Esthetic Solutions

Filler & Toxin

Contents

Dentium

What is “Filler & Toxin”? _ Specification

Dentium

What is HA (Hyaluronic Acid) :
- “Polysaccharides that constitutes ECM (exctracellular matrix)”
- Binding water

What is HA filler (Hyaluronic Acid filler) :
- HA + Crosslinked BDDE (maintenance) + Lidocaine (pain-relieving)
- “Bio-Resorbable filler”
- Dissolved with hyaluronidase

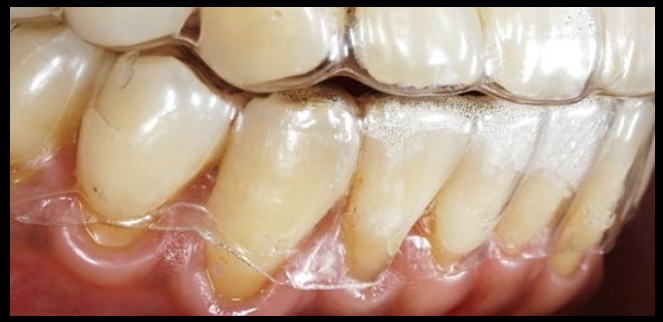
What is Botox (Botulinum Toxin):
- neurotoxin botulinum toxin type A
- to temporarily block nerve signals that cause muscles to contract

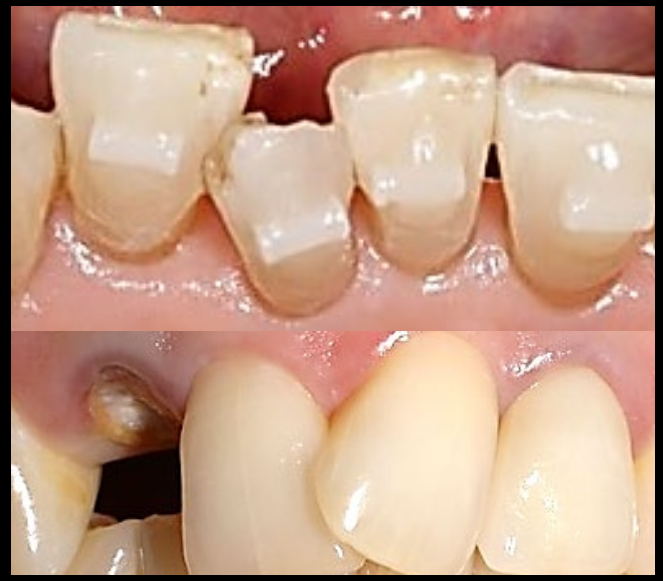
When to "Filler & Toxin"? _ Indication

Dentium

Pre-treatment

Labially protruded
Crowded & triangular shaped teeth

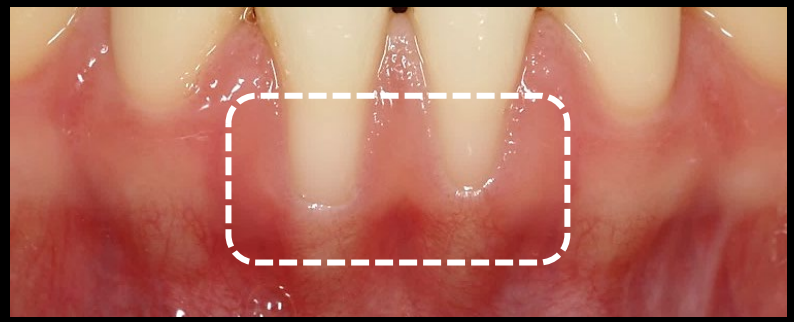


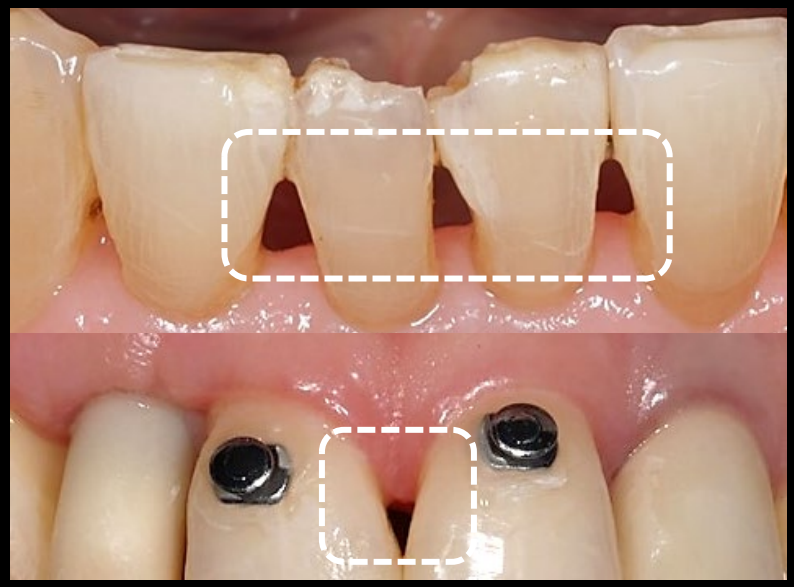


Alignment

Post-treatment

Gingival recession
Interdental papilla lose (Black triangle)





