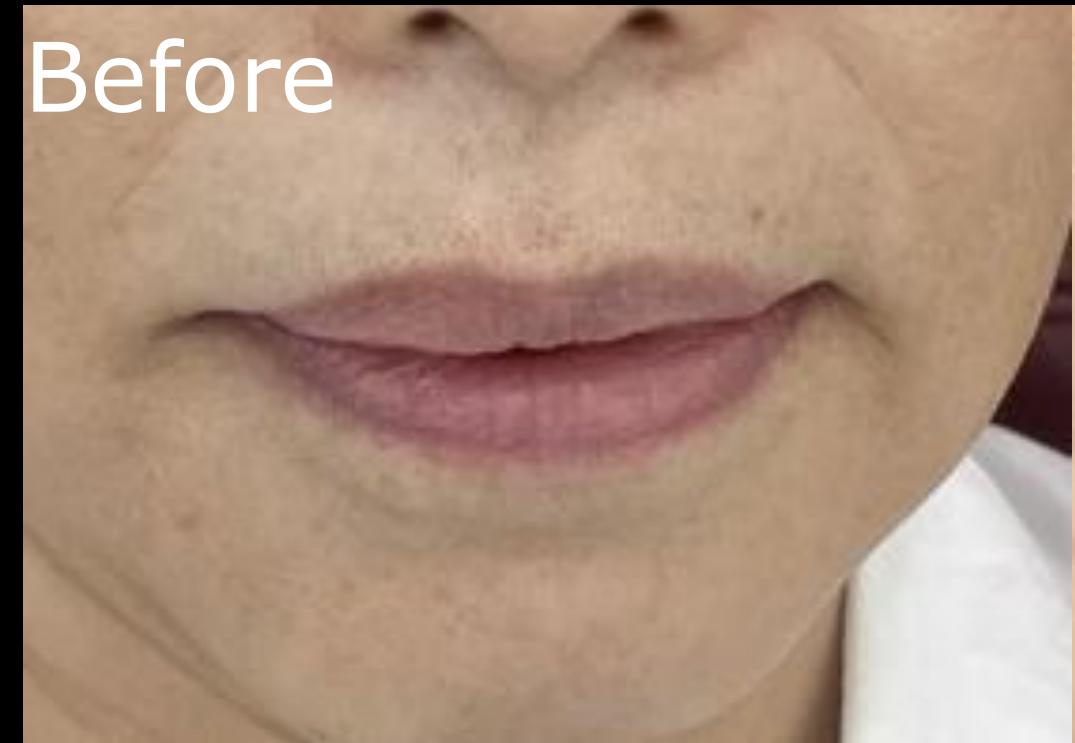
LIP



Labial contour



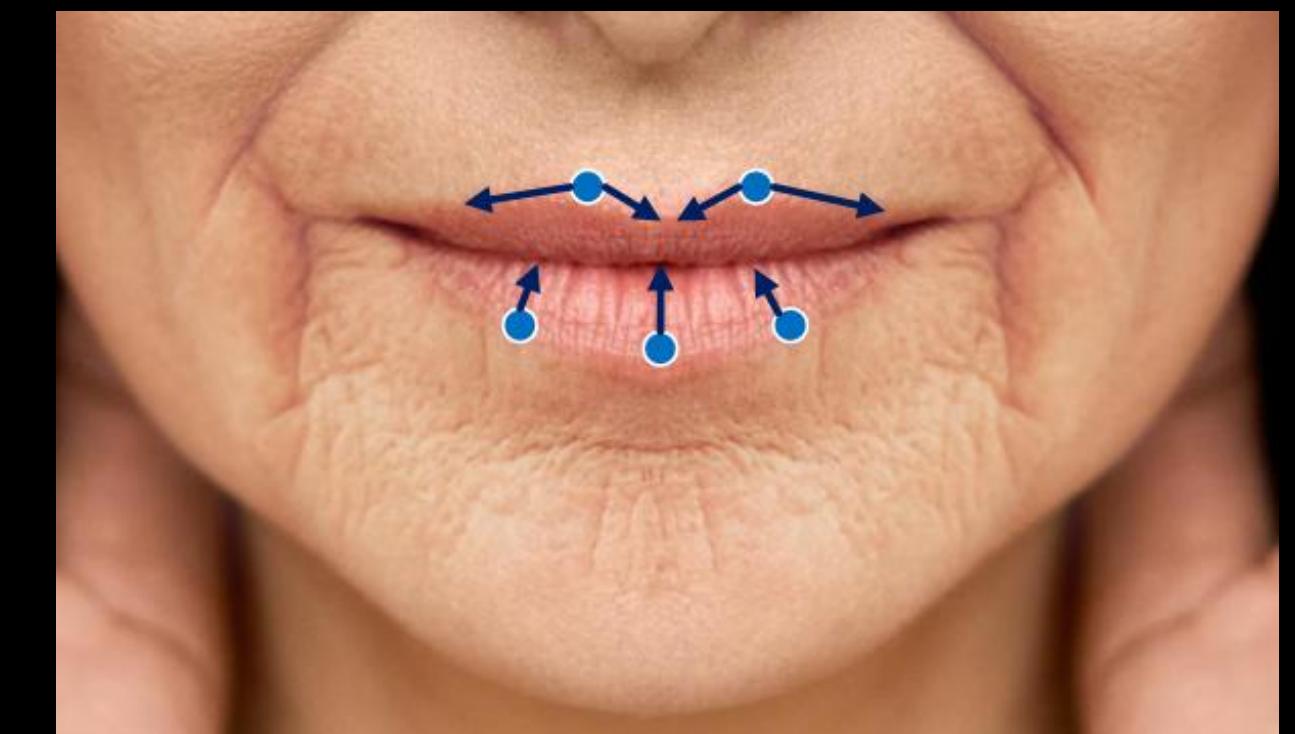
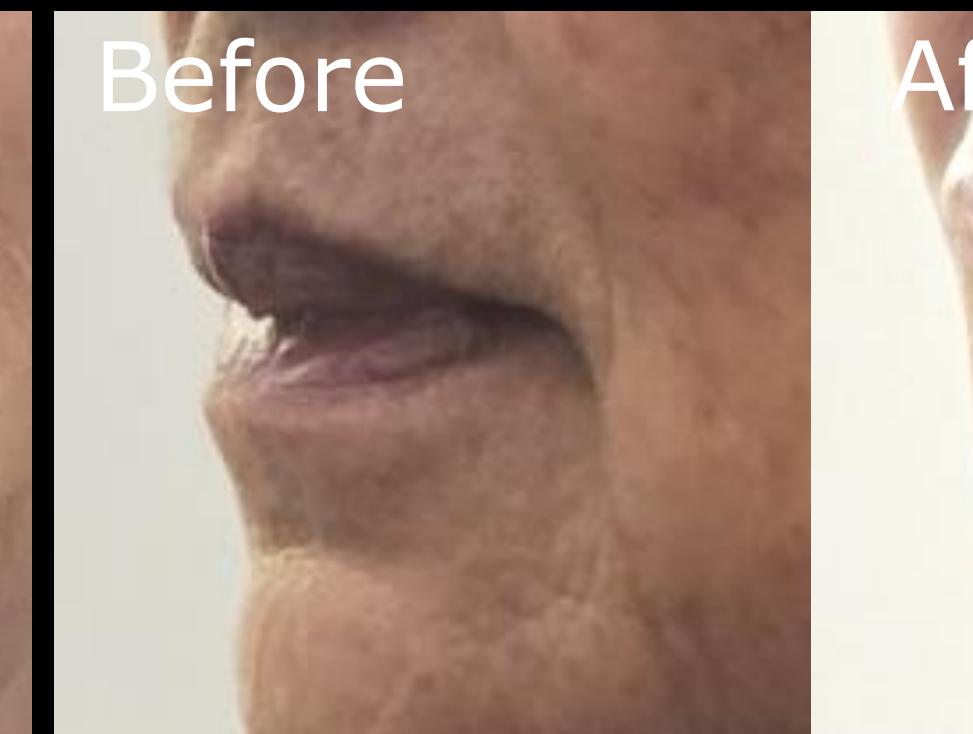
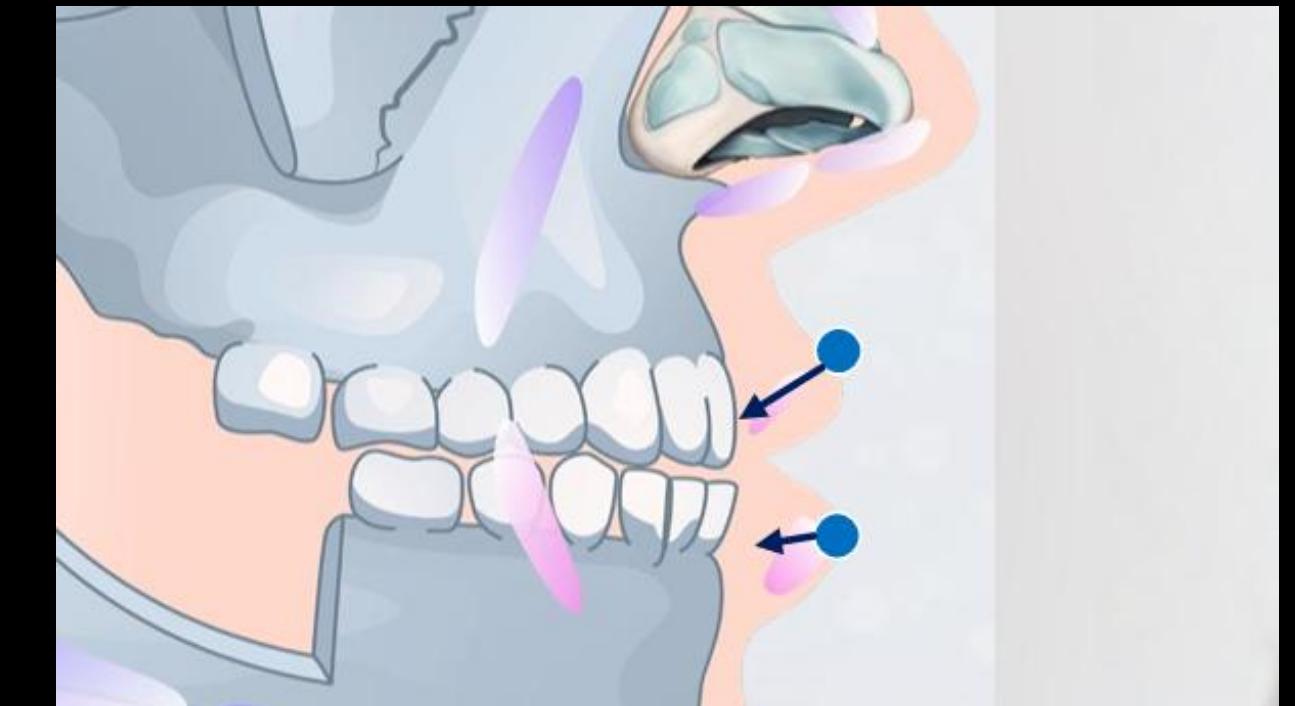
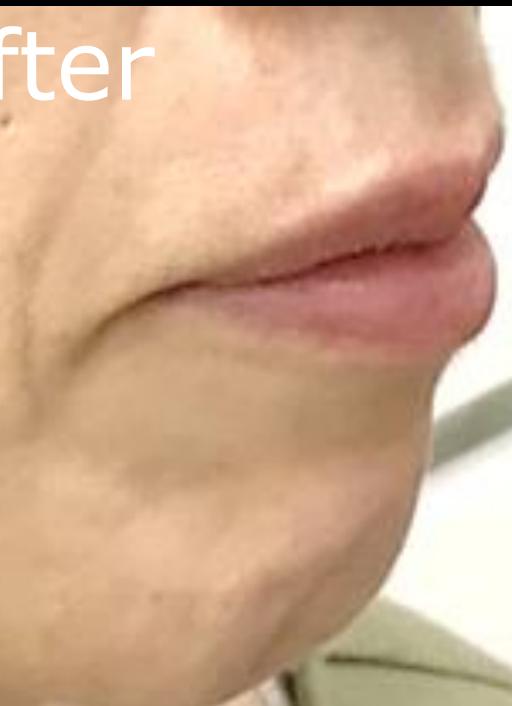
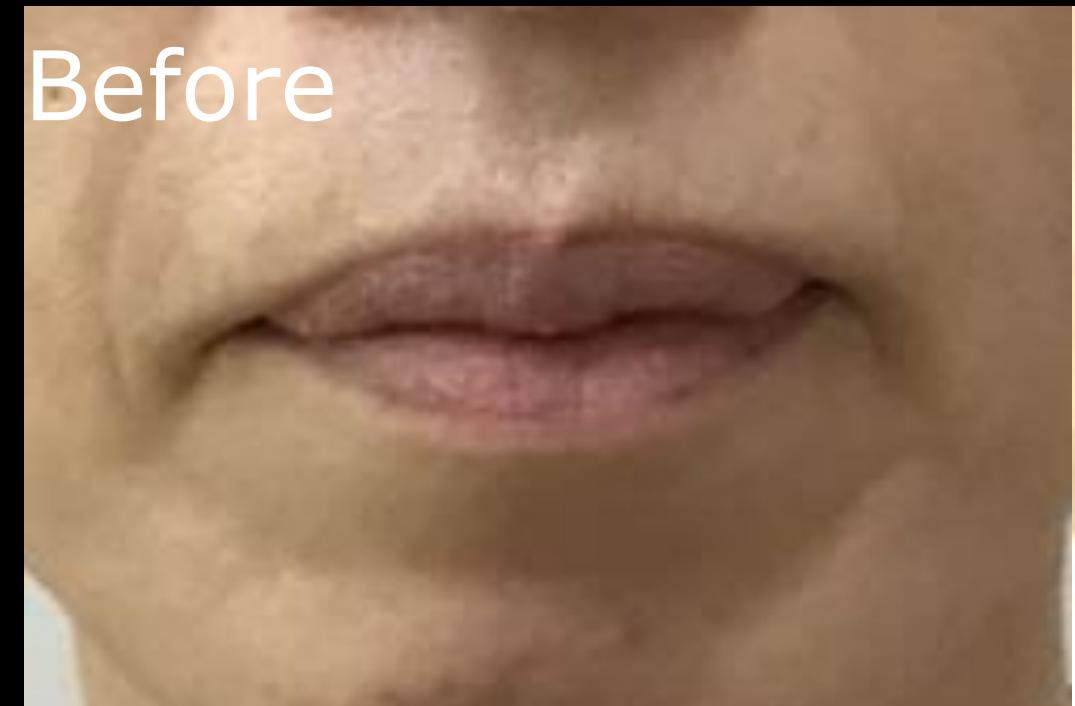
Dentium