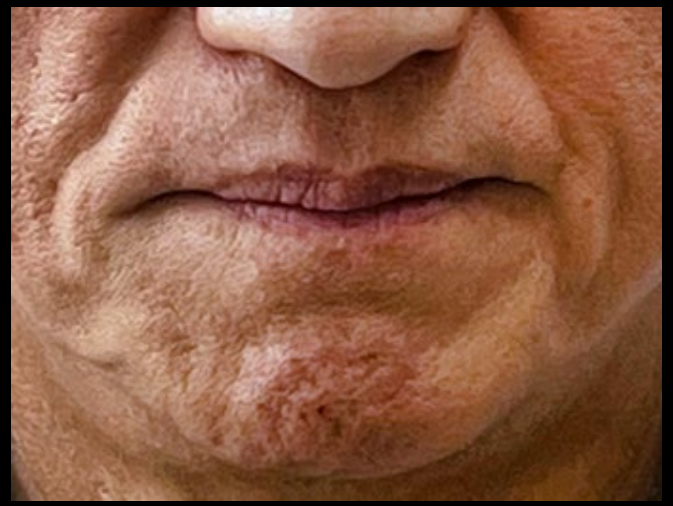
When to "Filler & Toxin"? _ Indication

Dentium

Symptoms

Edentulous morphology
Malocclusion

Habitual clenching
Muscle strain



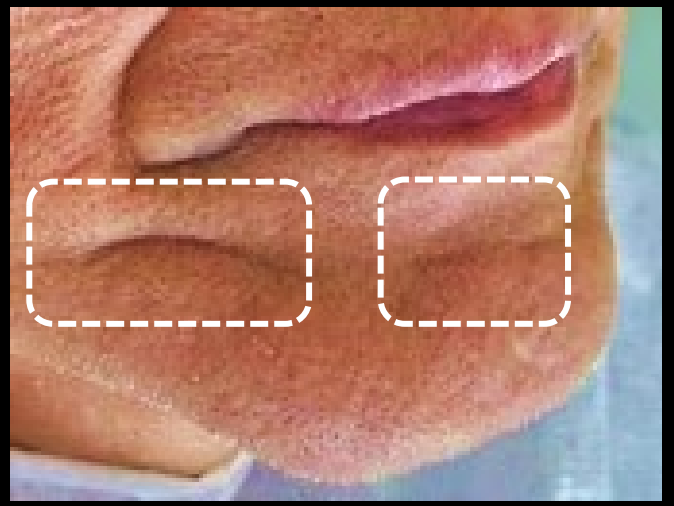
Aging

Vertical
Dimension
Reconstruction

Negative outcomes

Face contour change

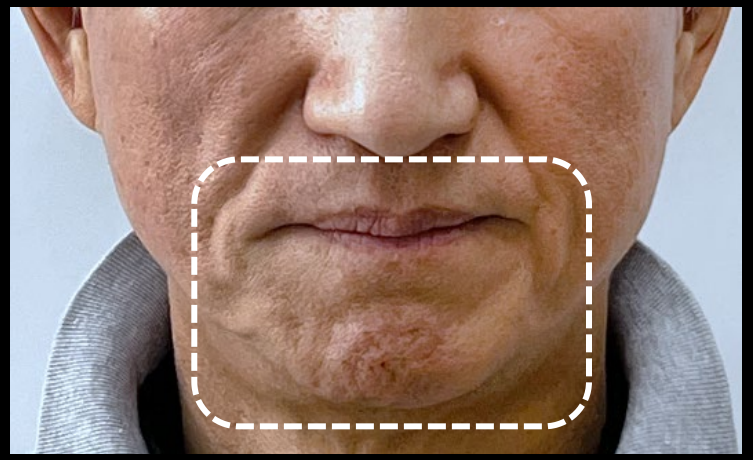
Mental crease
Muscle fatigue



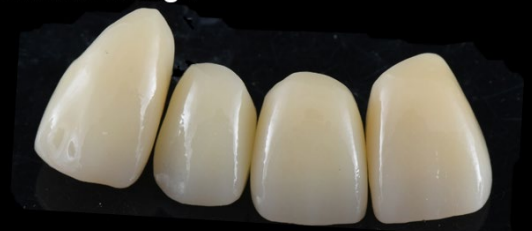
Wrinkles and folds
Volumetric shrinkage

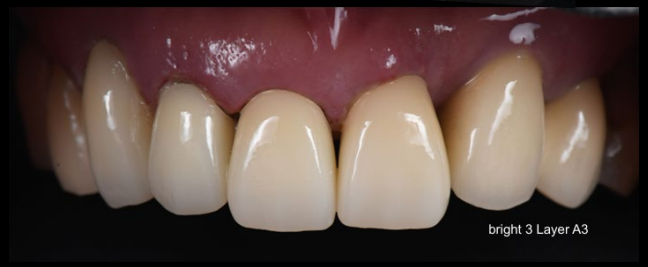
HA filler application after prosthetic treatment