Application sites

Rose ↗

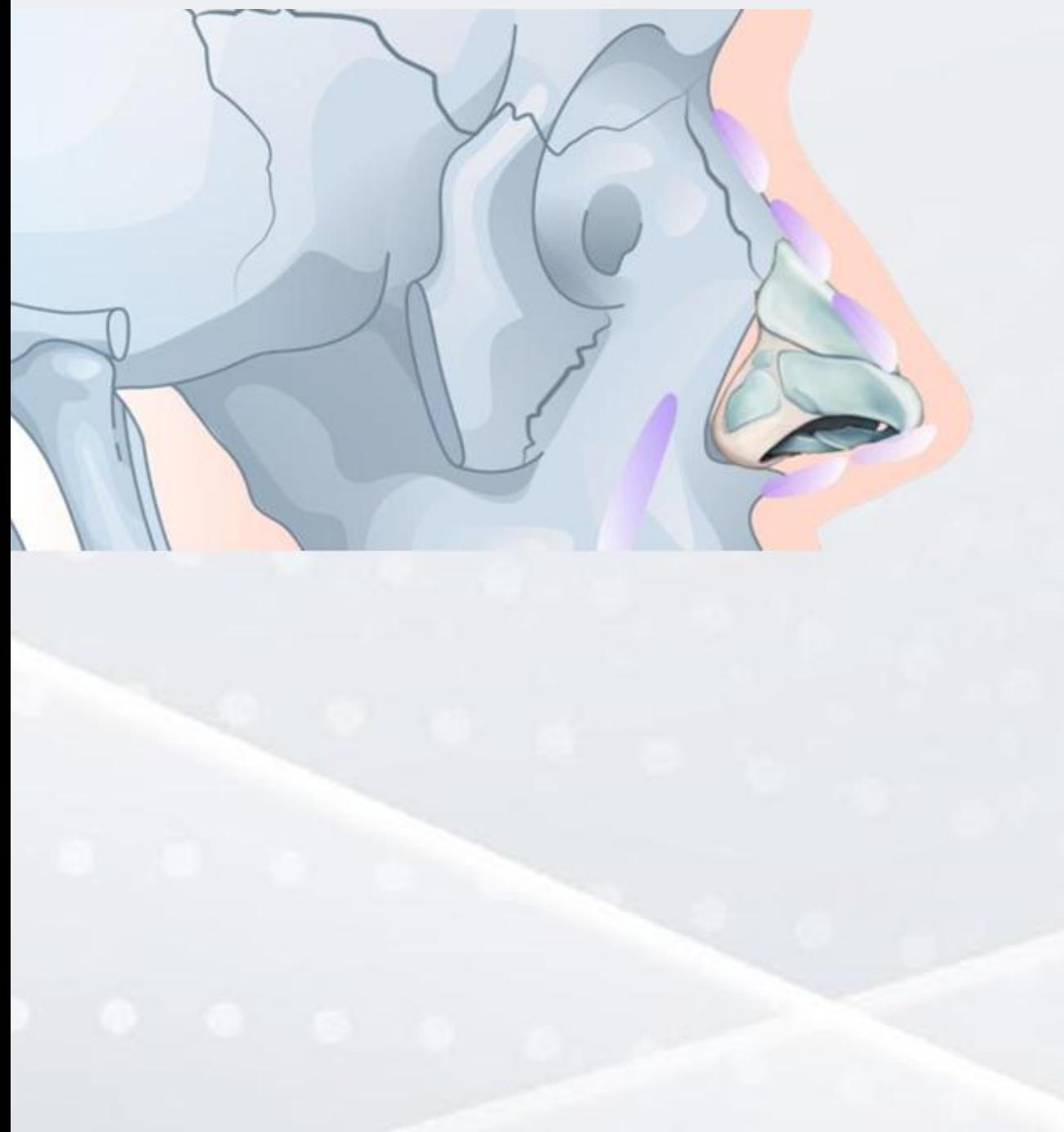
- Lip



Nasal contour

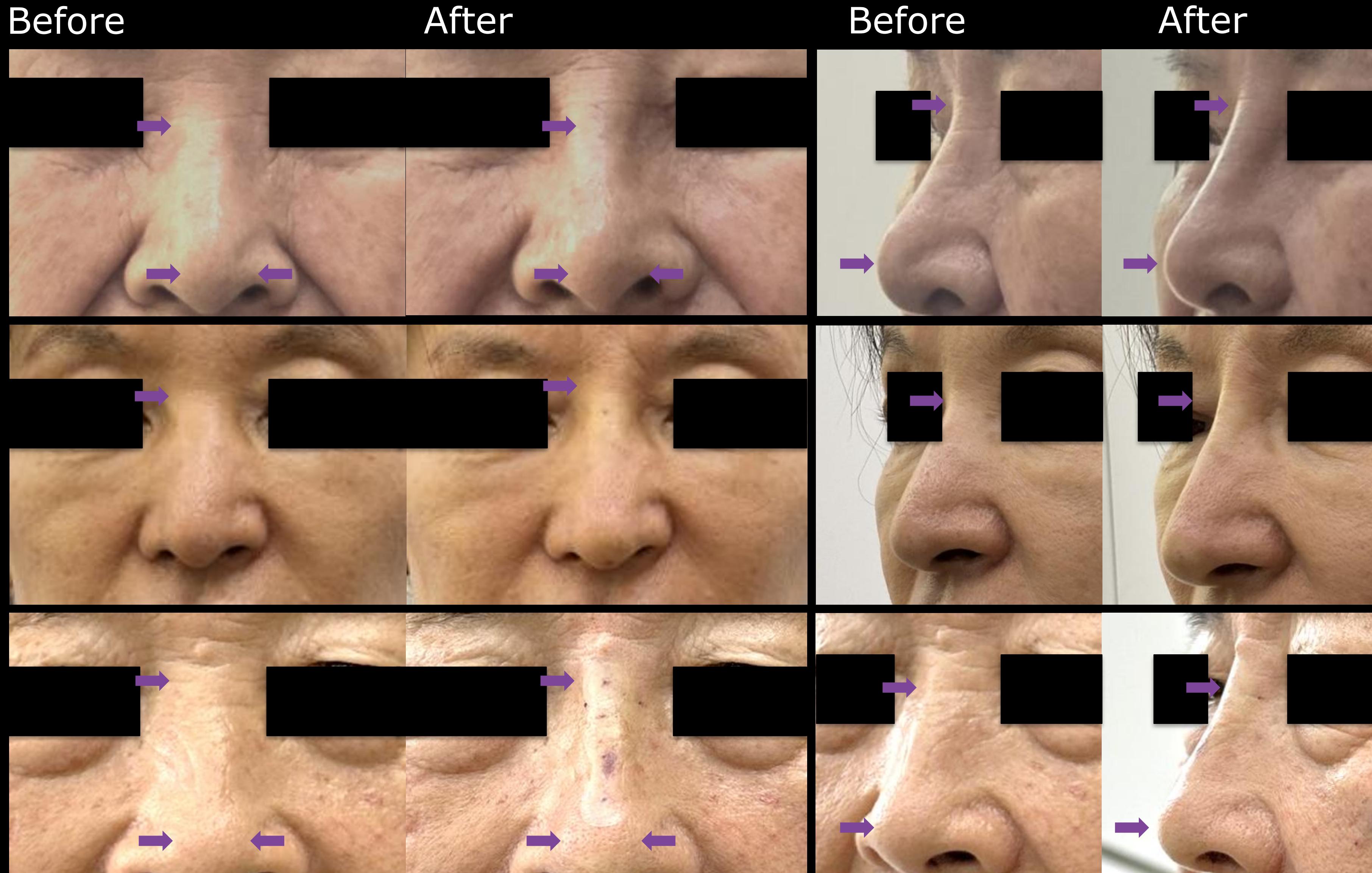
Dentium

NOSE



→ Outra Oral Injection
→ Intra Oral Injection

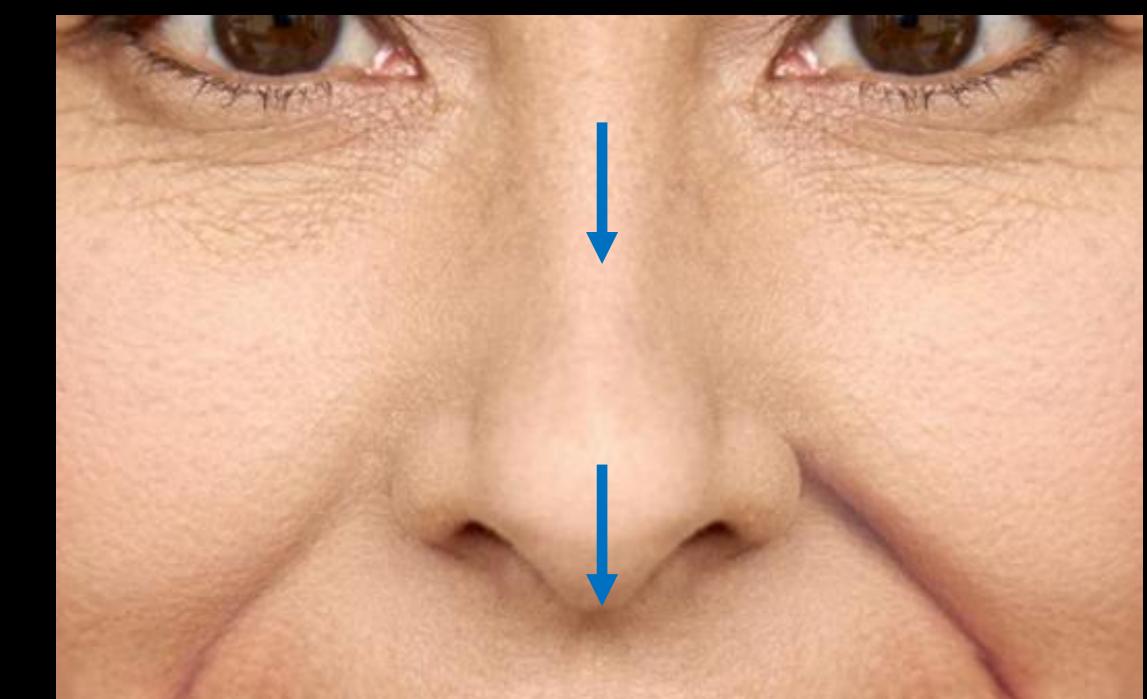
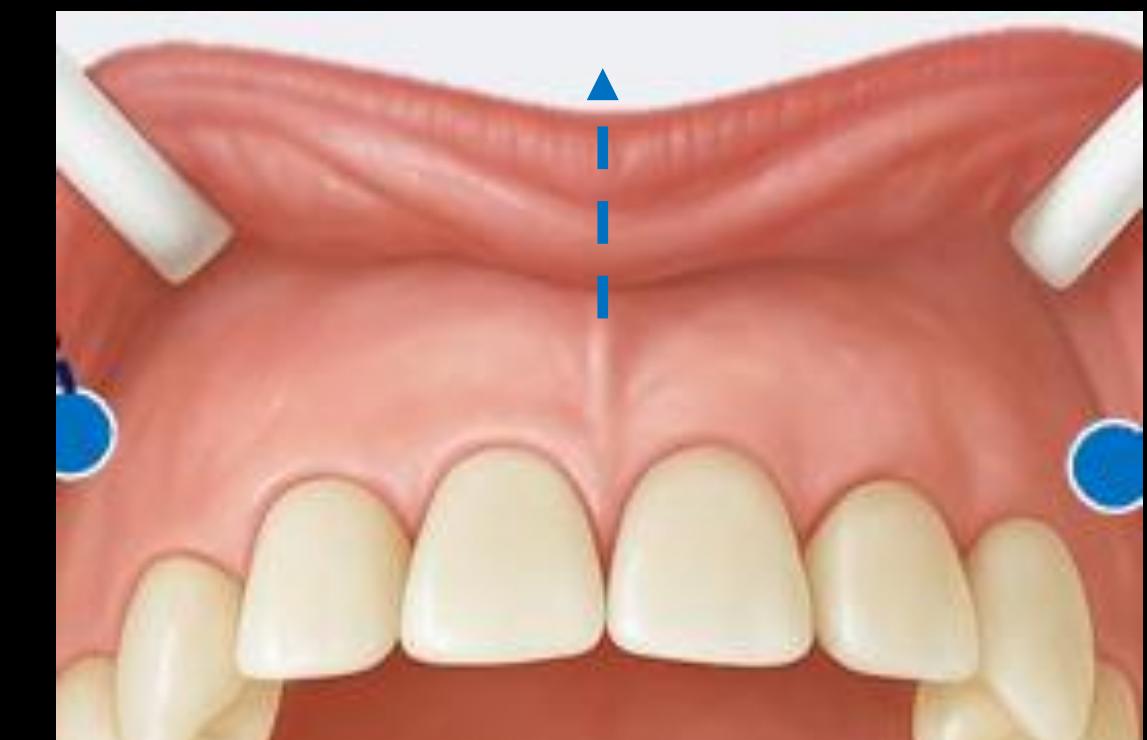
Nasal contour



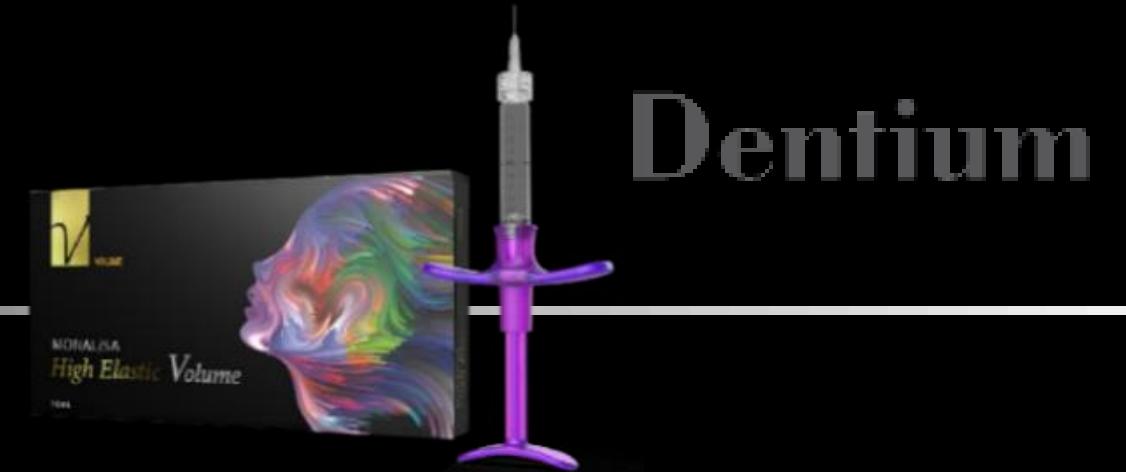
Application sites

High ↘

- Dorsum
- Nose tip



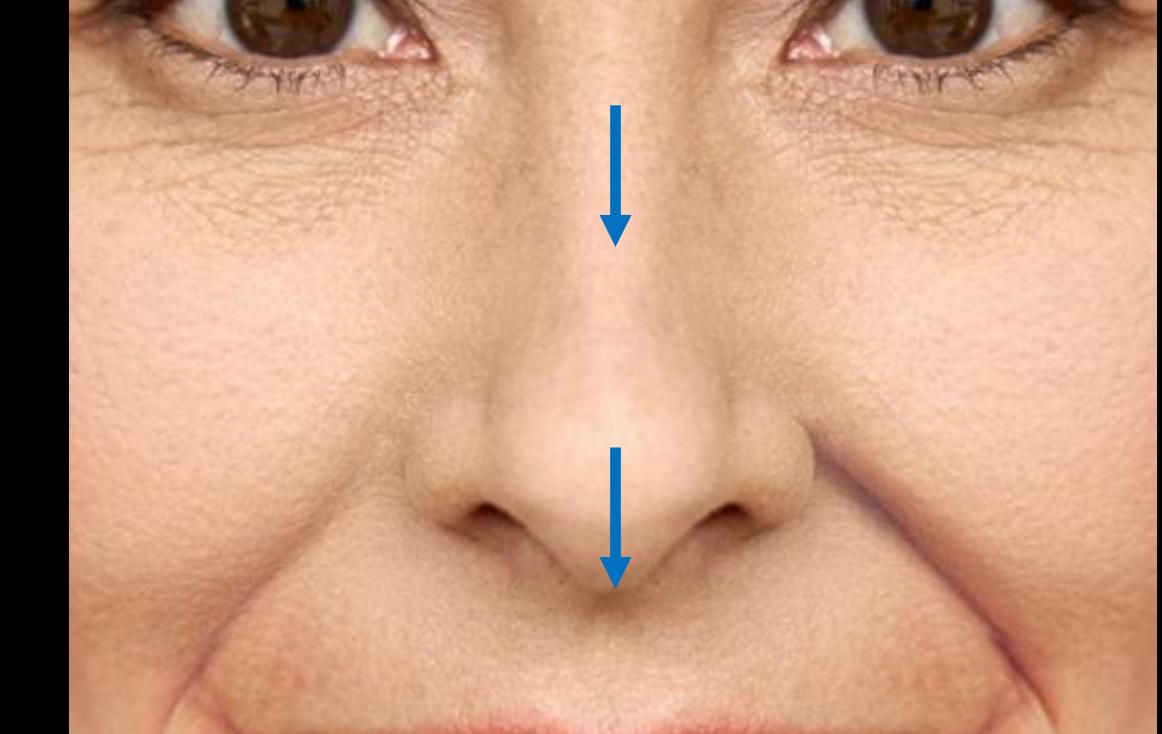
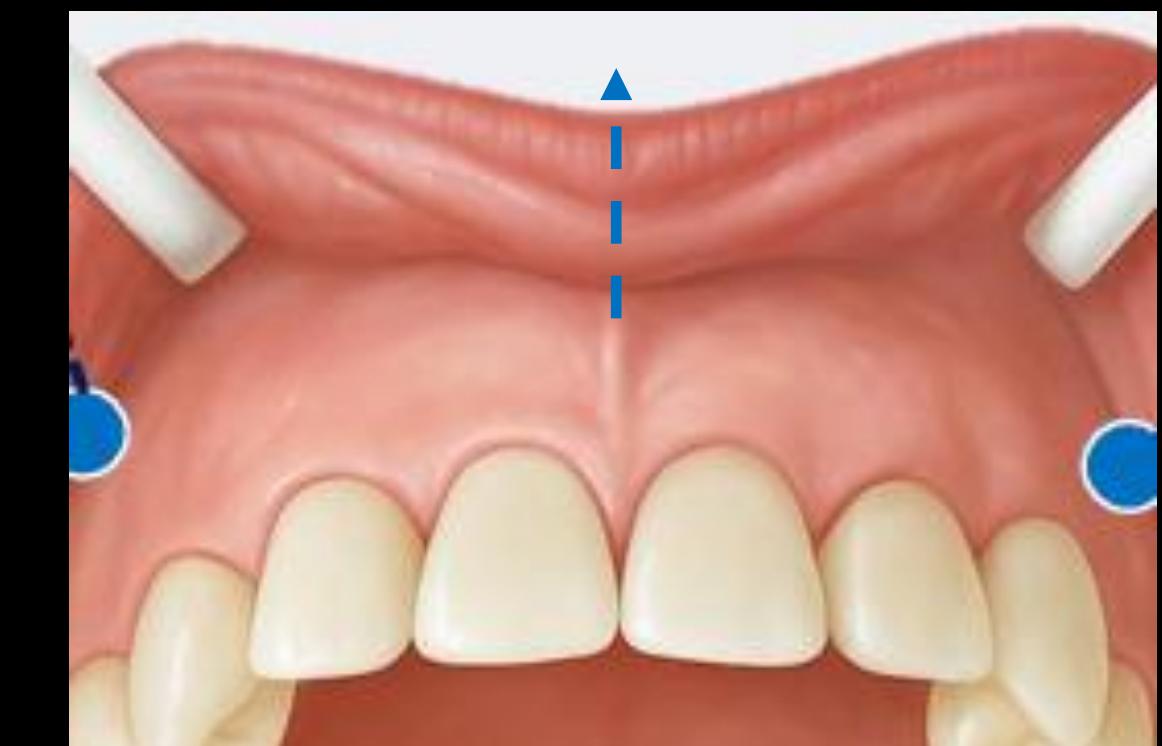
Nasal contour



Application sites

High ↙

- Dorsum
- Nose tip



The front of

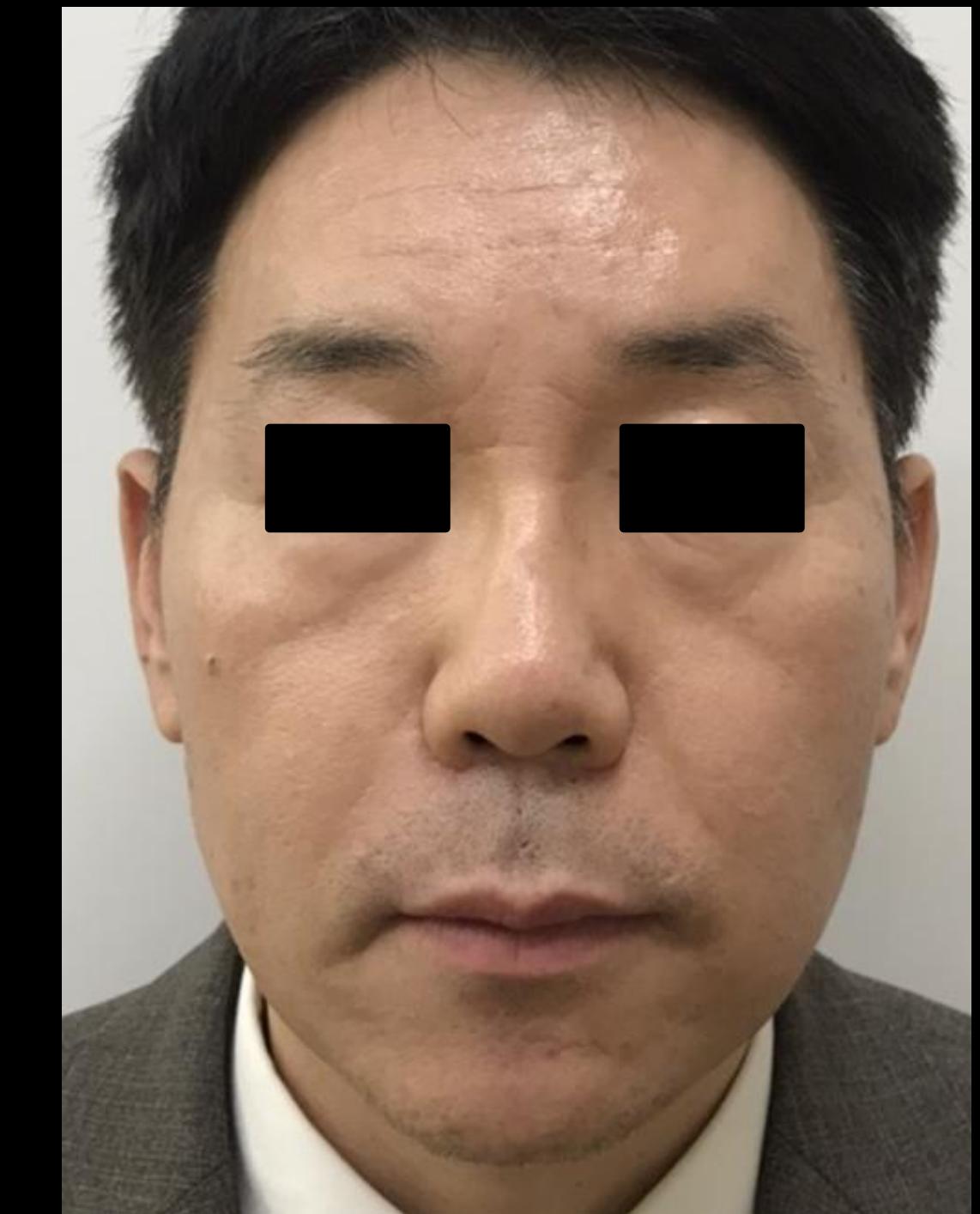
Before (2025-08-30)



After (2025-08-30)



After 1W (2025-09-25)



The front of

Before (2025-08-30)



After (2025-08-30)



After 2W (2025-09-12)



The front of

Before (2025-08-30)



After (2025-08-30)



After 6W (2025-10-13)



The front of

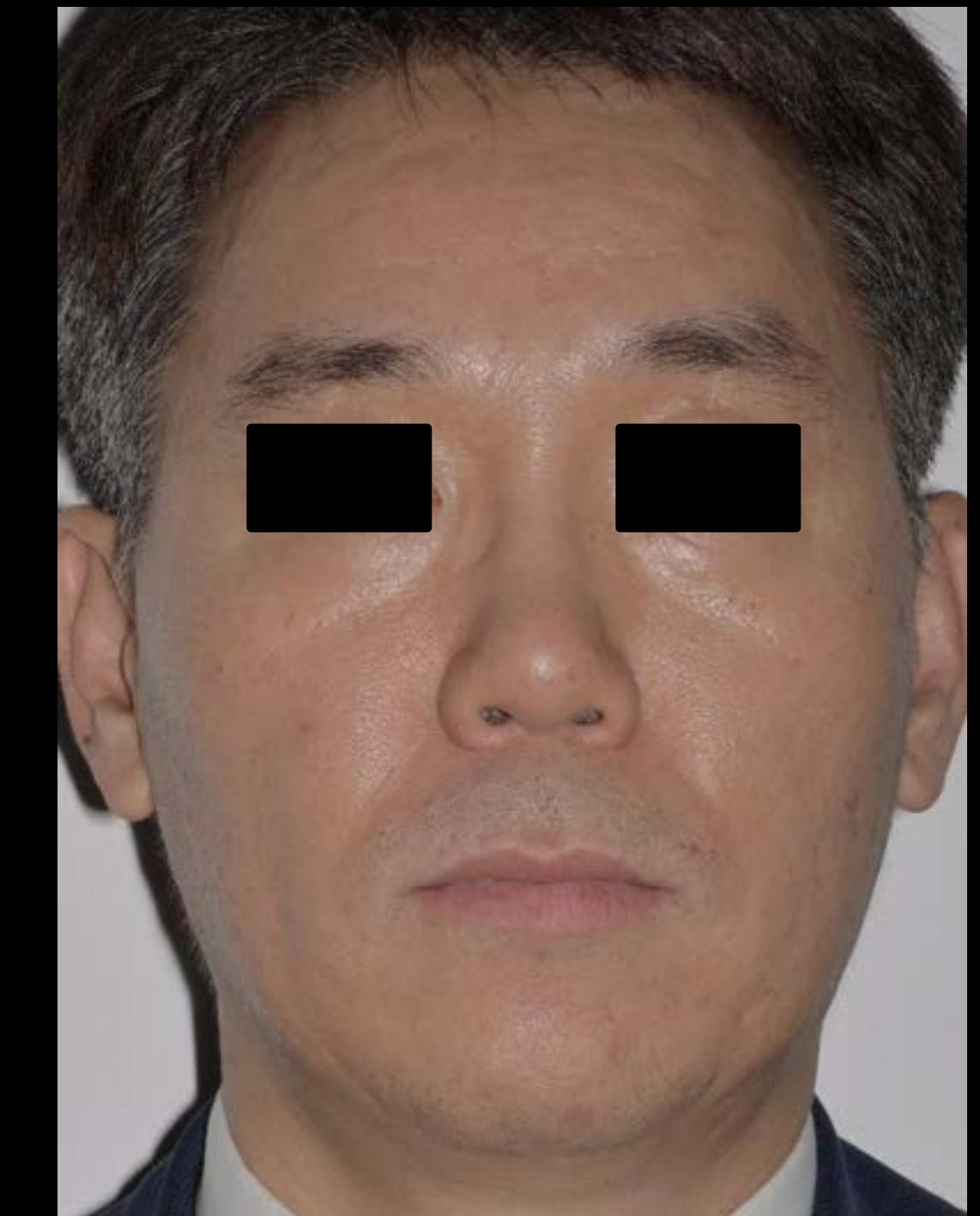
Before (2025-08-30)



After (2025-08-30)

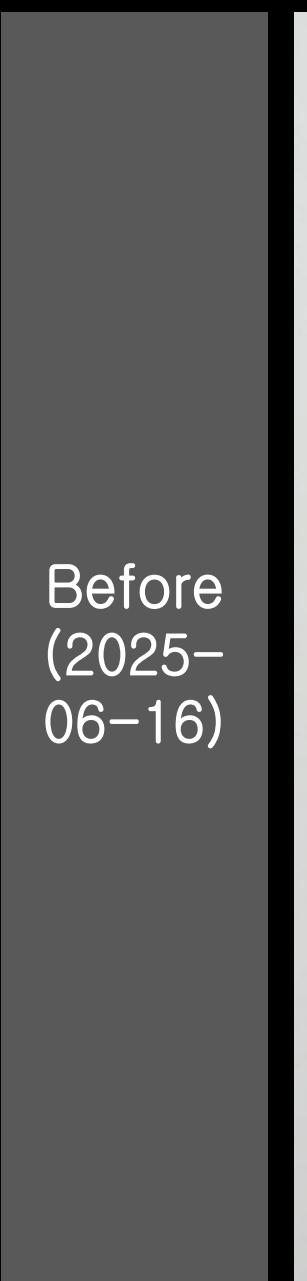


After 2M (2025-10-29)

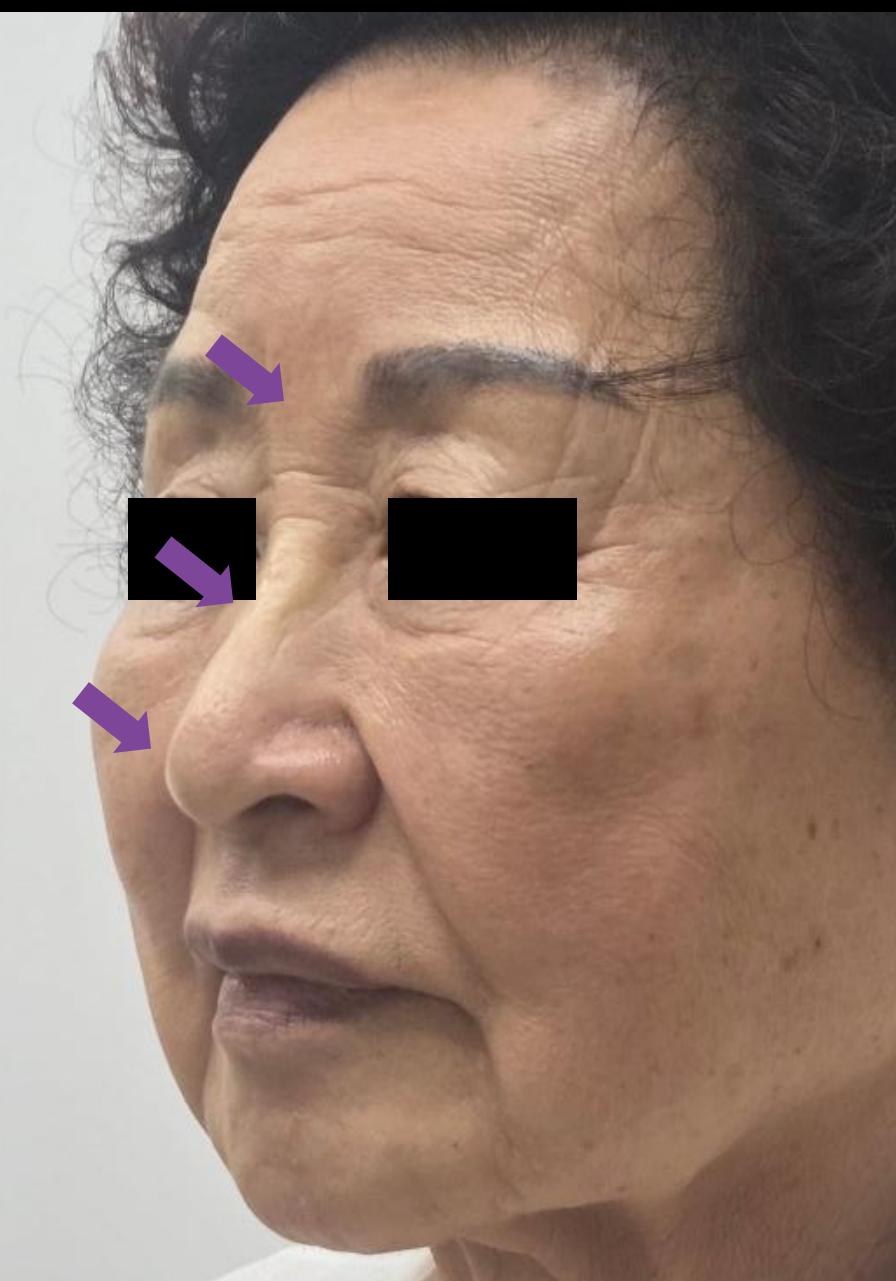


The front of



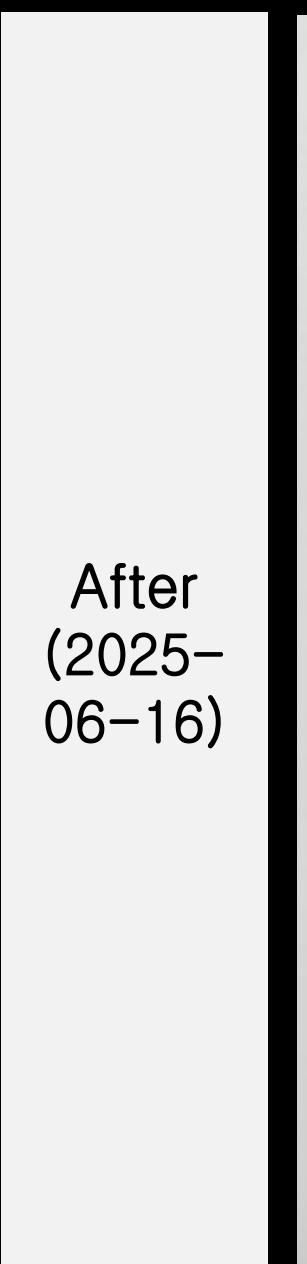


Before
(2025-
06-16)

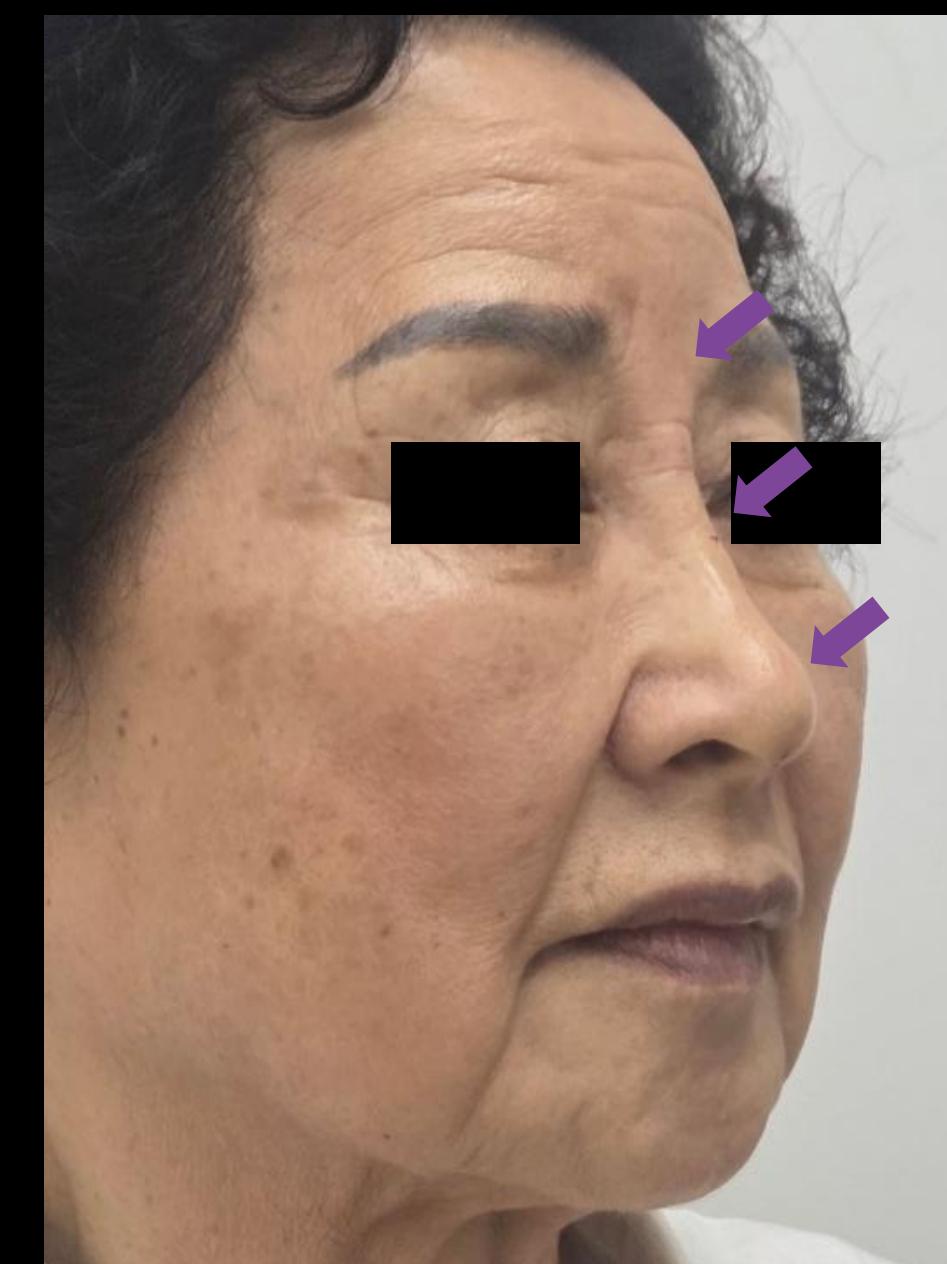
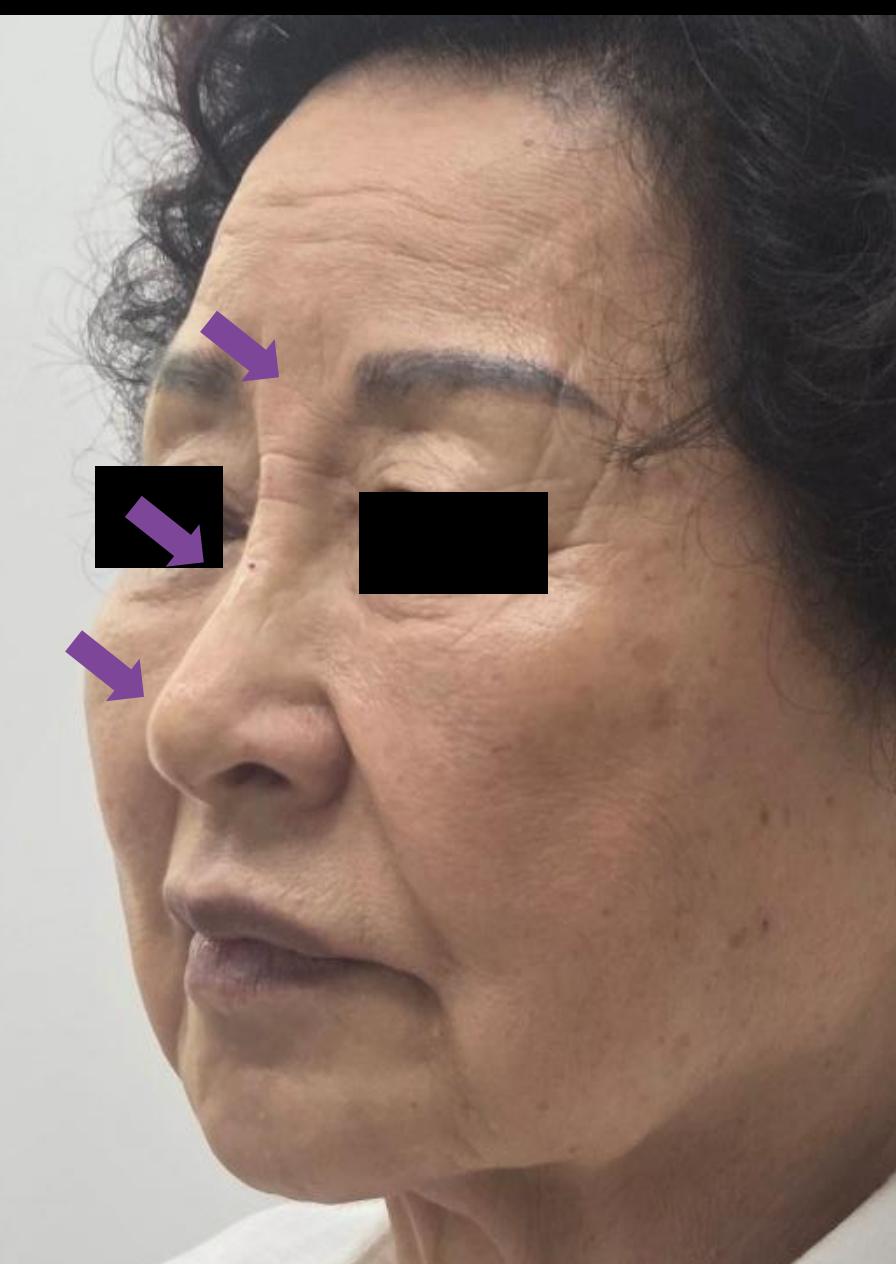


Application site

High ↗
- Nose
- Nose Tip



After
(2025-
06-16)



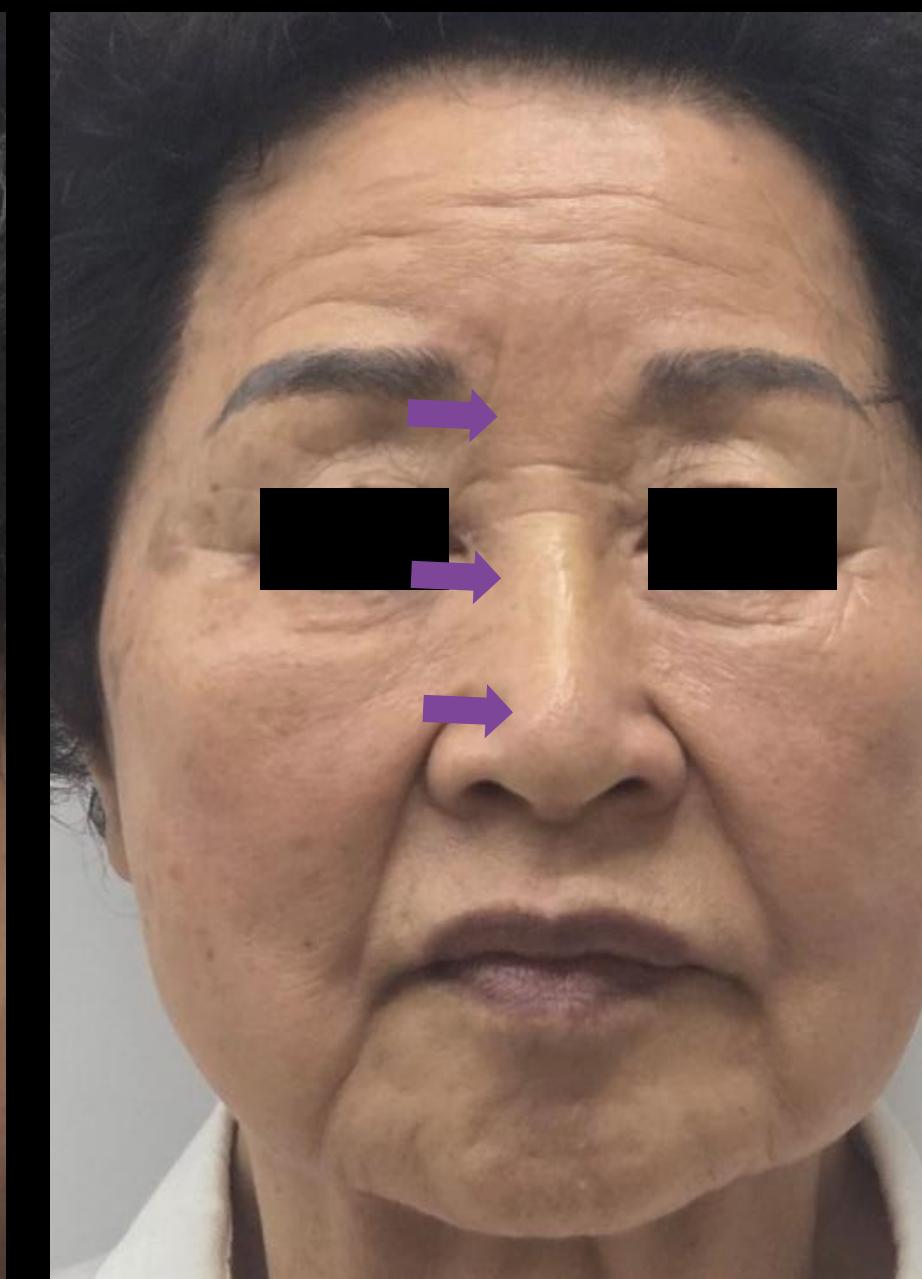
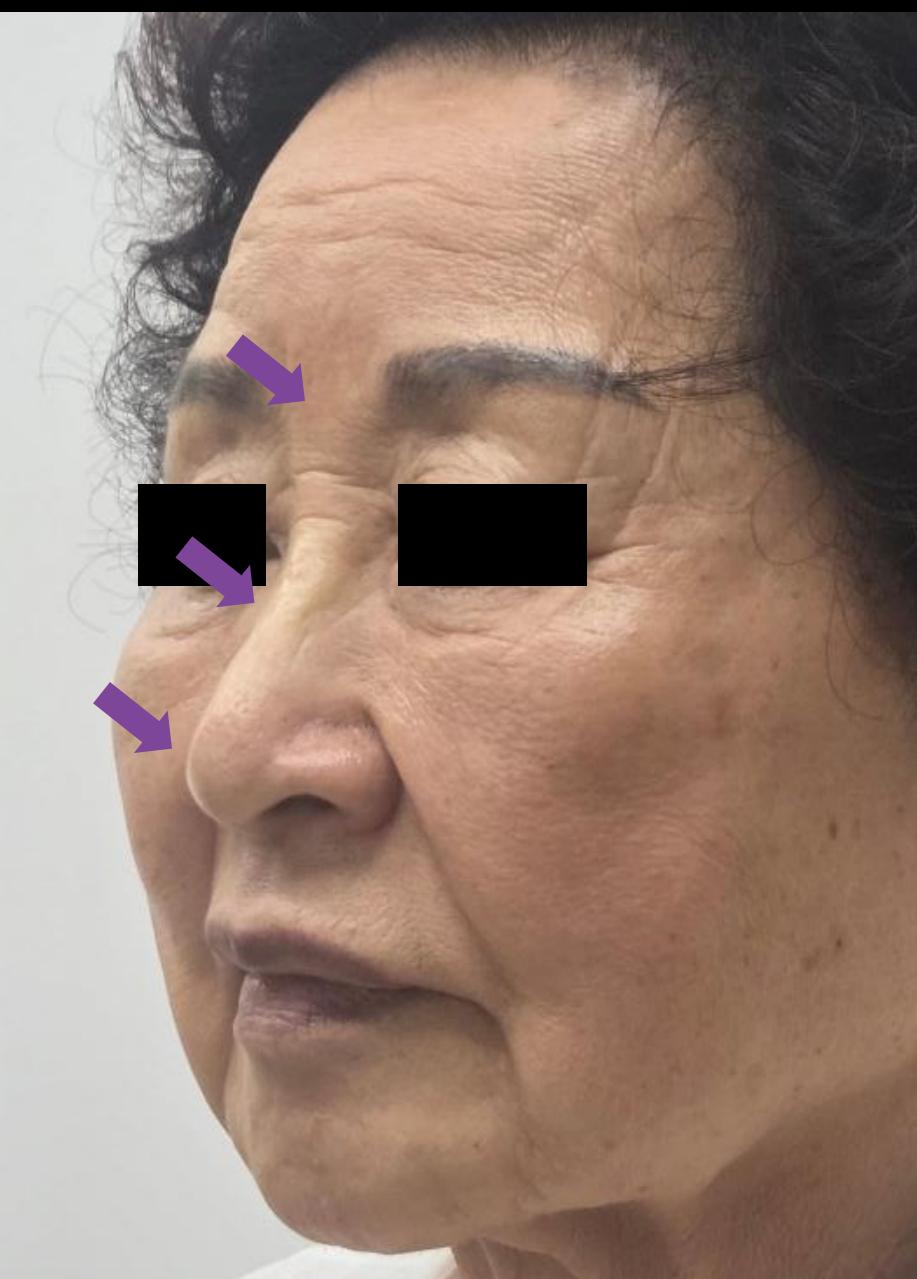
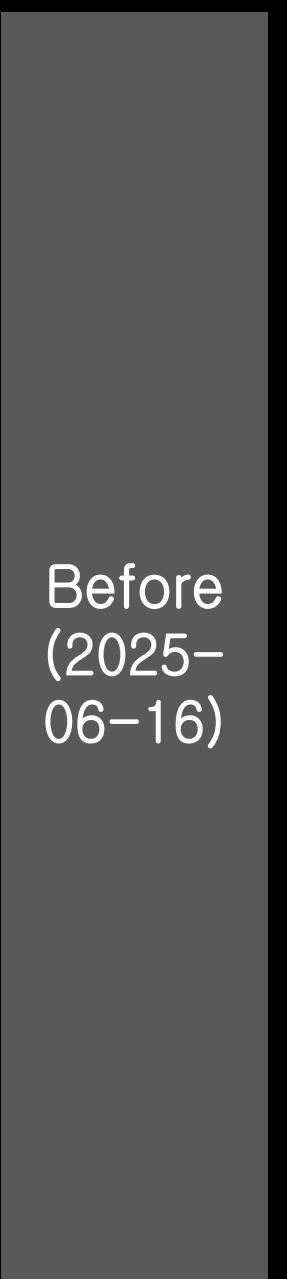
Hyaluronic Acid Dermal Filler