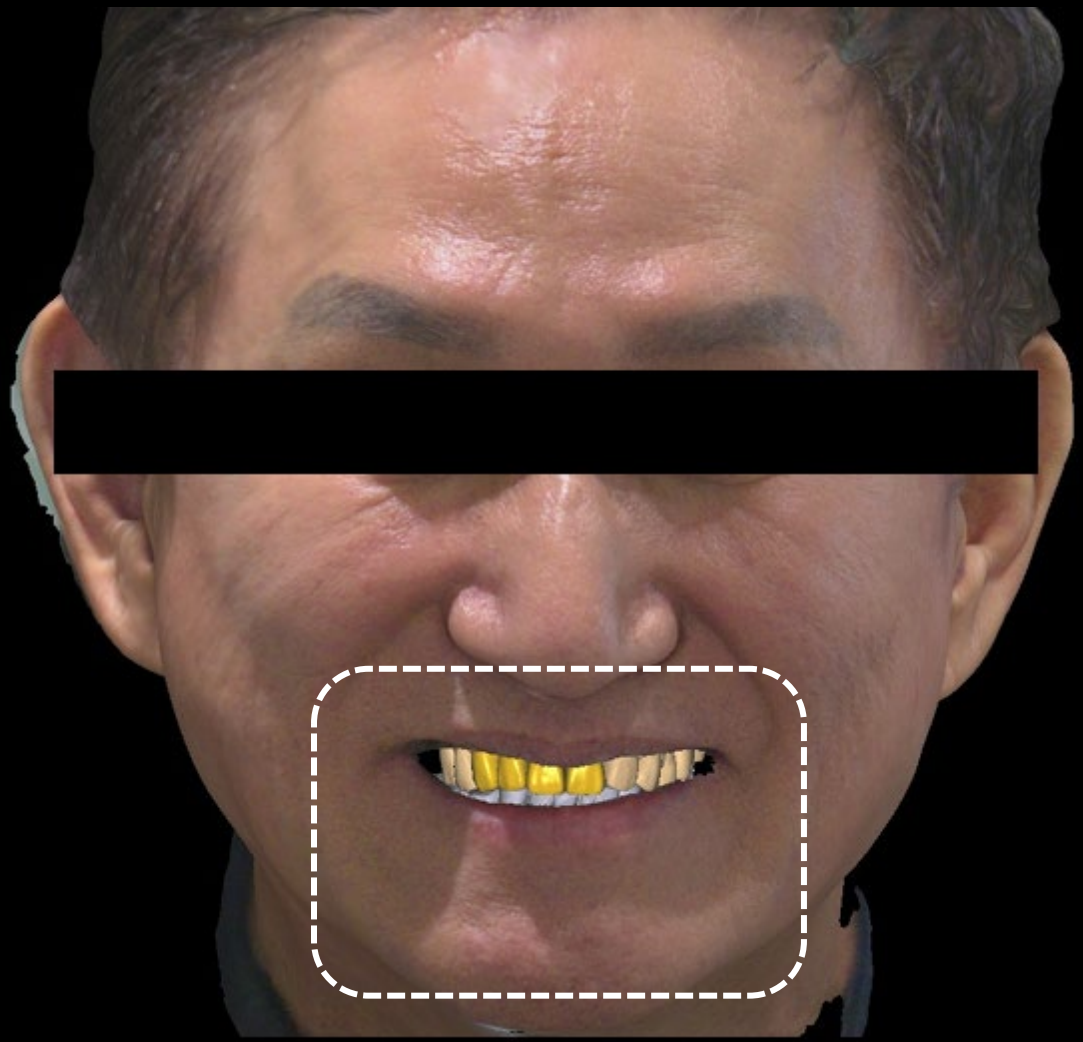
Dentium



Prosthesis design





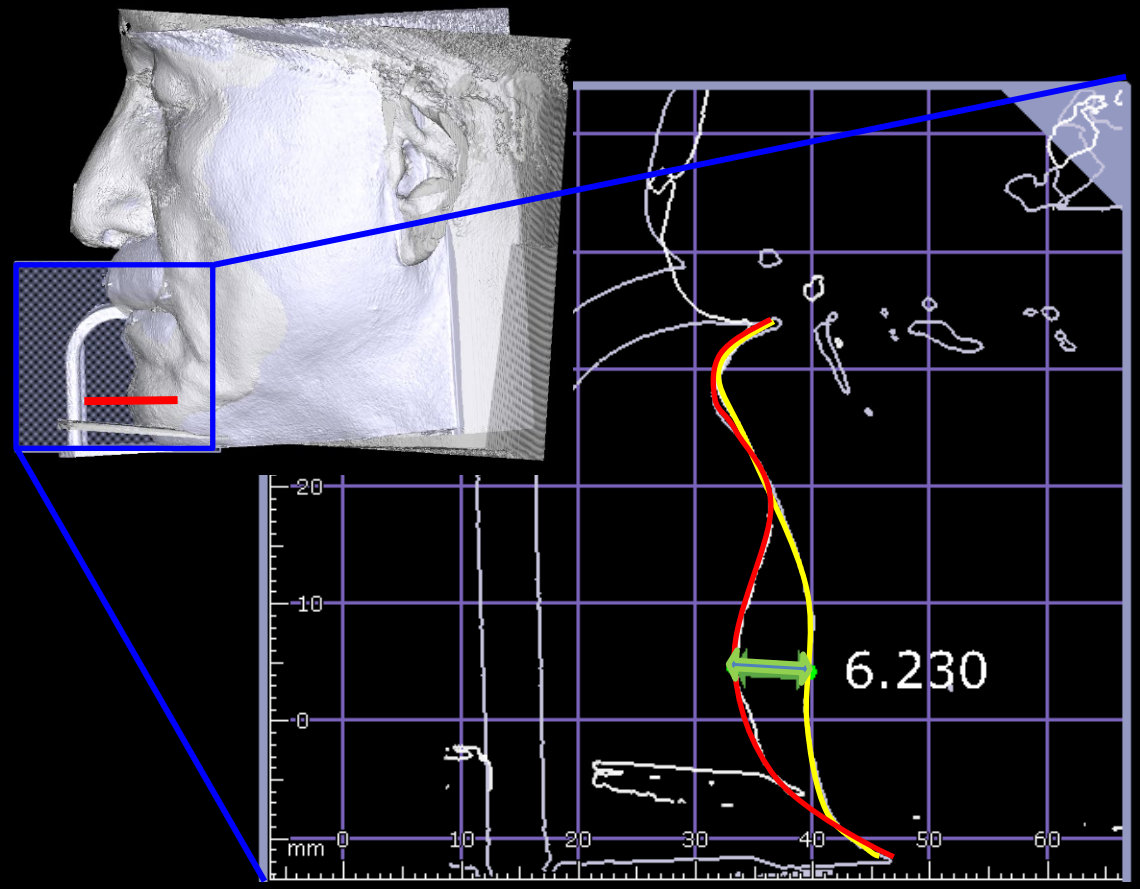


HA filler application after prosthetic treatment

Dentium

Before

After

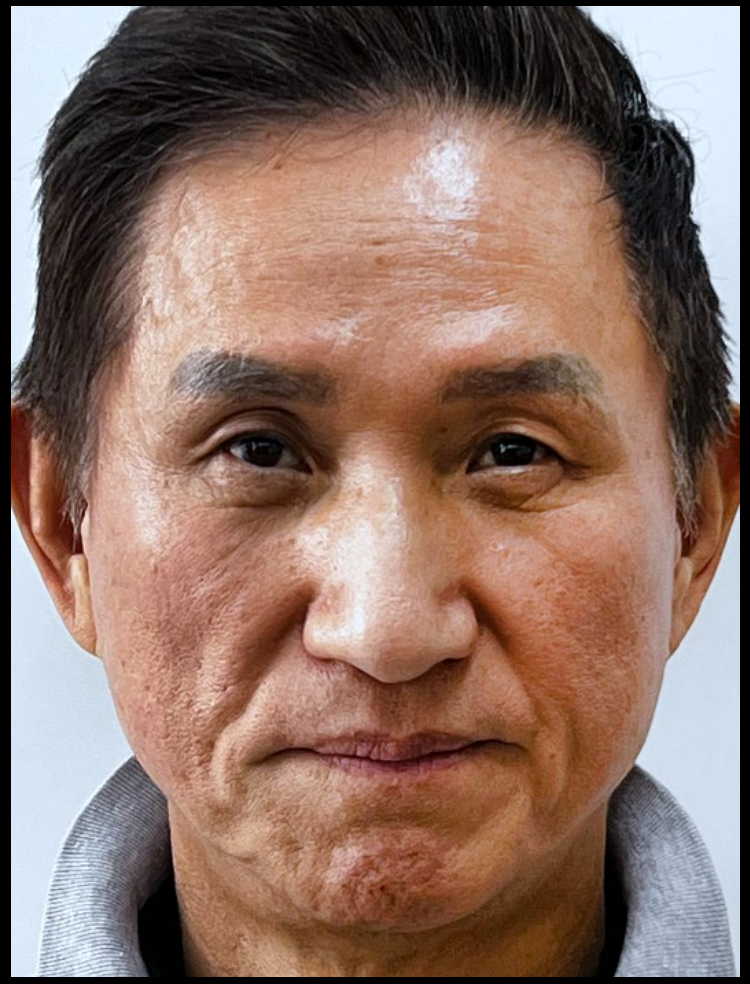


Before → After

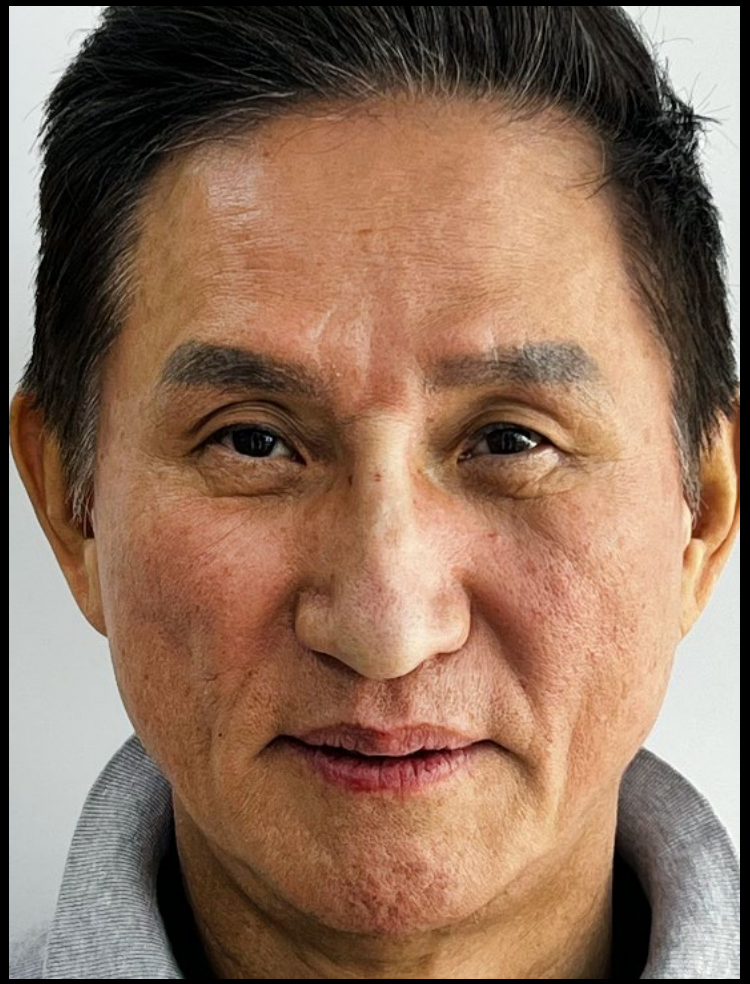
HA filler application after prosthetic treatment

Dentium

Before



After



1 Month Later

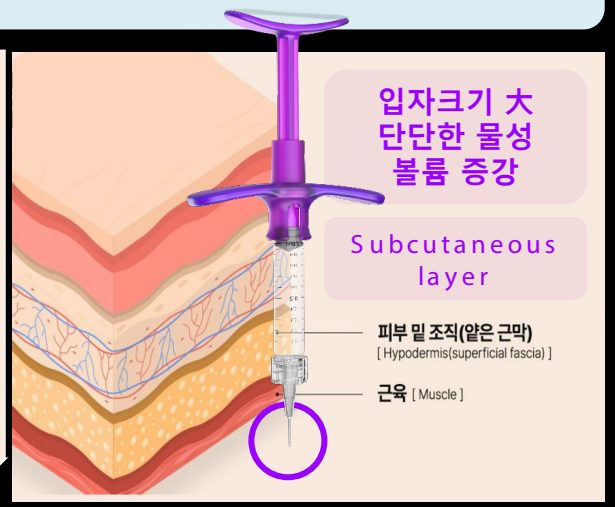
How to “Filler & Toxin”? _ Treatment techniques

Dentium

Monalisa High Elastic Volume

Bone-contact technique

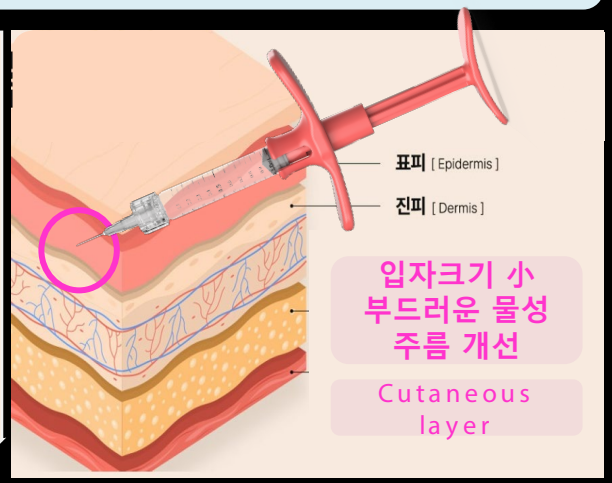
- Avoid anatomical hazards
- Minimize connective tissue damage
- Natural appearance
- Long-term stable



Monalisa High Elastic Rose

Needle-up technique

- Intradermal angle (10~15°)
- On superficial layer
- Maintain smooth appearance
- Less invasiveness



Before injection

Premedication with antibiotics and NSAIDs

Facial cleansing

Disinfection with alcohol

Topical anesthesia with ointment

Local anesthesia with infiltration injections

Post injections

Broad-spectrum antibiotics and NSAIDs

Avoid heats, strenuous exercise and nicotine

Check-up every 3 days

If any unusual signs appear, visit the clinic

Surgical Concept _ HA Filler

Dentium

Bone contact technique

- Long-term stable
- Avoid anatomical hazards
- Minimize connective tissue damage
- Natural appearance

Needle-up technique

- Intradermal injection (on superficial layer)
- Maintain smooth appearance
- Less invasiveness