MONALISA

Long-term Volume Up

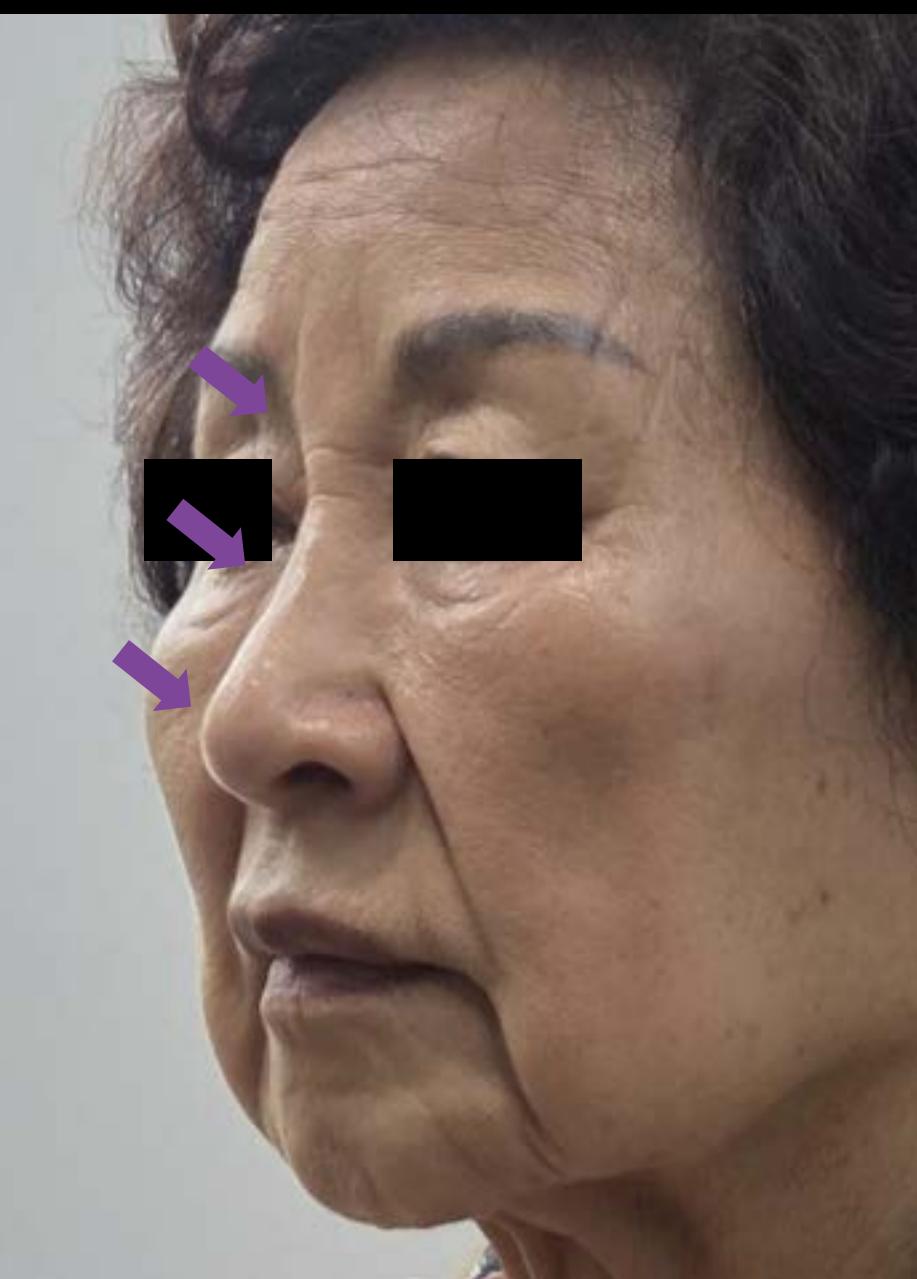


138p filler VOD 8



Application site

High ↗
- Nose
- Nose Tip



Clinical case : Nose, Nose tip



The left side

Before (2025-06-16)



After (2025-06-16)



1M After (2025-07-17)



The front of

Before (2025-06-16)



After (2025-06-16)



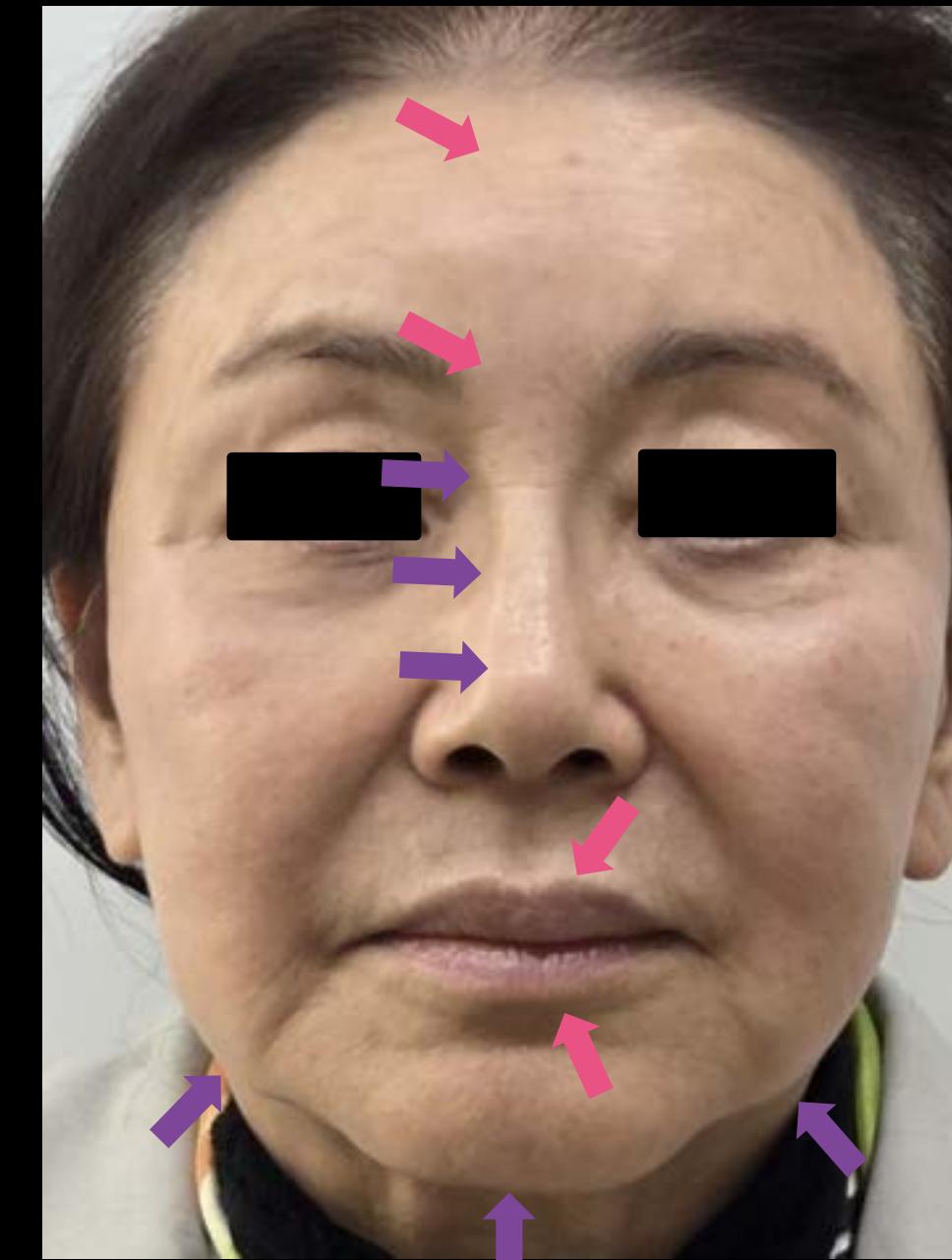
1M After (2025-07-17)



The right side



Before
(2025-05-09)



Application site

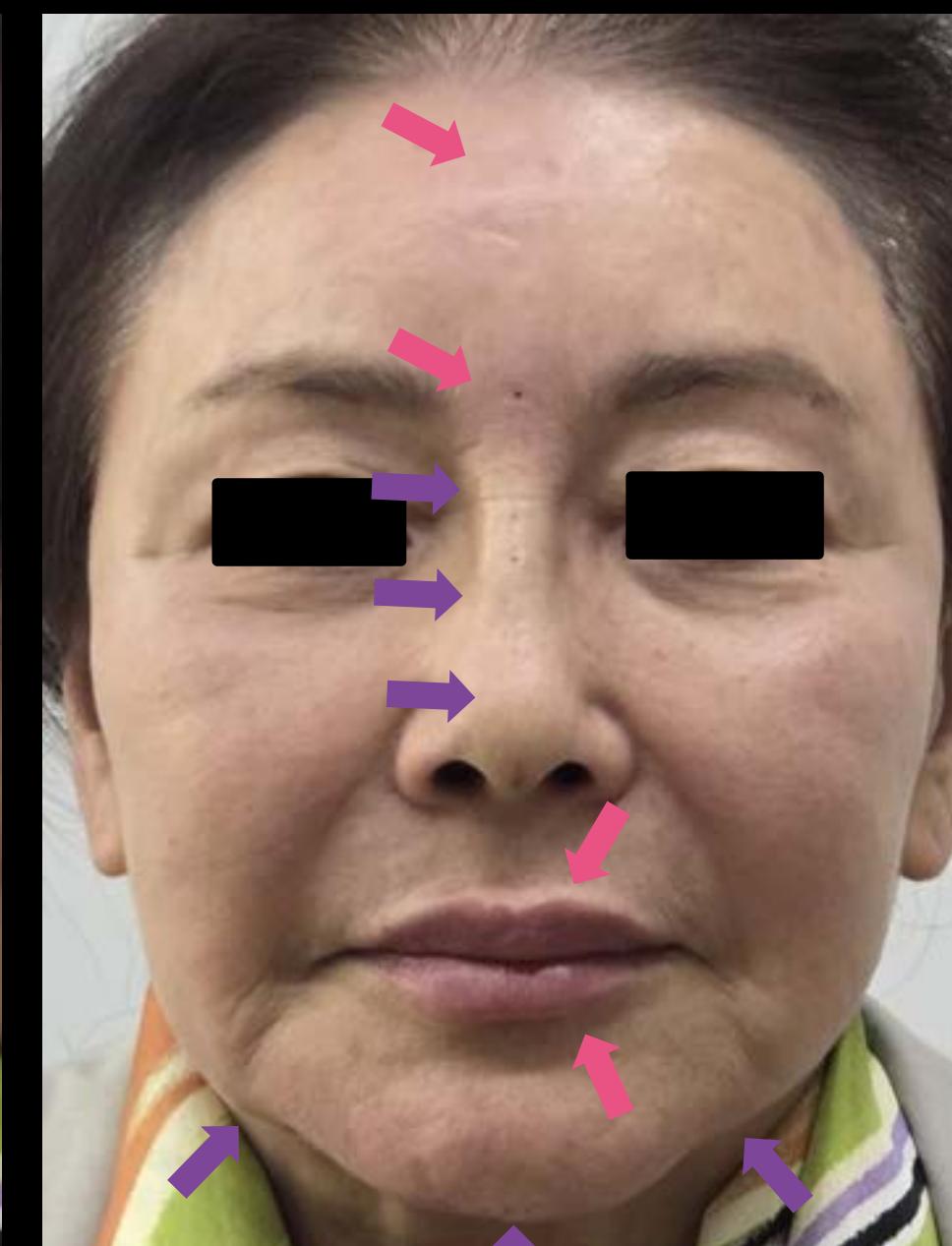
Volume ↗

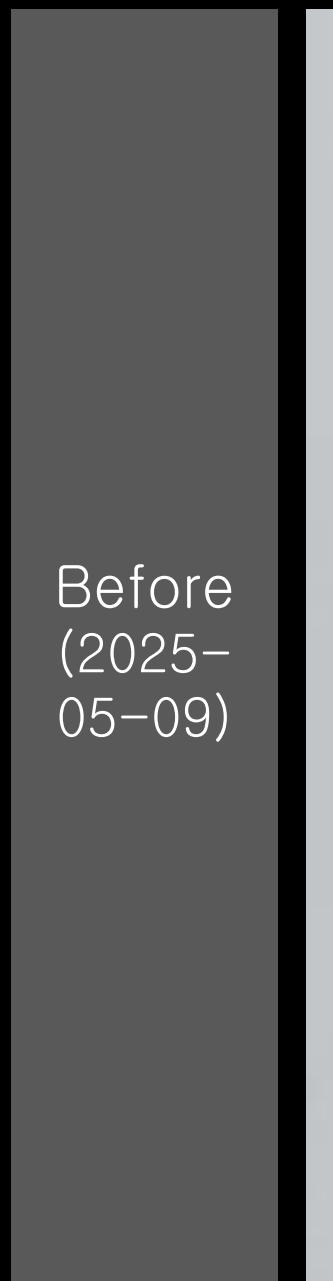
- Nose
- Nose Tip
- Jaw contours
- Chin

Rose ↘

- Forehead
- Frown lines
- Lip

After
(2025-05-09)





Application site

Volume ↗

- Nose
- Nose Tip
- Jaw contours
- Chin

Rose ↗

- Forehead
- Frown lines
- Lip



Before
(2025-05-09)



Application site

Volume ↗

- Nose
- Nose Tip
- Jaw contours
- Chin

Rose ↘

- Forehead
- Frown lines
- Lip

2M
After
(2025-07-25)