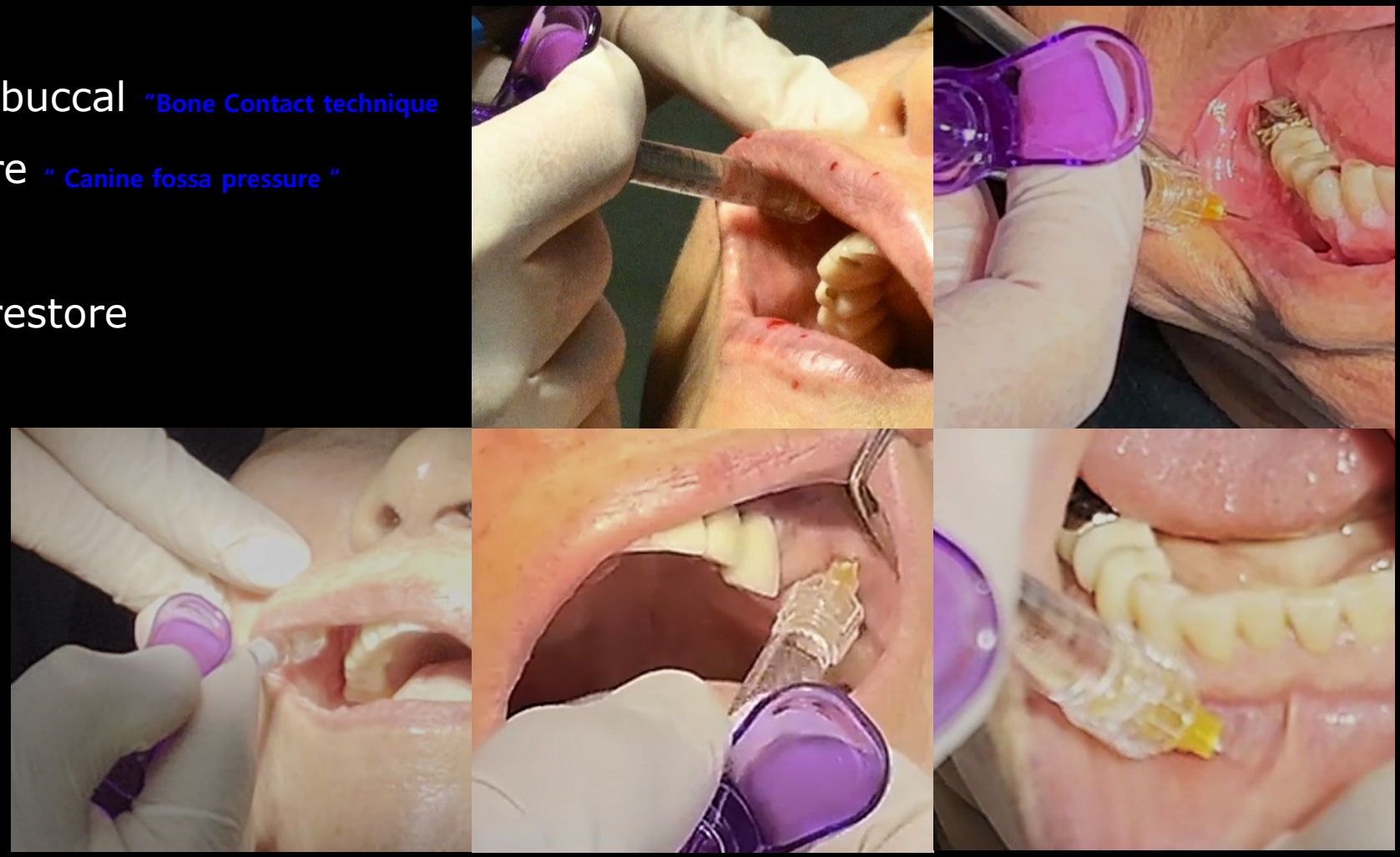
Nasolabial folds & Marionette lines

Dentium

Intra-oral

- Intraoral: bone contact at buccal apex, canine fossa pressure "Bone Contact technique" " Canine fossa pressure "

- Aim: soften deep crease, restore youthful contour

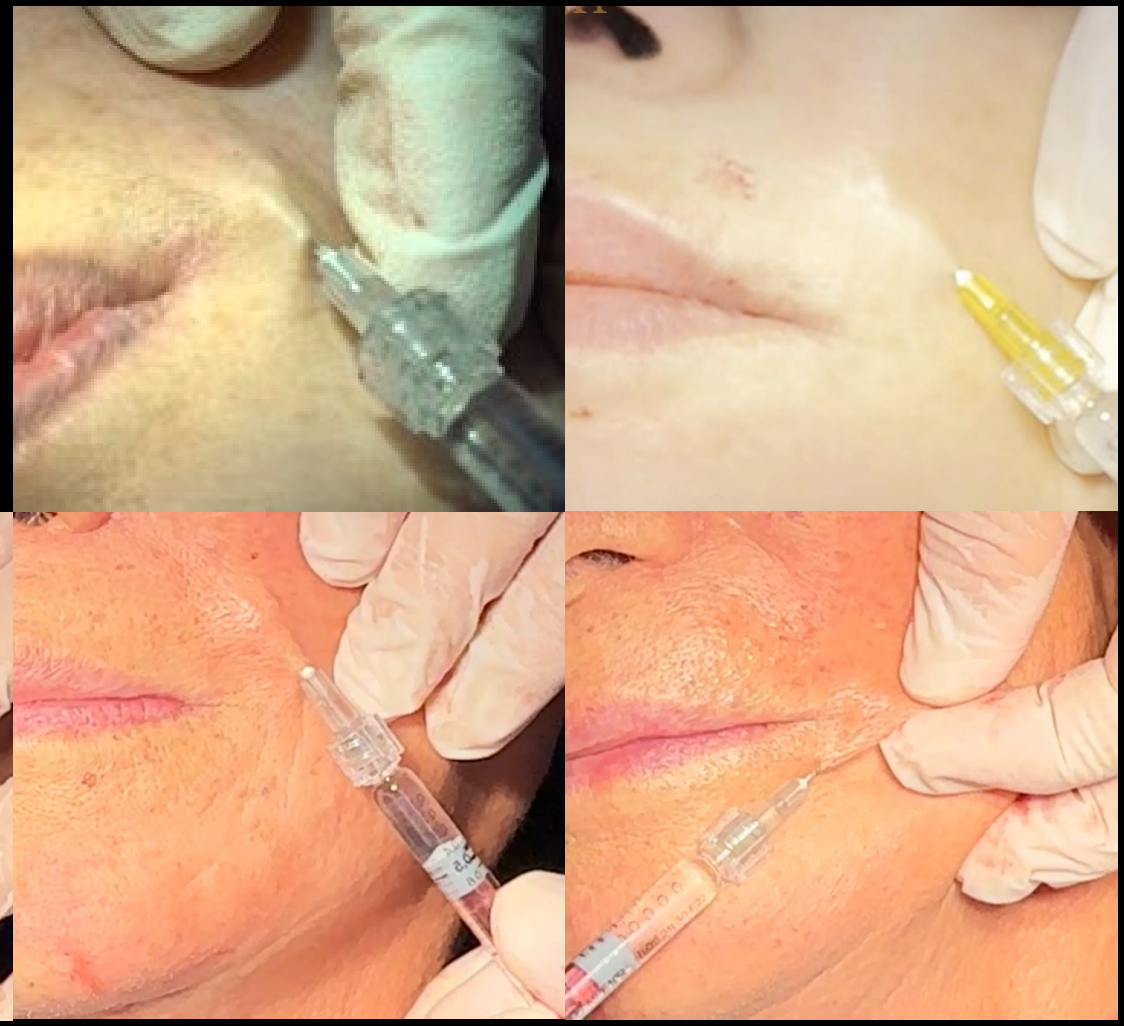


Nasolabial folds & Marionette lines

Dentium

Peri-oral "Needle-up technique"

- Superficial injection
- 3~5mm upwards from nasolabial folds
- 0.5-1cc

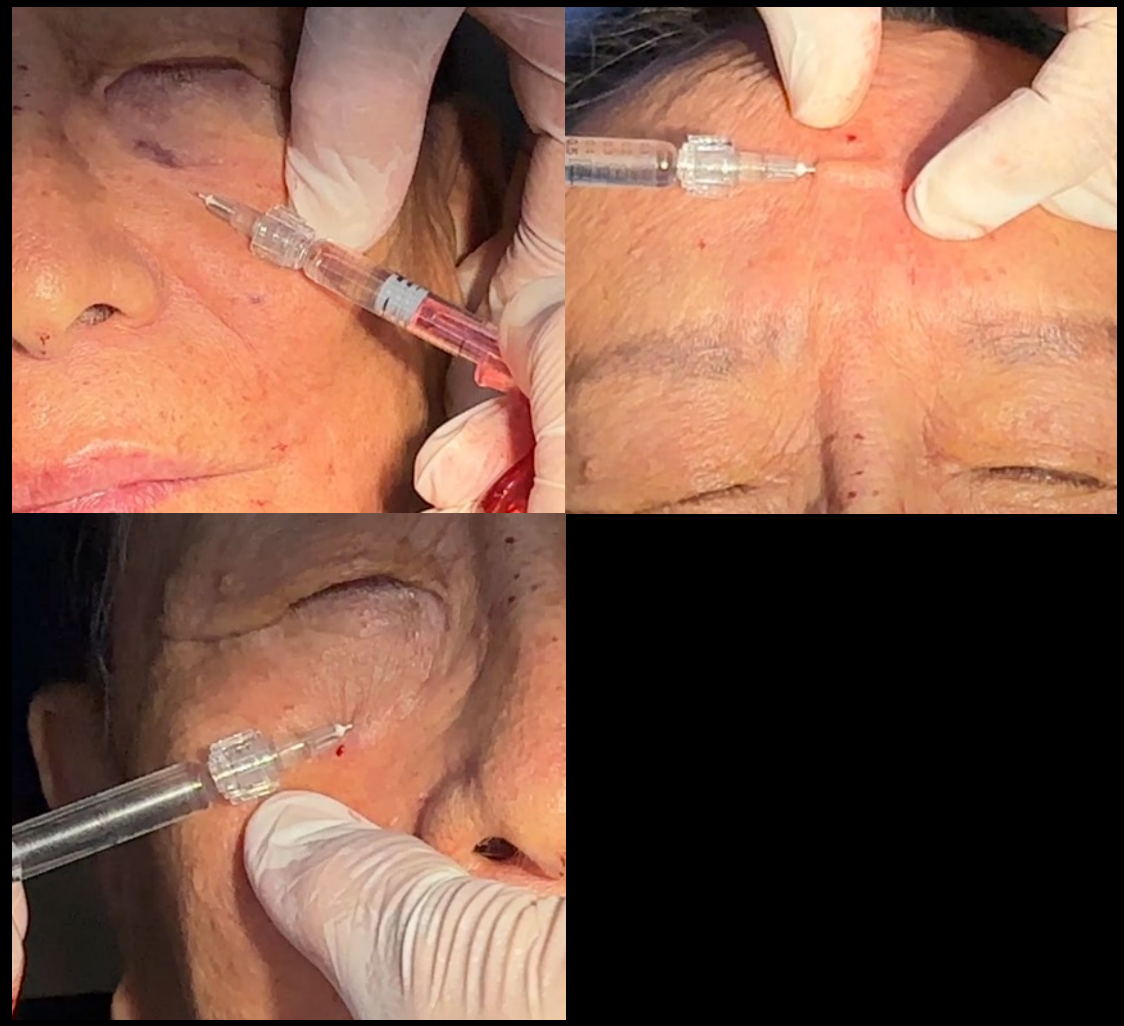


Fine wrinkles

Dentium

Peri-oral "Needle-up technique"

- Superficial injection
- Injection volume depend on severity of fine lines

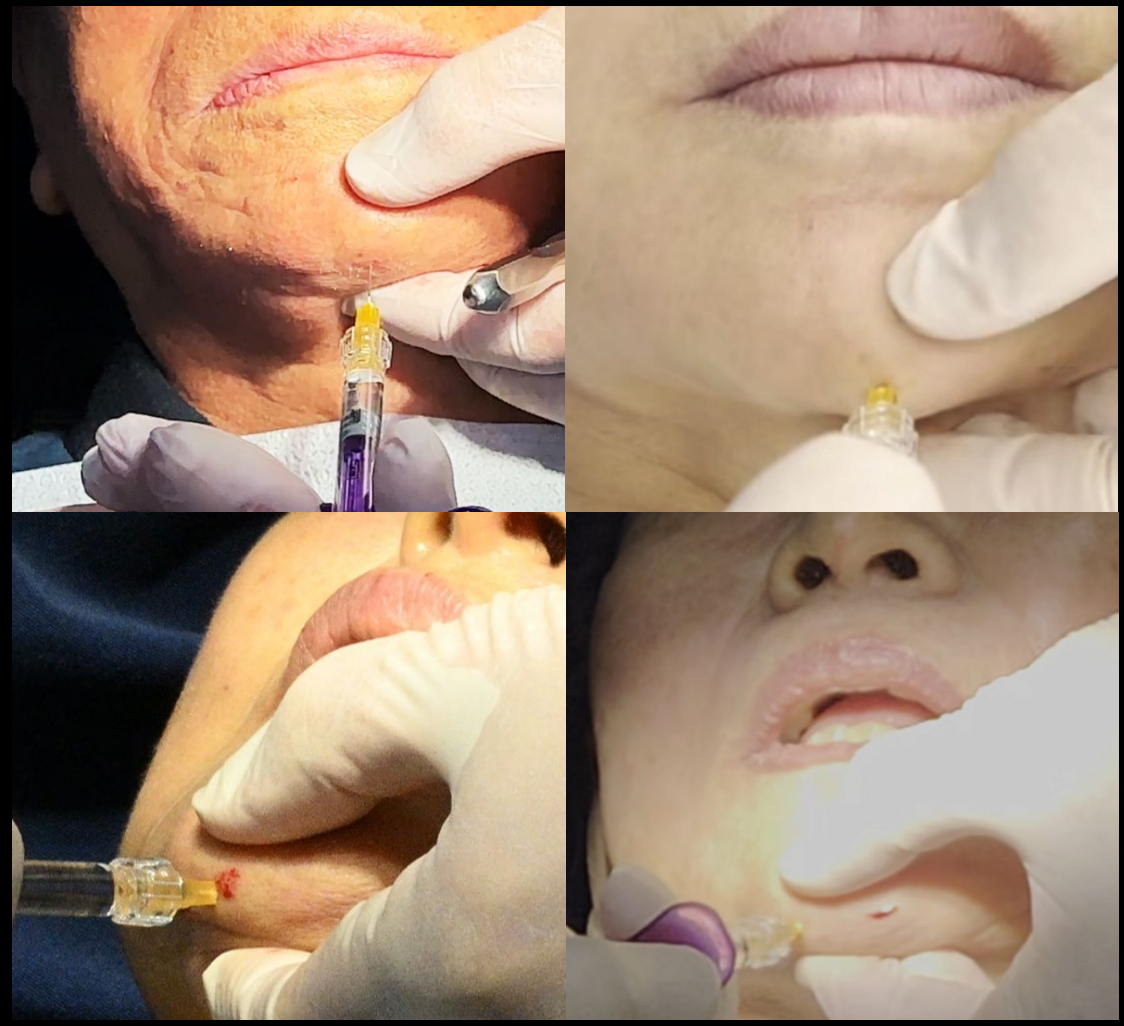


Chin & Jaw contour

Dentium

Bone contact technique

- With jawline reconstruction for balanced profile
- Superficial injection, ~2 cc total
- linear threading along contour