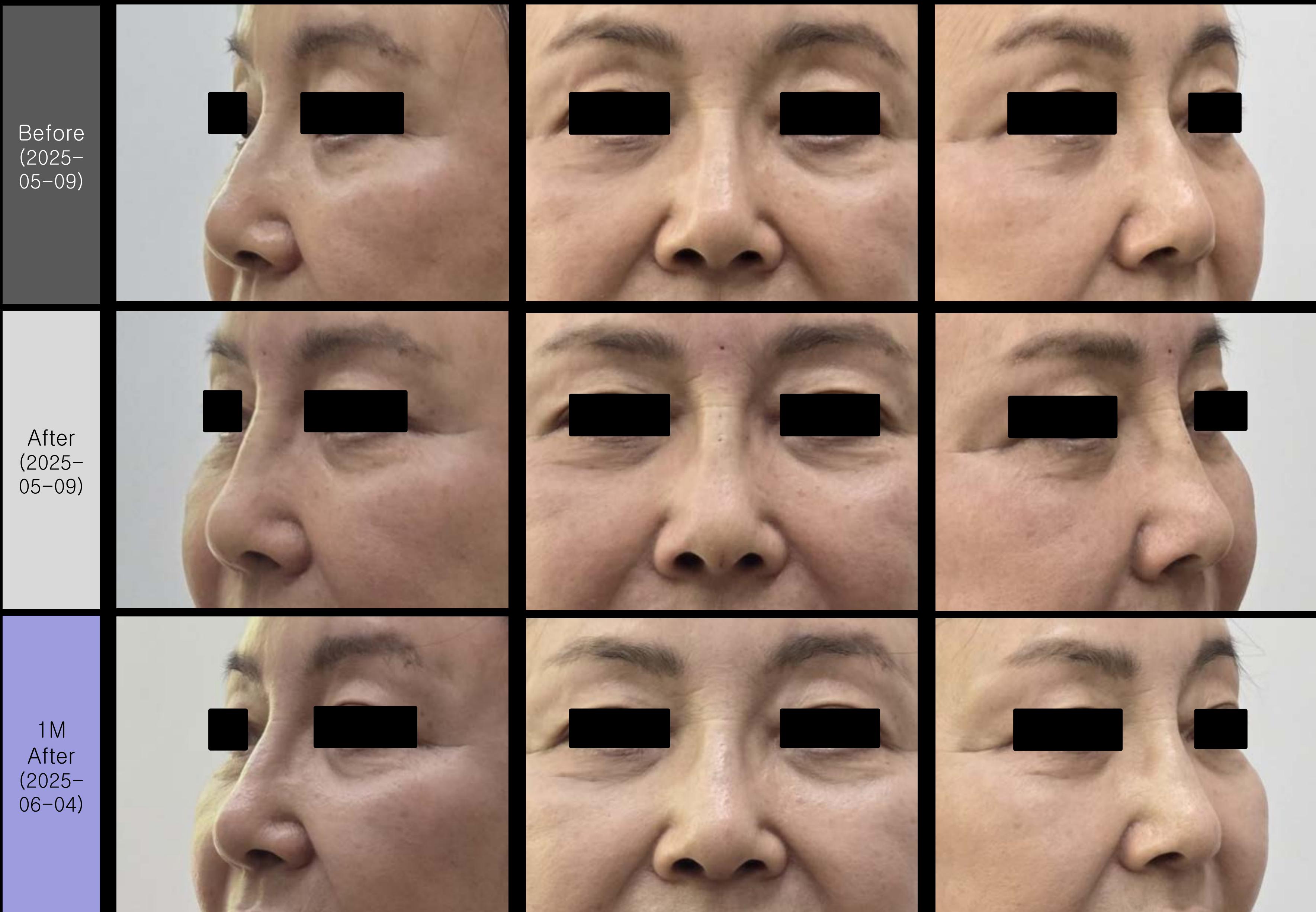
Clinical Case : Forehead, Frown lines



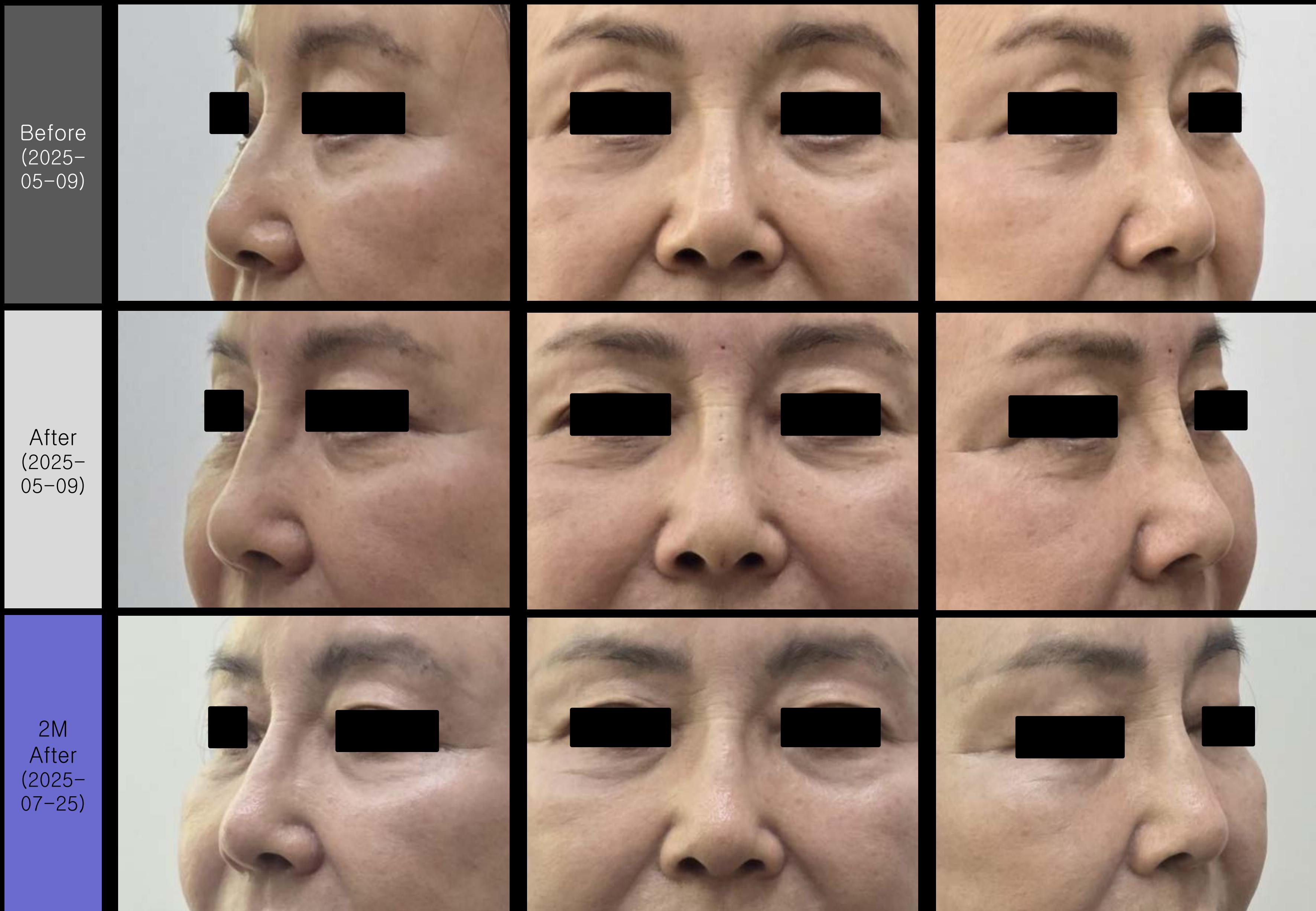
Clinical Case : Forehead, Frown lines



Clinical case : Nose, Nose tip



Clinical case : Nose, Nose tip



Clinical Case : Lip, Jaw contours, Chin



Clinical Case : Lip, Jaw contours, Chin



The left side

Before (2025-05-09)



After (2025-05-09)



1M after (2025-06-04)

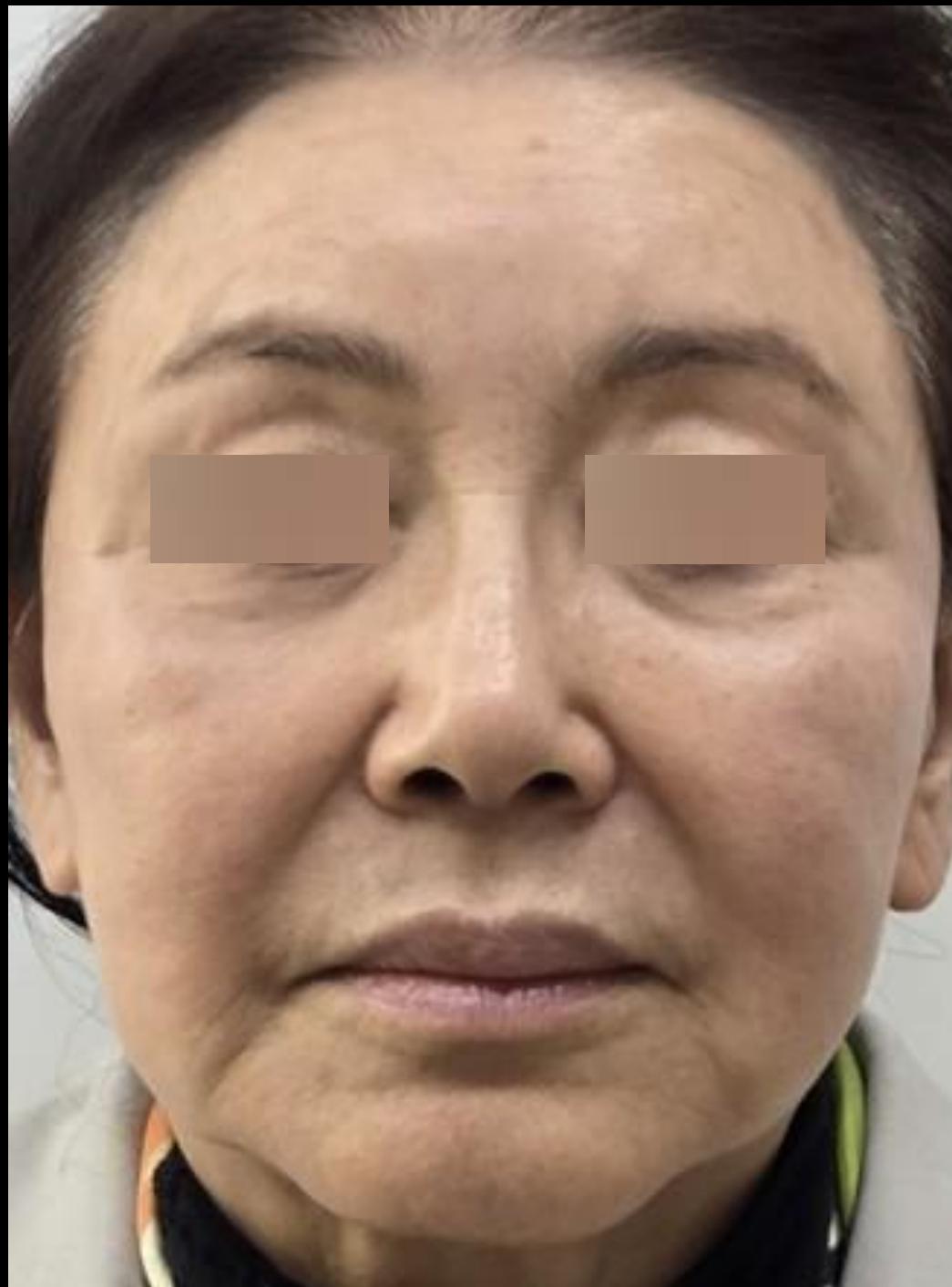


1M after (2025-07-25)



The front of

Before (2025-05-09)



After (2025-05-09)



1M after (2025-06-04)



1M after (2025-07-25)



The right side

Before (2025-05-09)



After (2025-05-09)

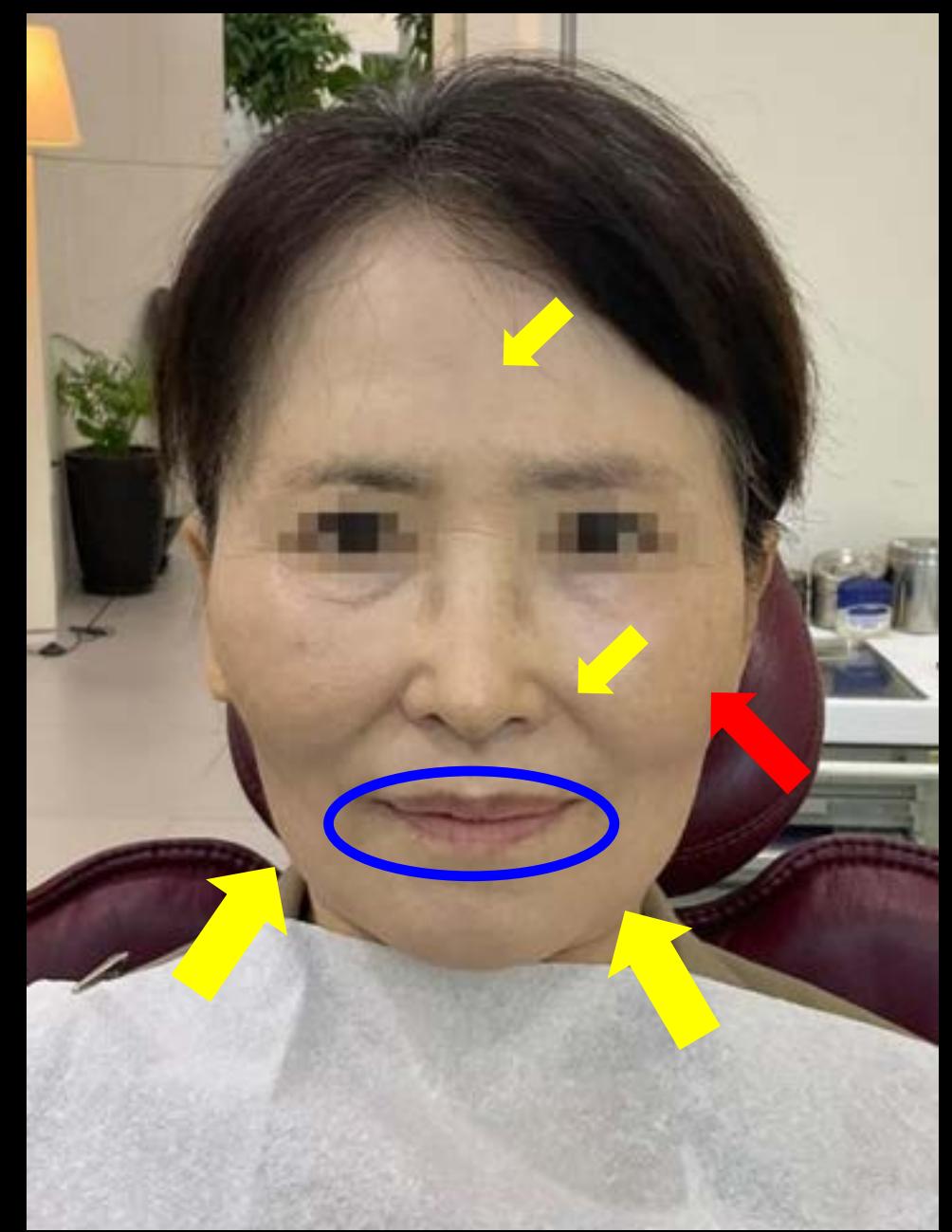


1M after (2025-06-04)



1M after (2025-07-25)





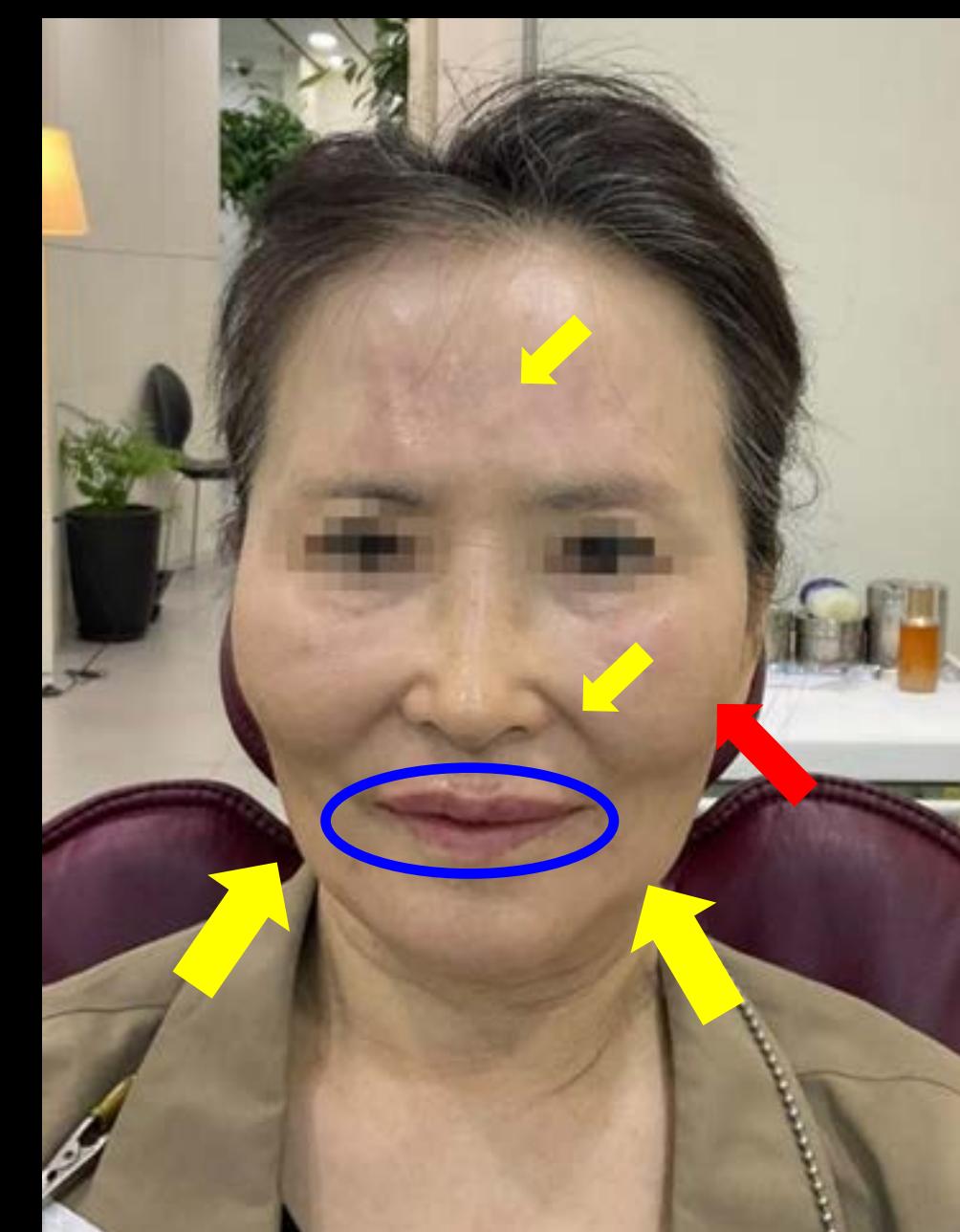
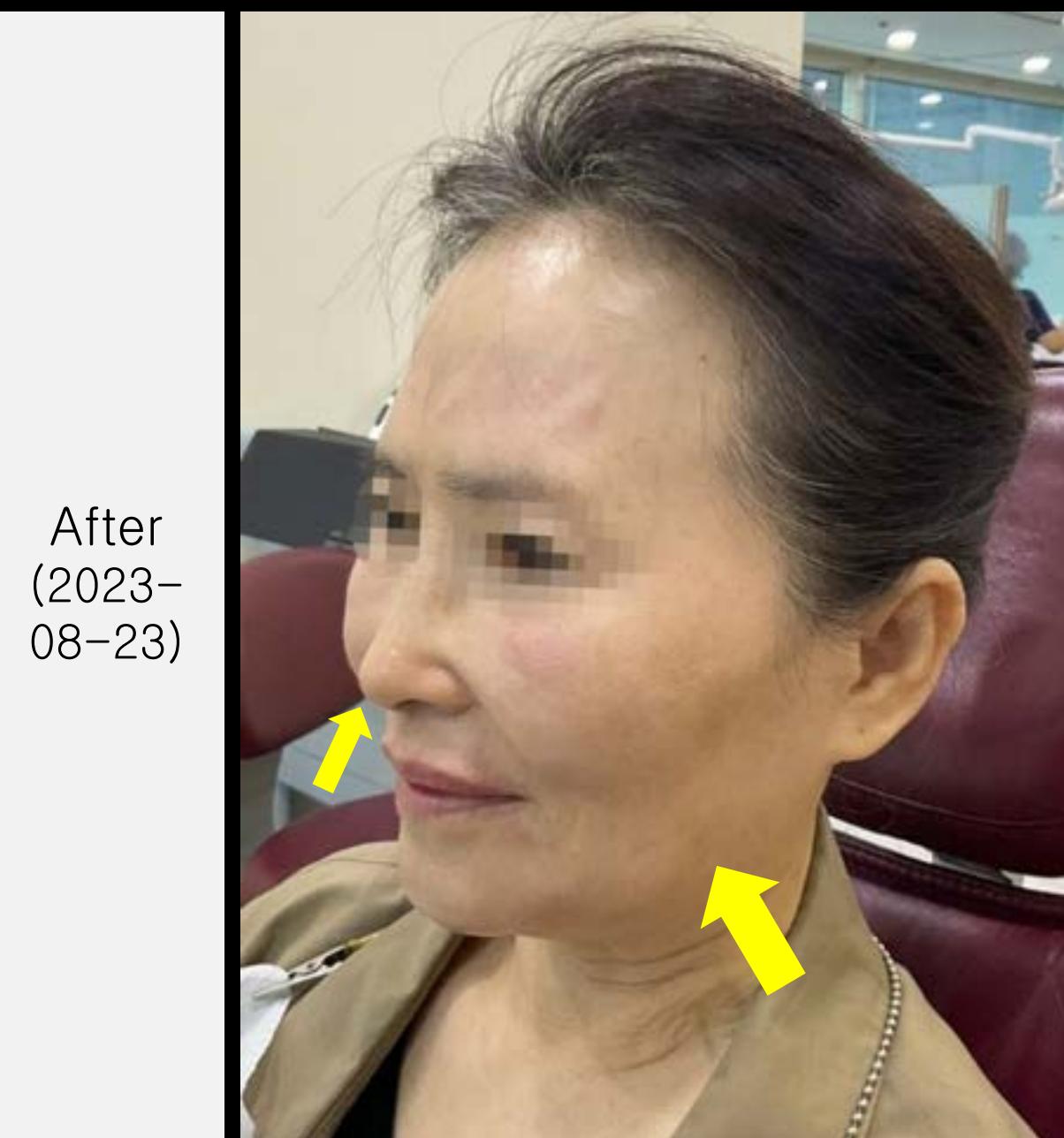
application site