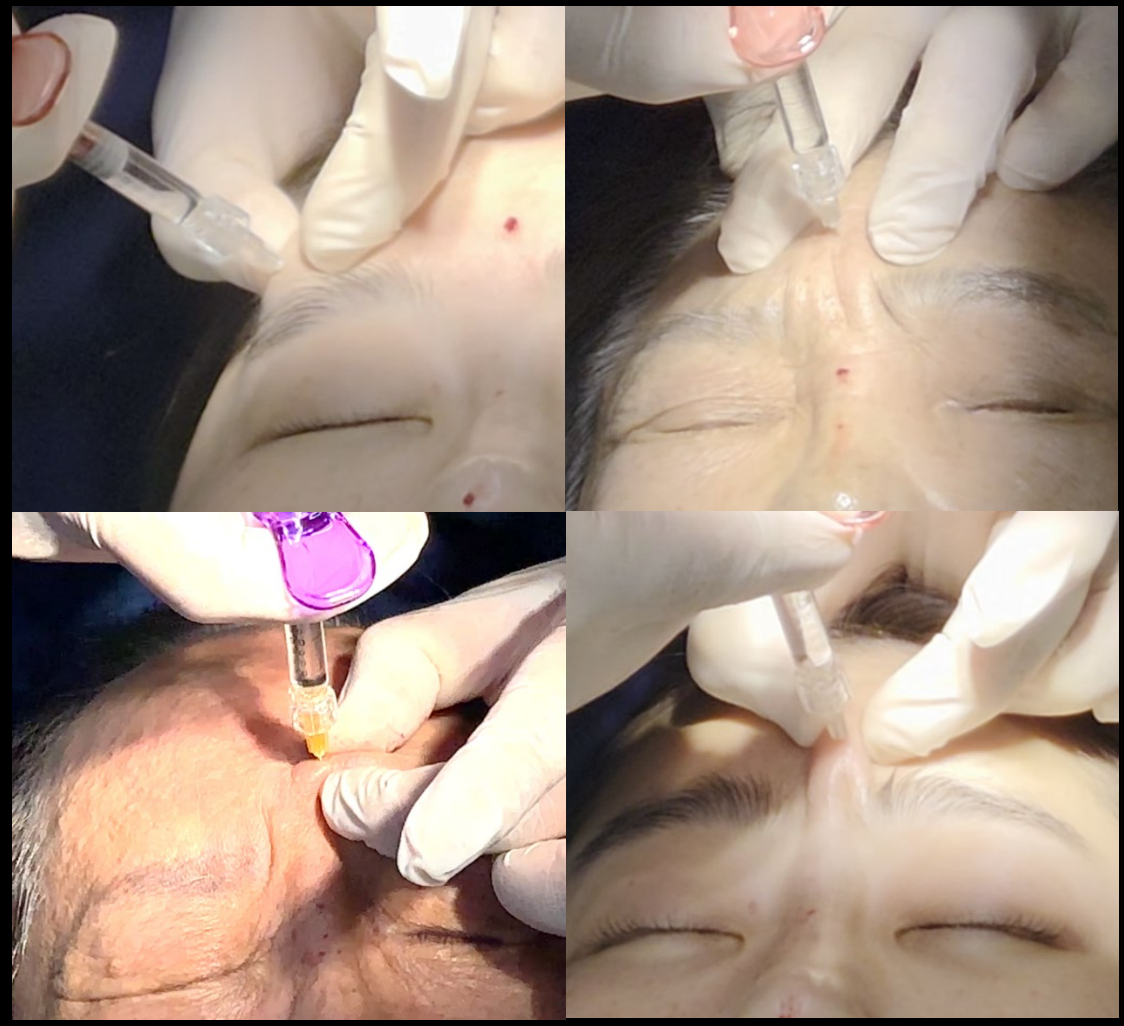
Forehead & Frown line

Dentium

Bone contact at frontal sinus

Fill depressed volume, linear or fanning technique

Caution: inject slowly, low volume per pass

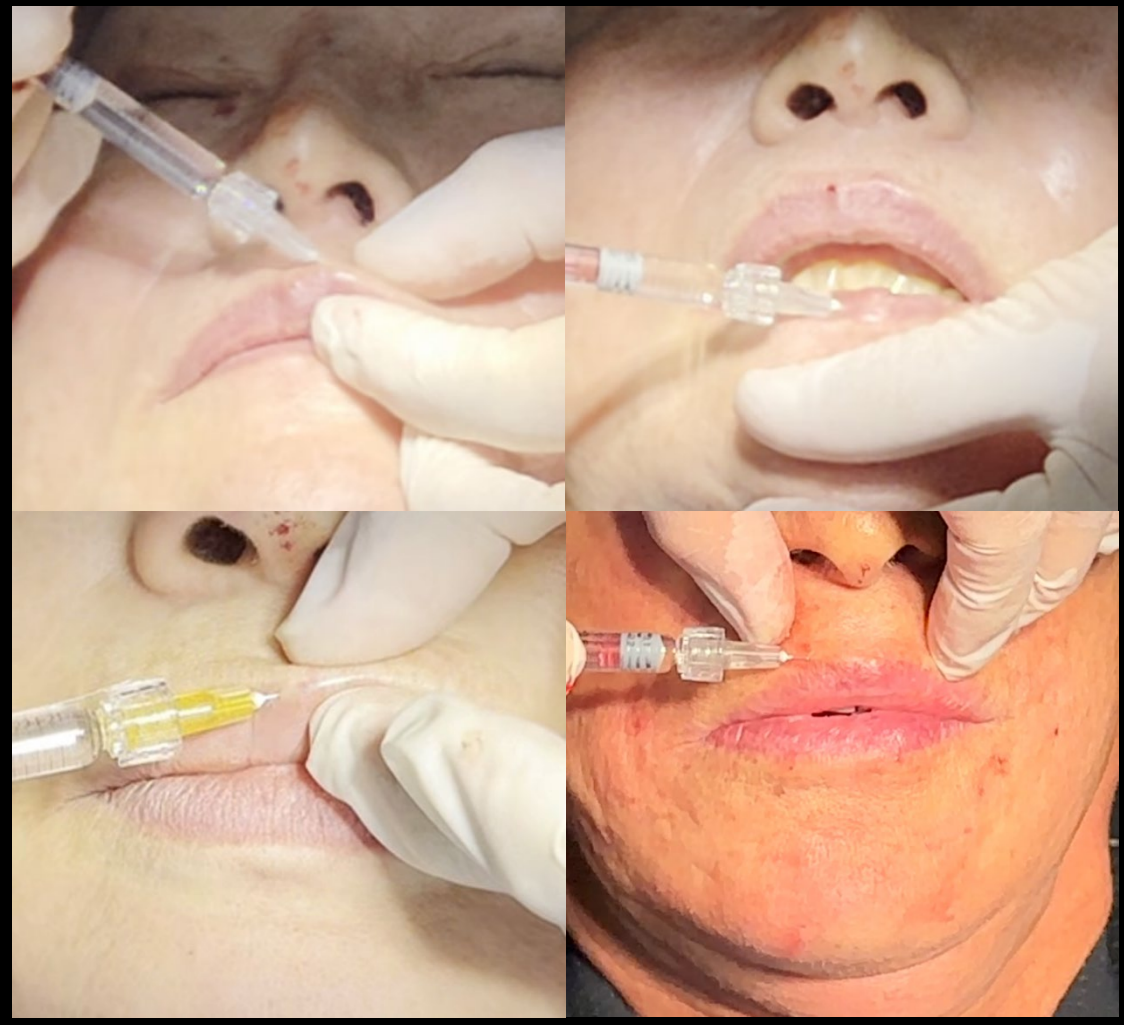


Labial contour

Dentium

Subdermal injection along vermilion border

Small aliquots to avoid overcorrection



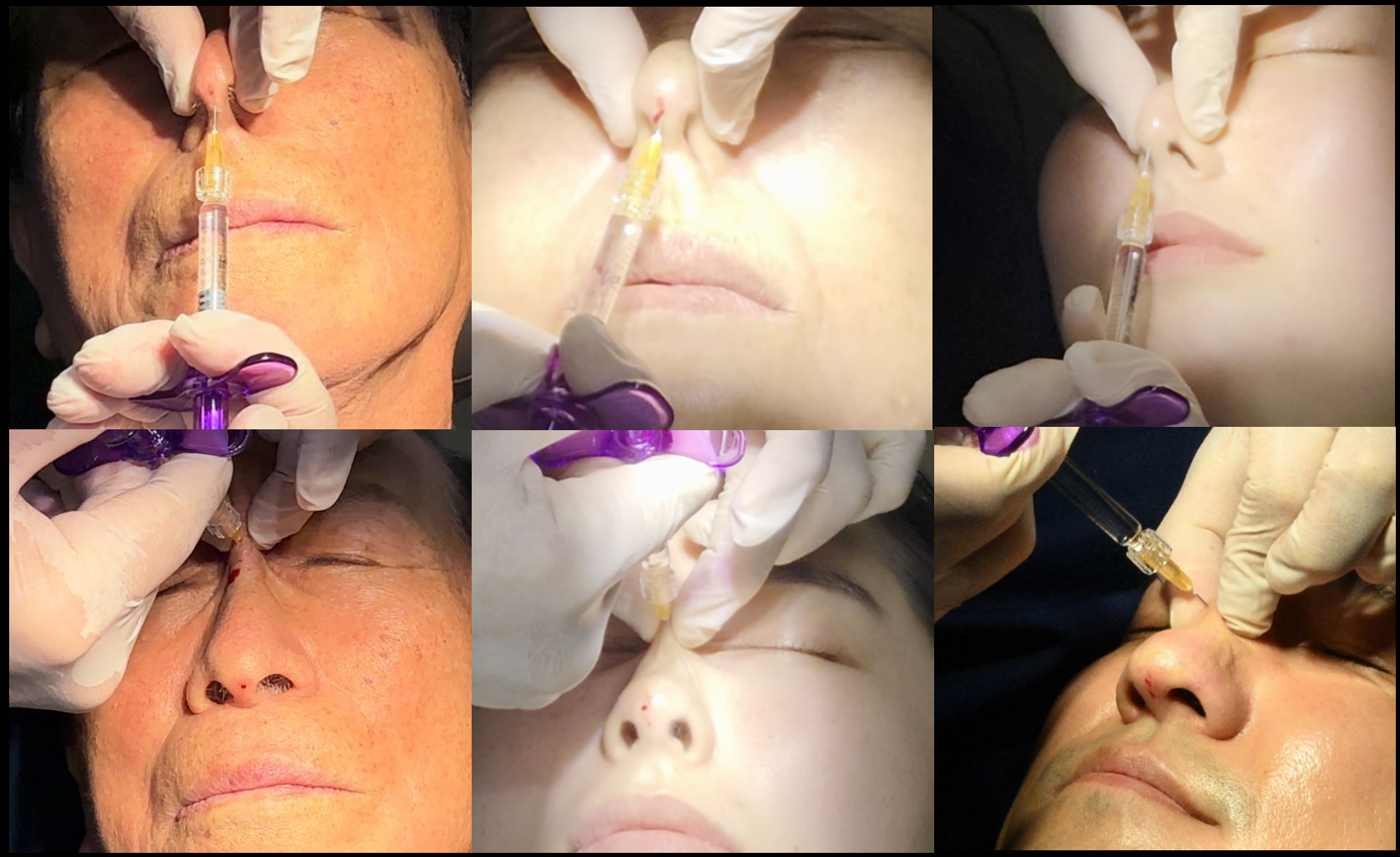
Nasal contour

Dentium

Dorsum: bone contact on nasal bone, linear threading

Tip: intraoral or perioral approach, small bolus injection

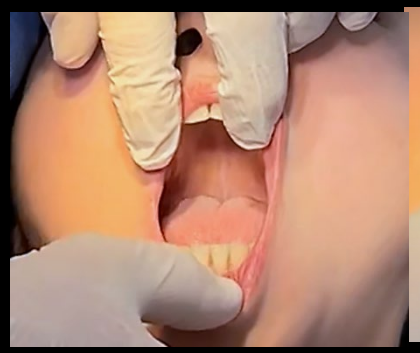
Caution: avoid vascular compromise (dorsal nasal artery)