High ↗

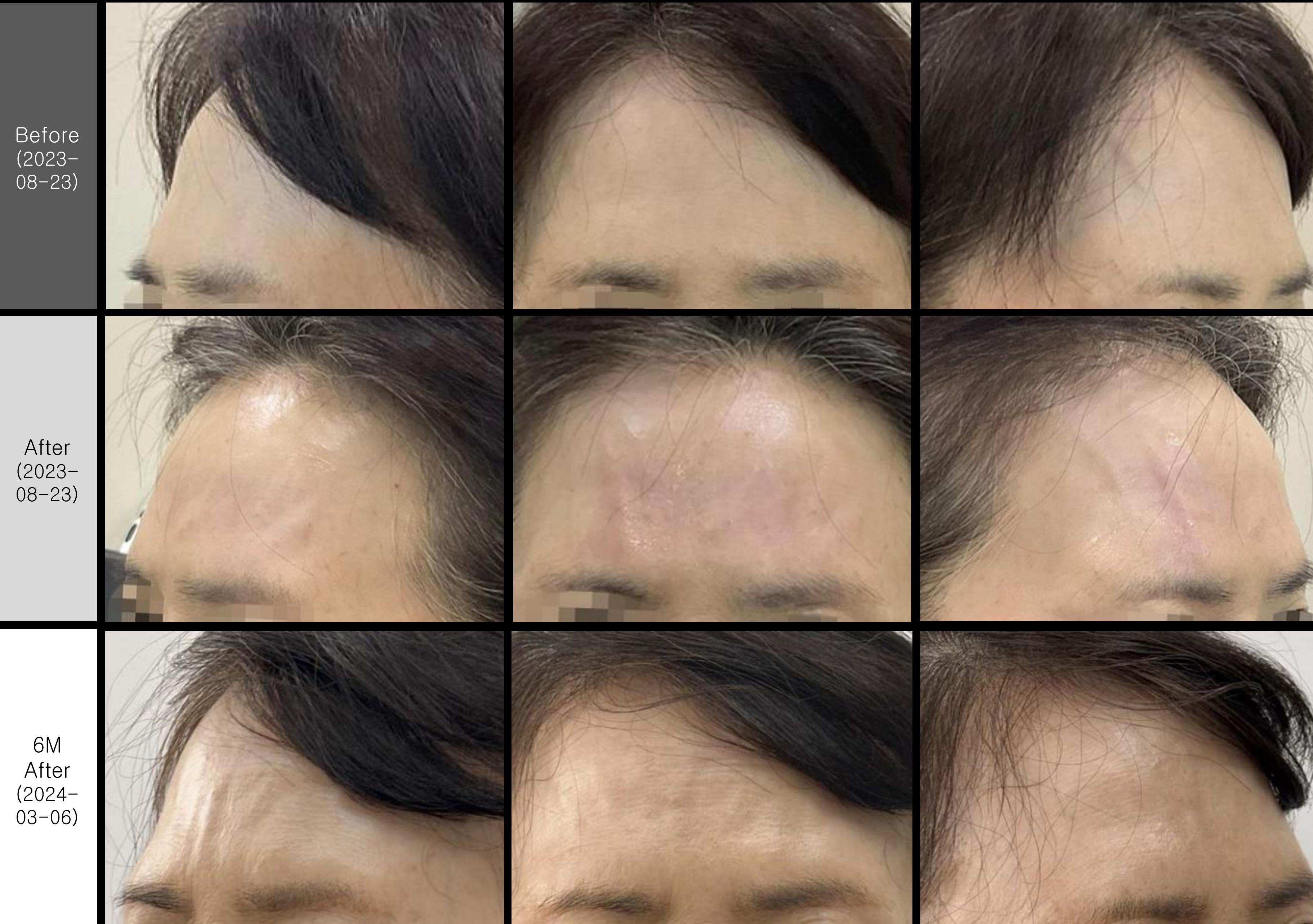
- Forehead lines
- Frown lines
- Nose
- Nasolabial folds
- Jaw contours

Rose ↘

- Nasolabial folds
- Marionette lines
- Cheek
- lip ↗



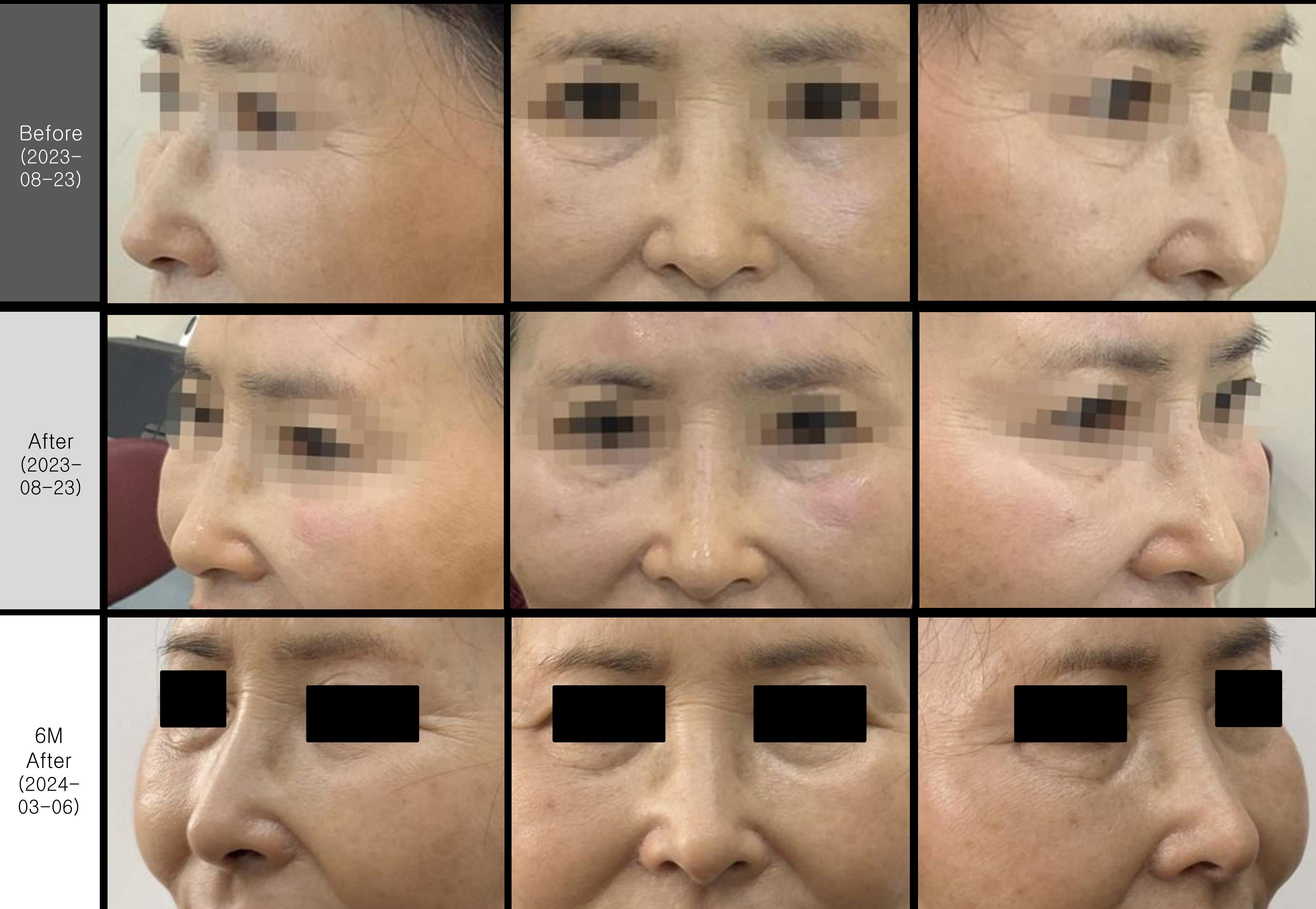
Clinical case : Forehead



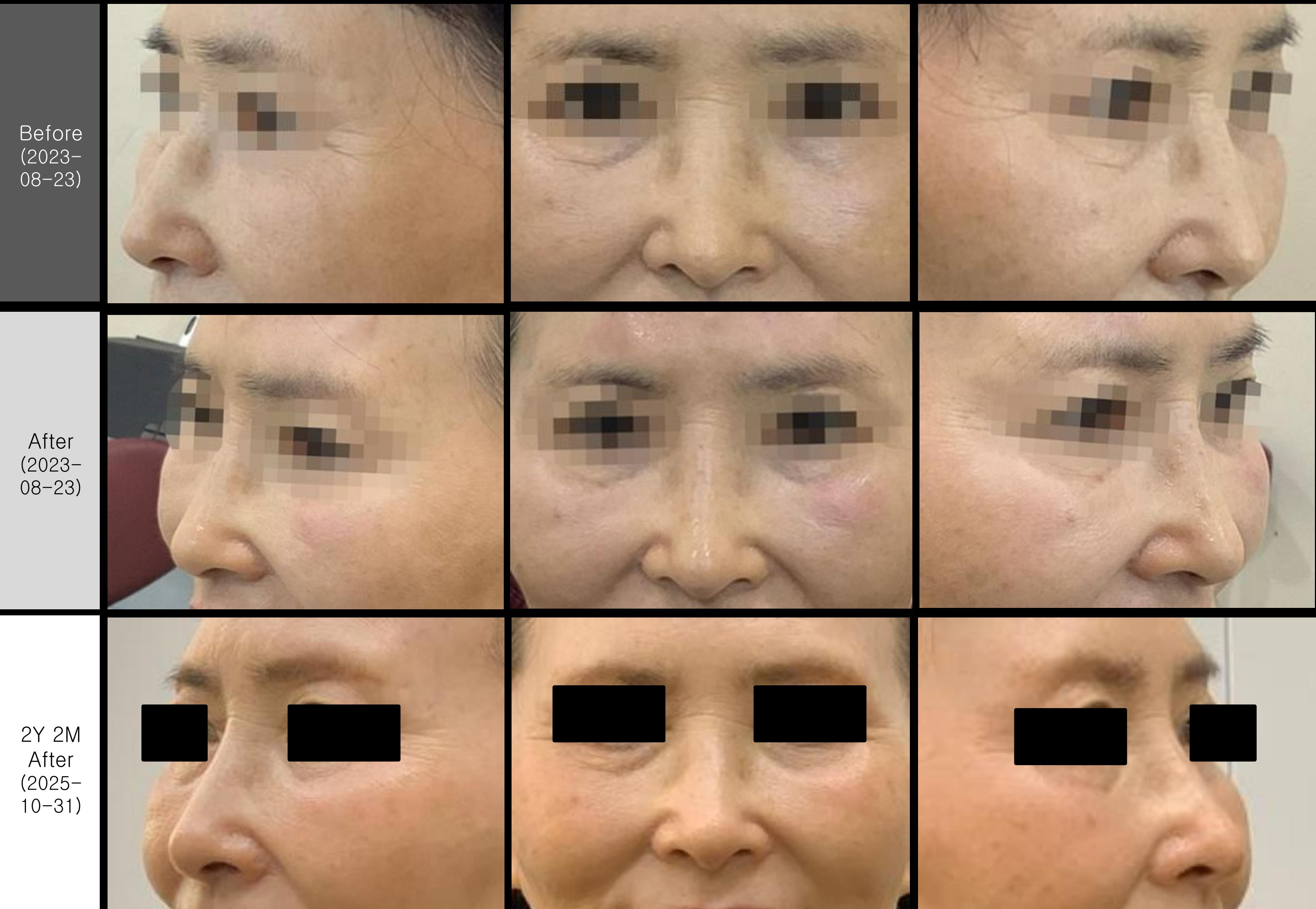
Clinical case : Forehead



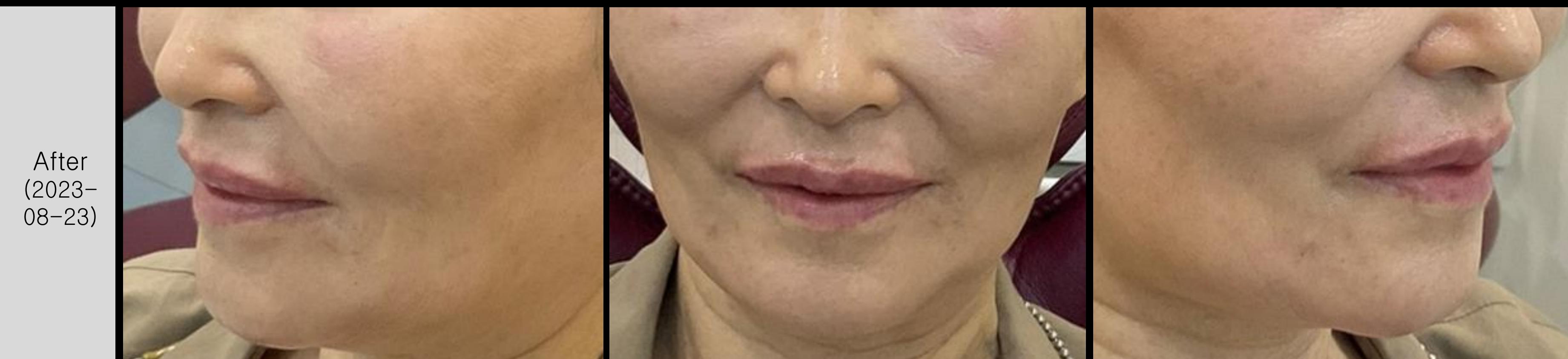
Clinical case : Nose



Clinical case : Nose



Clinical case : Nasolabial folds & Chin



Clinical case : Nasolabial folds & Chin



The left side

Before (2023-08-23)



After (2023-08-23)



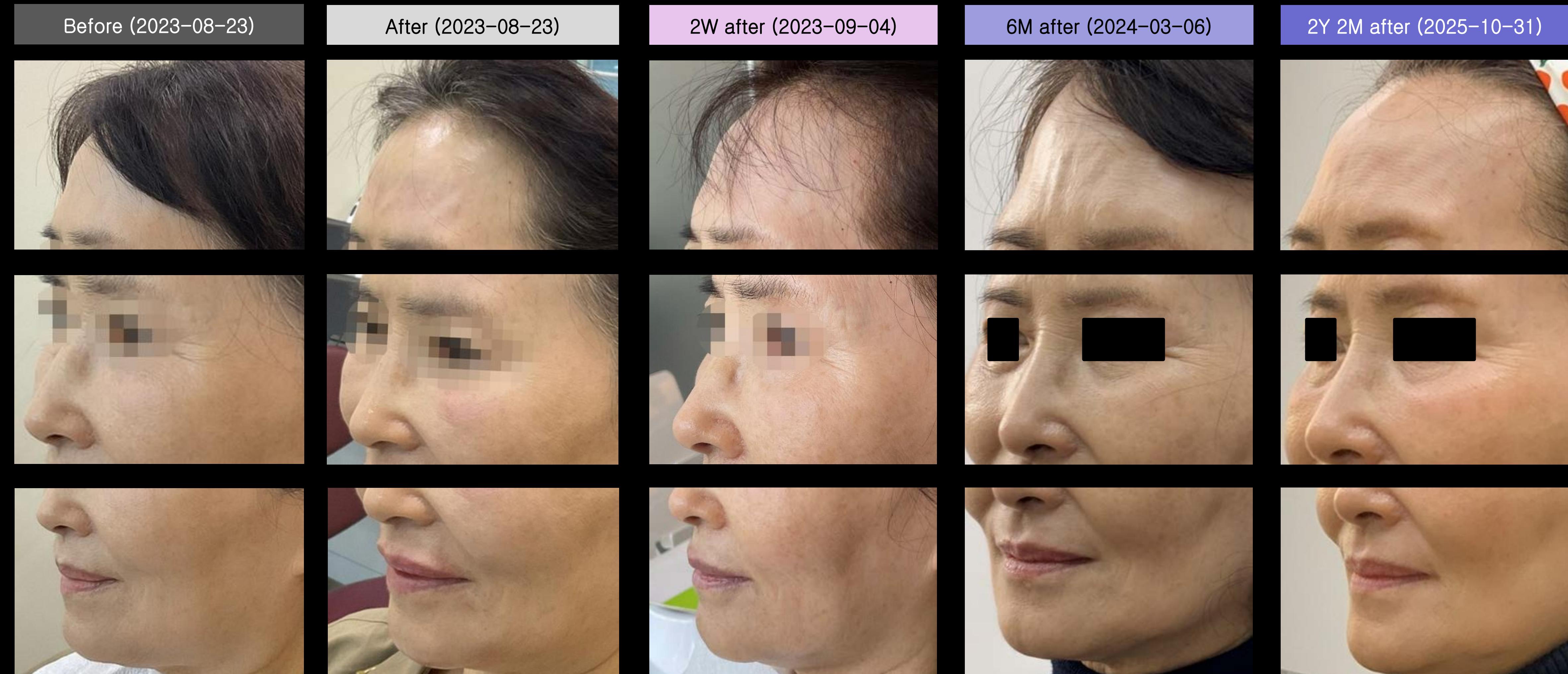
2W after (2023-09-04)



6M after (2024-03-06)



The left side



The front of

Before (2023-08-23)



After (2023-08-23)



2W after (2023-09-04)



6M after (2024-03-06)



The front of

Before (2023-08-23)



After (2023-08-23)



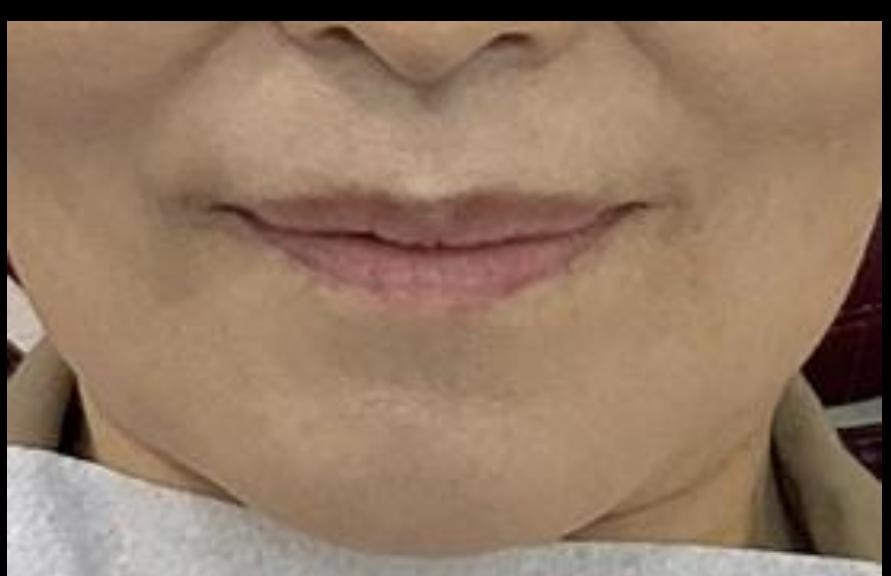
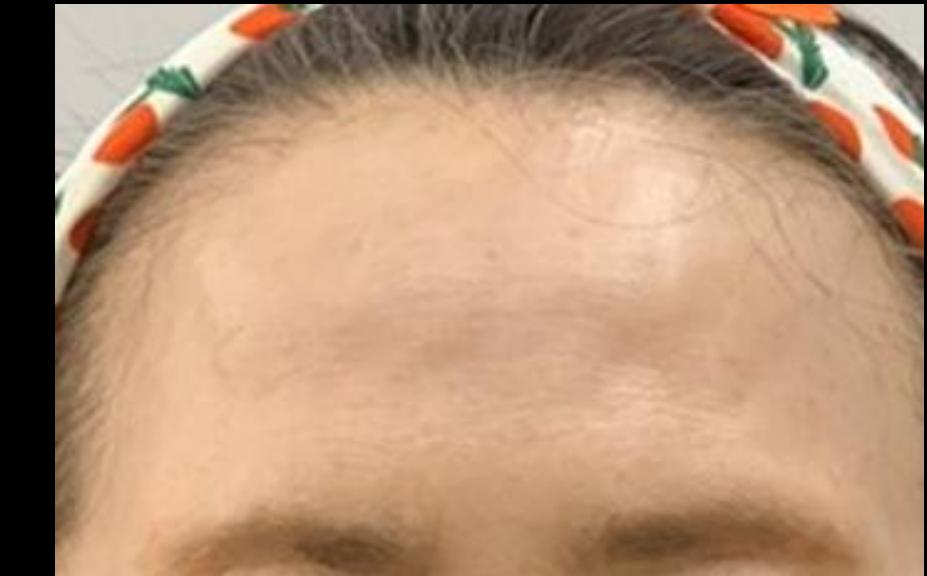
2W after (2023-09-04)



6M after (2024-03-06)



2Y 2M after (2025-10-31)



The right side

Before (2023-08-23)



After (2023-08-23)



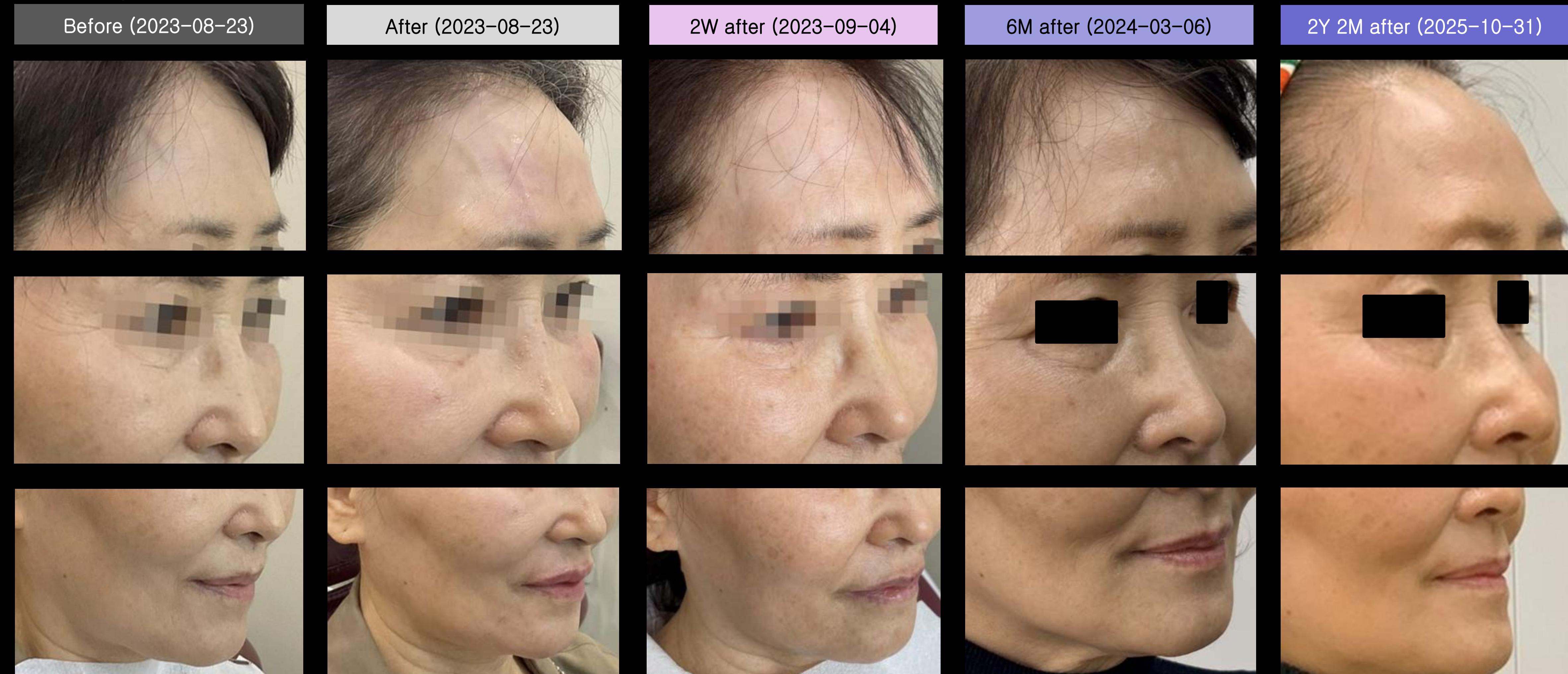
2W after (2023-09-04)



6M after (2024-03-06)



The right side



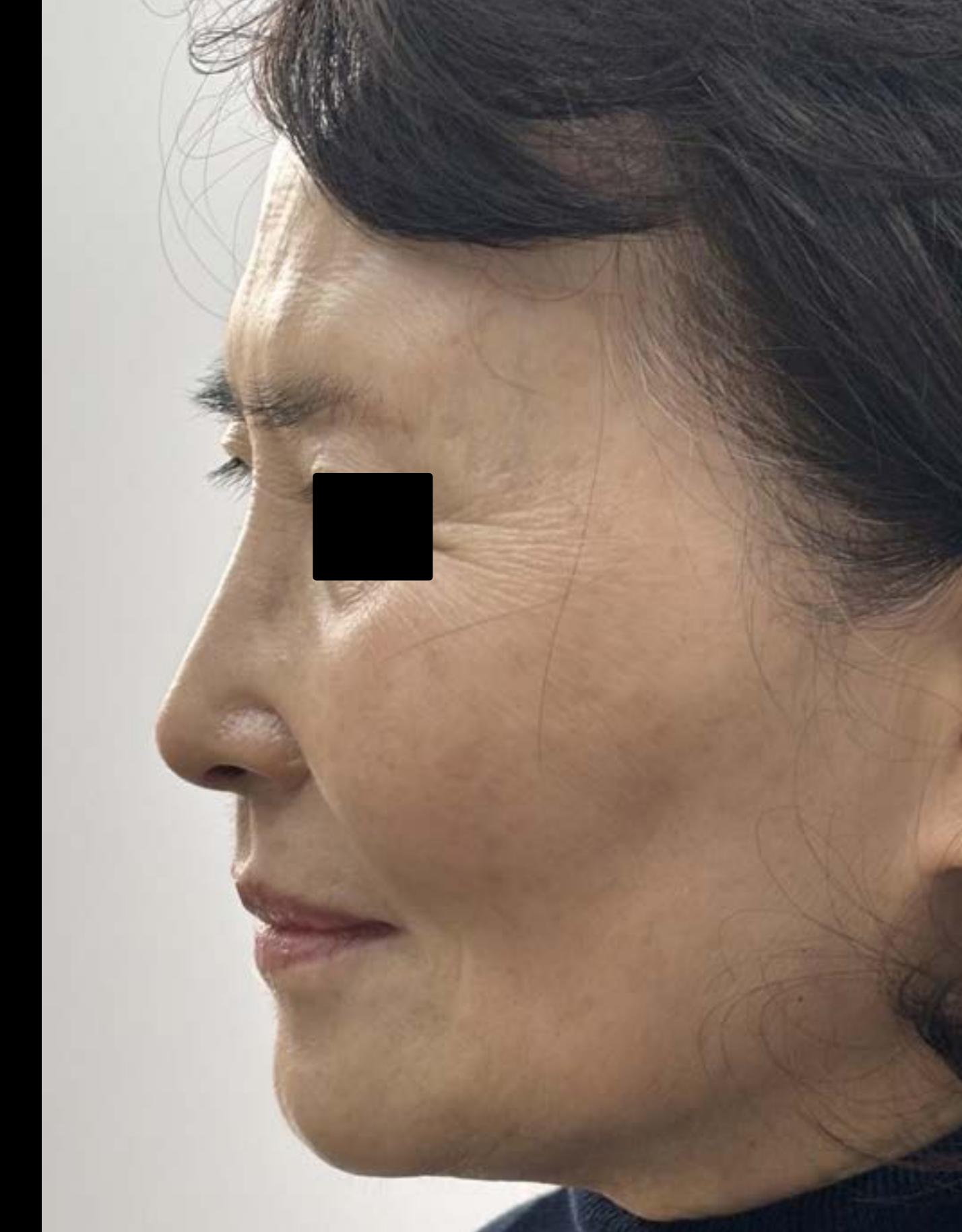
Left Face



Before



After



6 Months after

Left Face



Before



After



2 Years 2 Months after

Right Face



Before



After



6 Months after

Right Face



Before

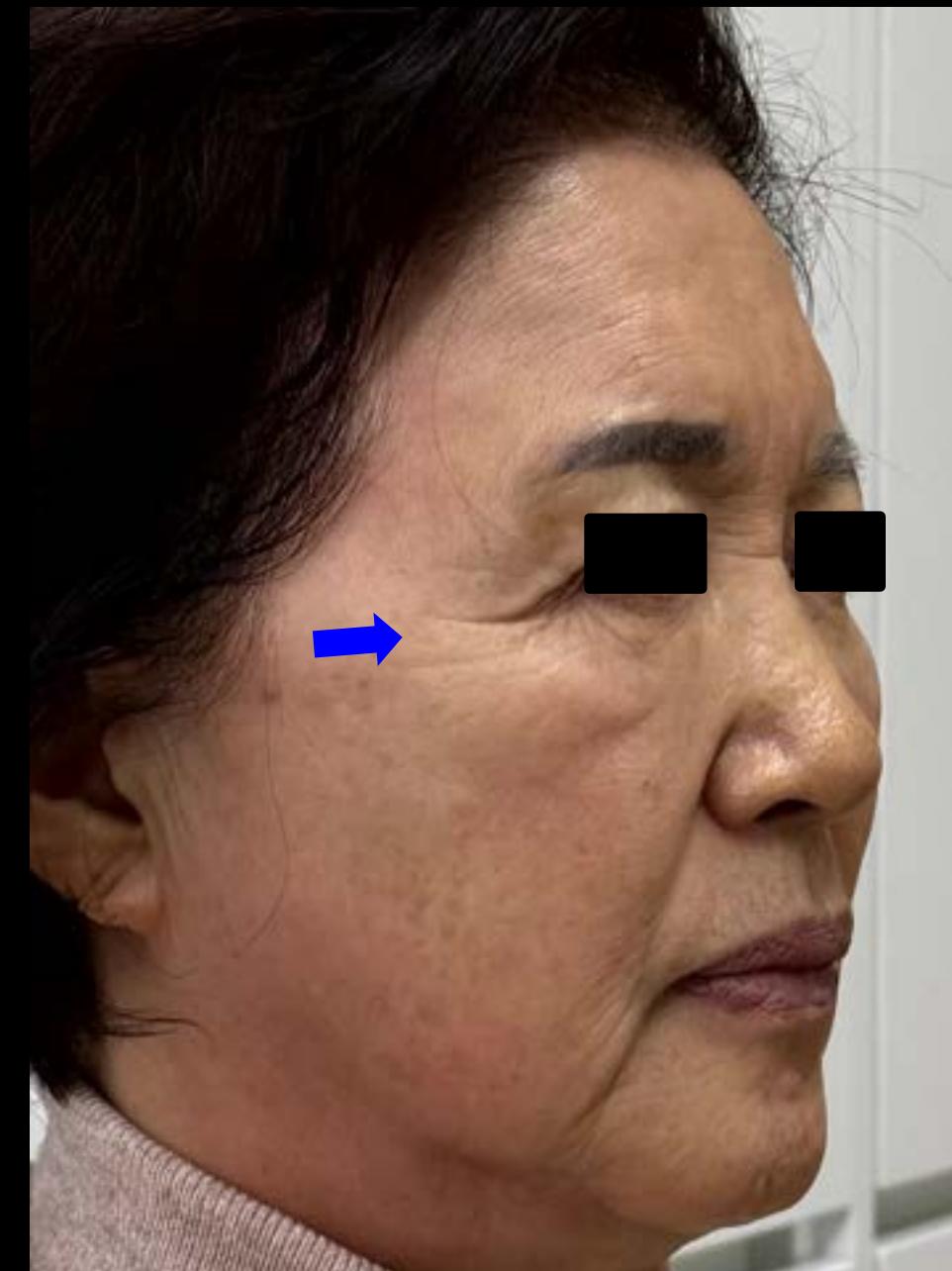
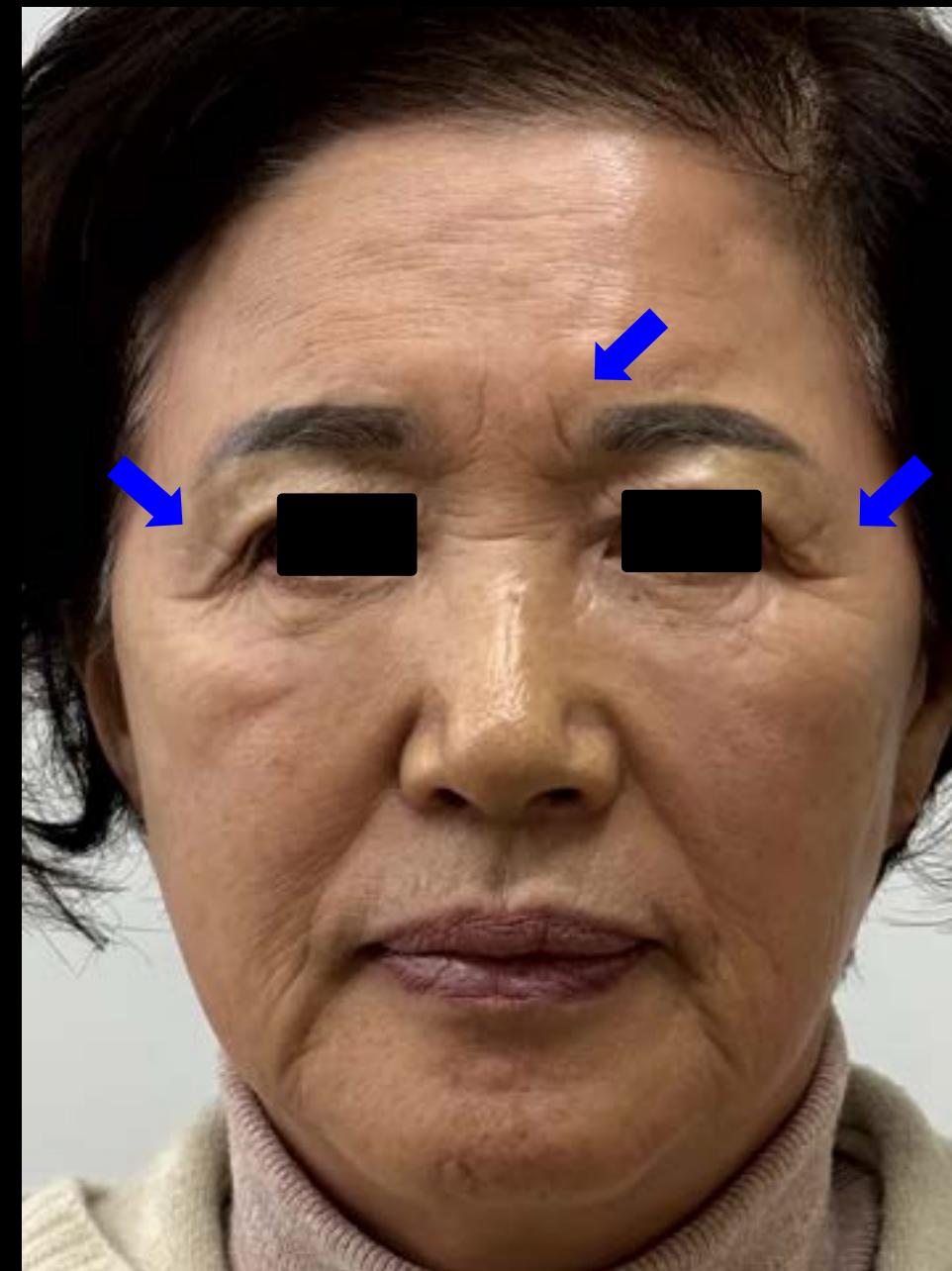
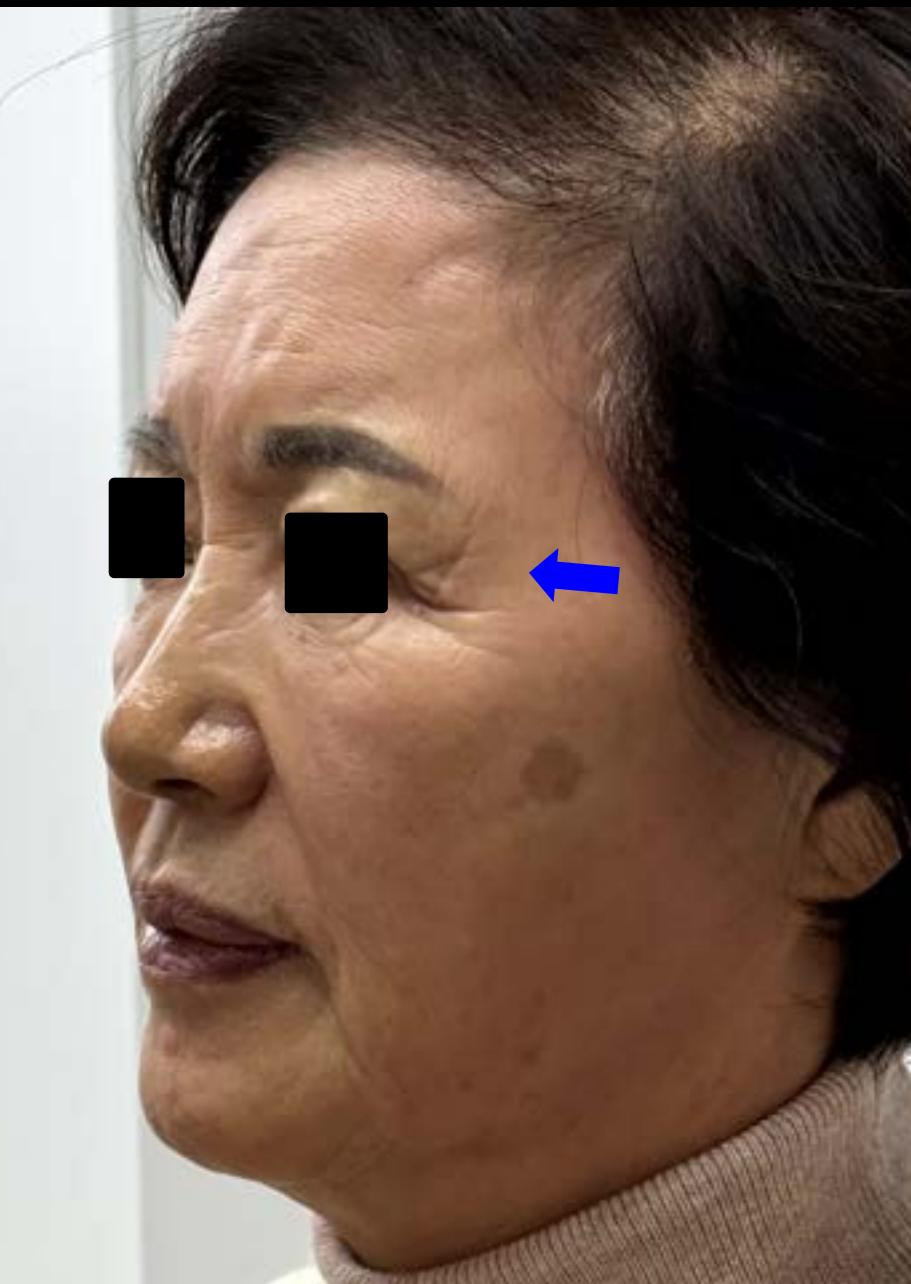


After



2 Years 2 Months after

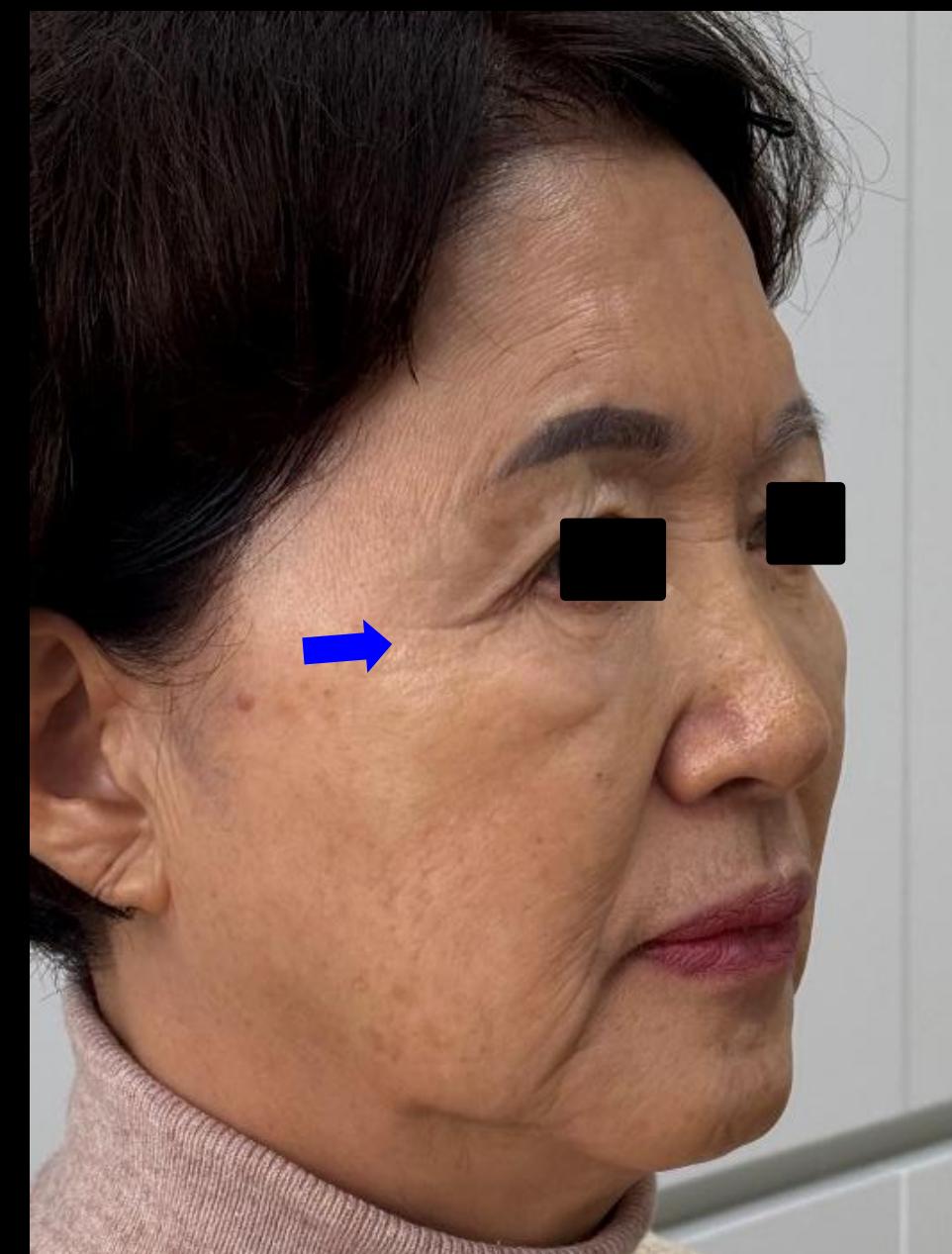
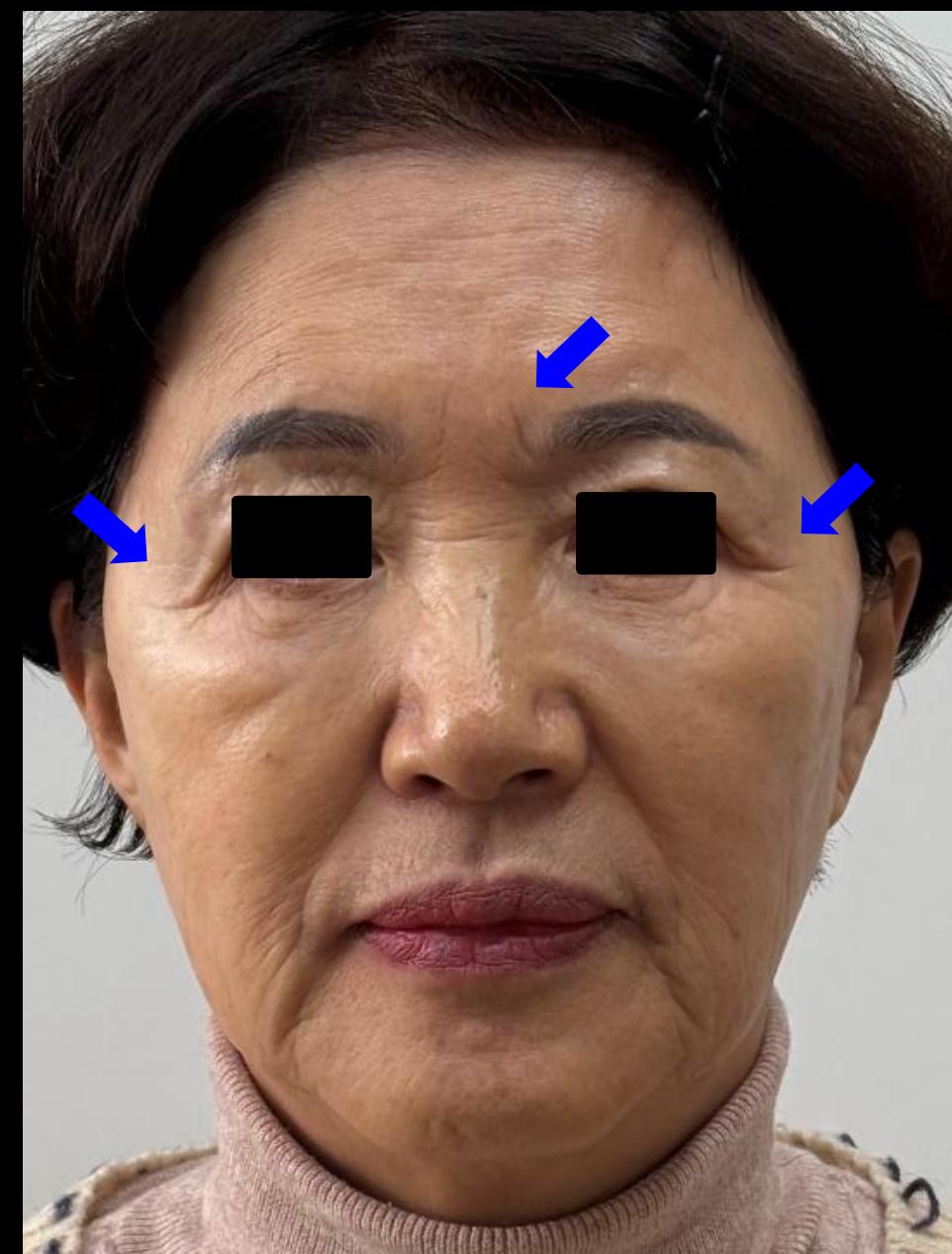
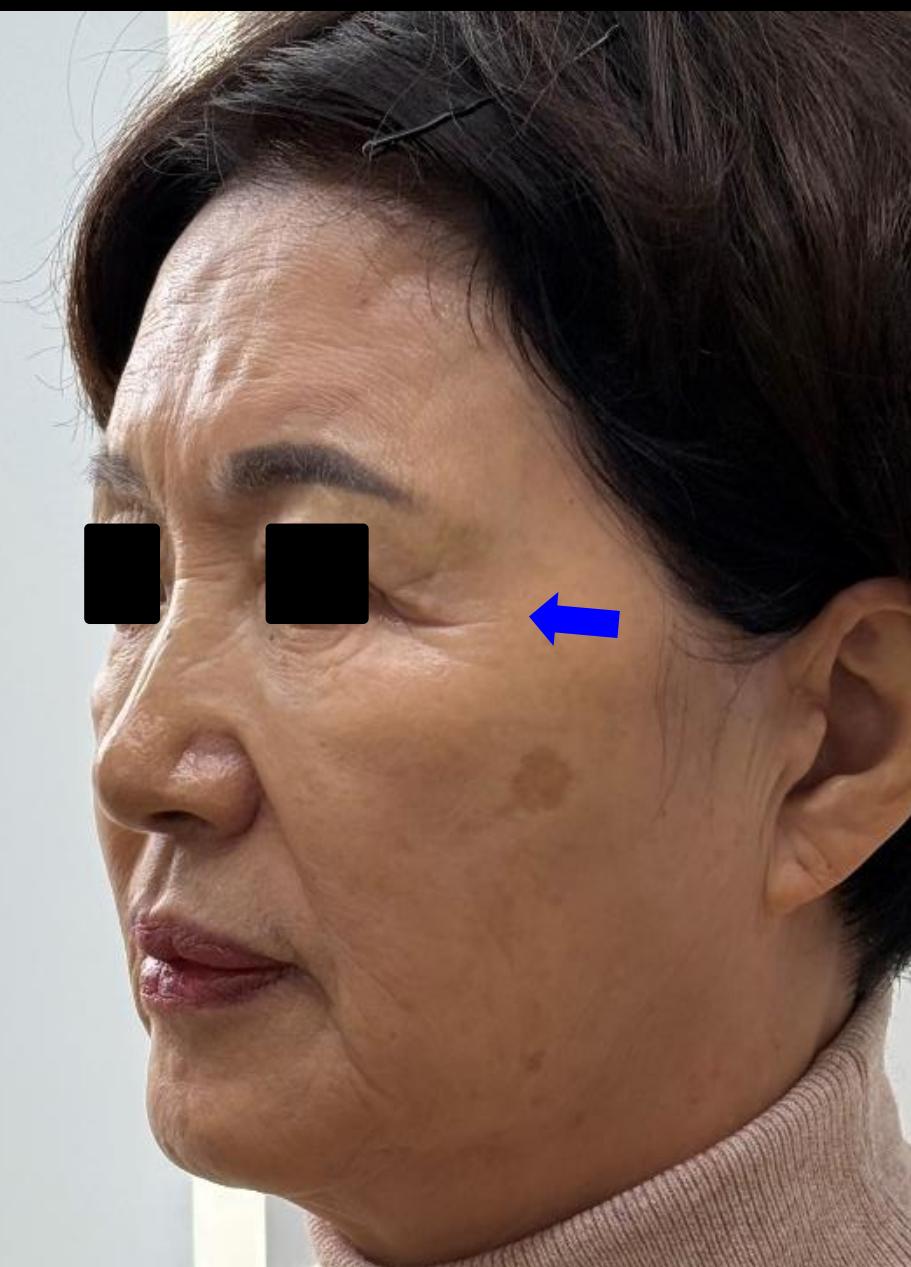
Before
(2025-01-07)

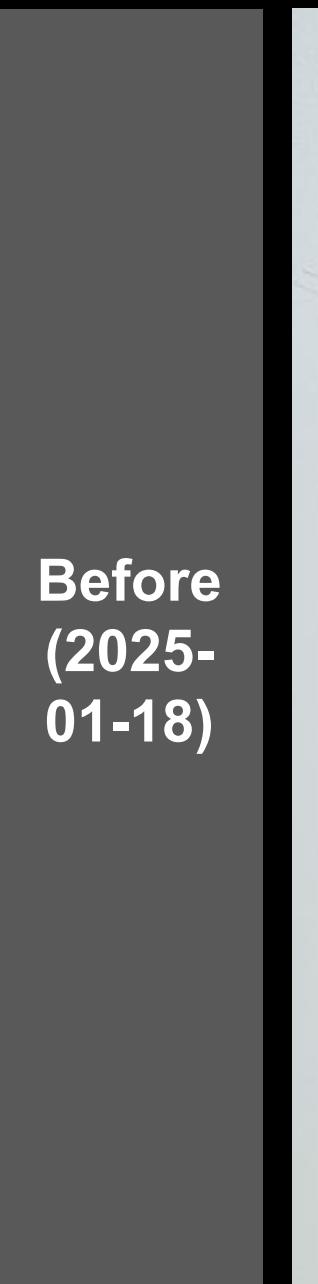


Application site

Botulinum toxin ✓
- Frown Lines
- Crows Feet

1w
after
(2025-01-18)





Before
(2025-01-18)



Application site

Volume

- Nasolabial Folds
- Mental crease
- Chin
- Marionette lines
- Nose



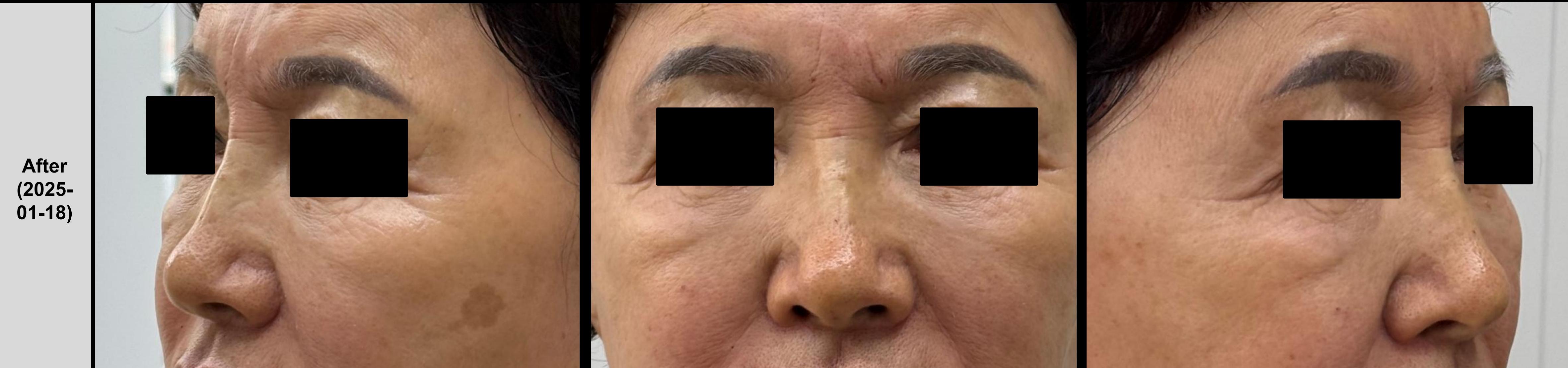
After
(2025-01-18)



Smile

- Frown Lines
- Lips
- Nasolabial folds
- Corner of the mouth

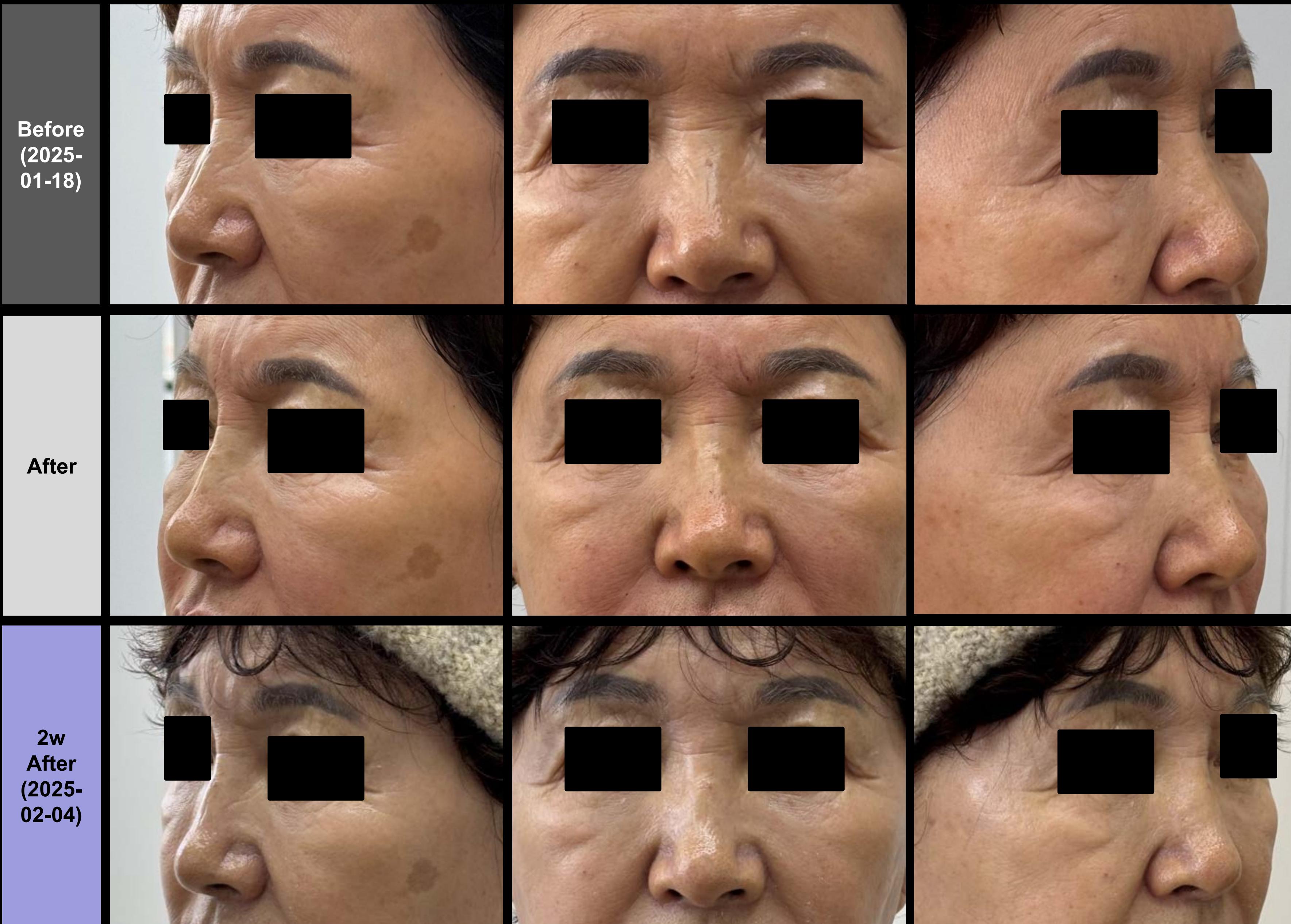
Clinical case : Nose



Clinical case : Nasolabial Folds, Marionette lines, Chin



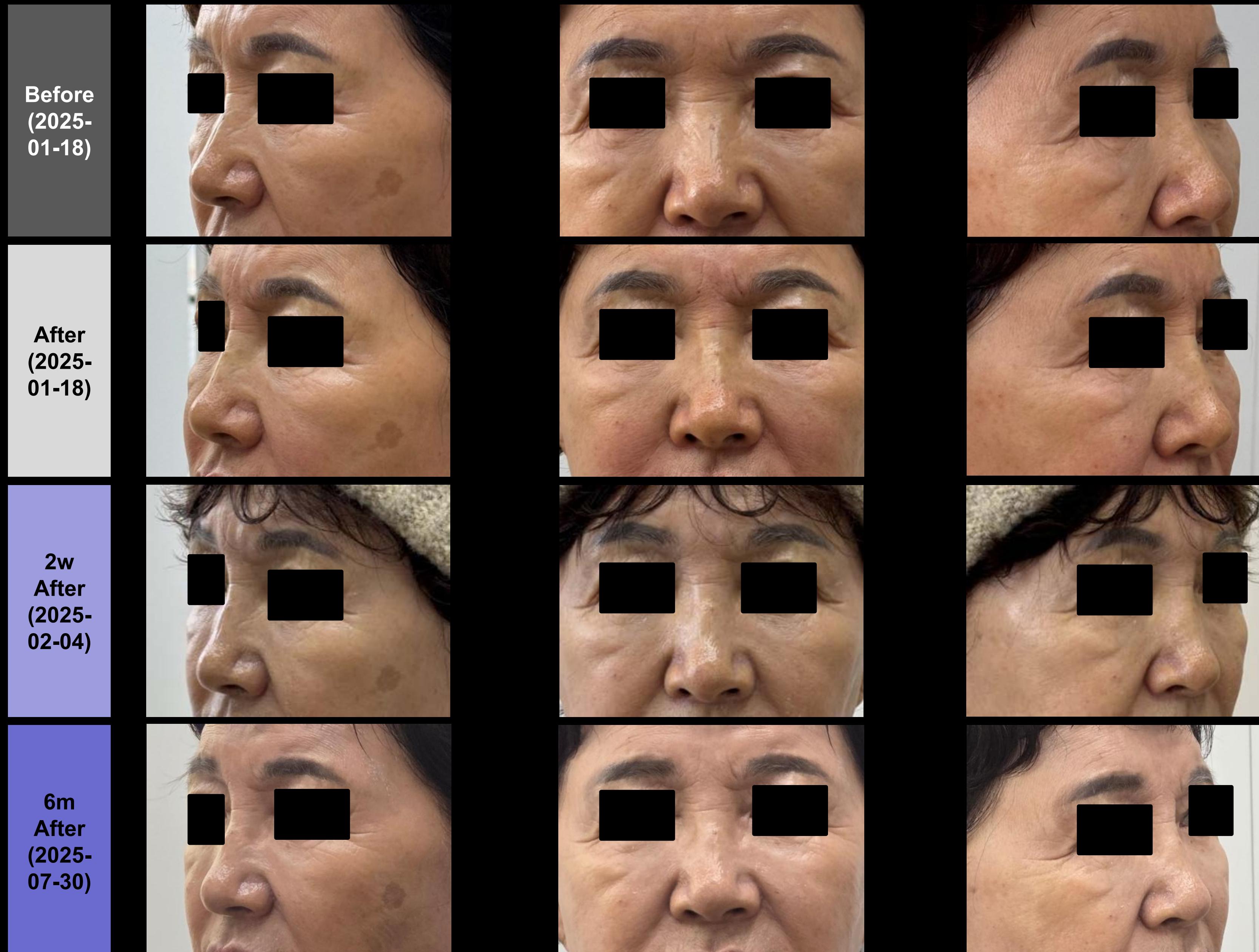
Clinical case : Nose



Clinical case : Nasolabial Folds, Marionette lines, Chin



Clinical case : Nose



Clinical case : Nasolabial Folds, Marionette lines, Chin