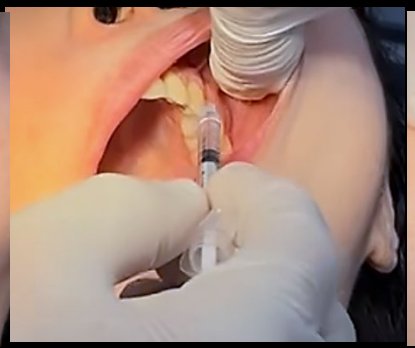


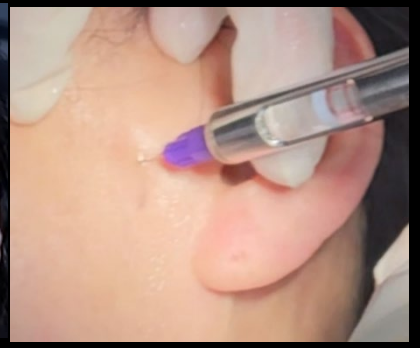
Surgical Concept _ Toxin

Dentium

Botulinum Toxin : TMD 치료 병용







Intra-oral Approach of Lateral Pterygoid

Indication: VD (vertical dimension) reconstruction

Palpation (site): 3rd molar bucco-apex area

Palpation (method): check muscle tenderness

Injection (site): 3rd molar bucco-apex area

Injection (method): induce patient to clench

" Jaw Relaxing "	" Intraoral approach – Lateral pterygoid"	" 관절낭 주사 " 귀에서 1.5cm 전방
➢ Muscle tension 감소 ➢ 증상 management ➢ Jaw opening	➢ Remove discomfort ➢ Reduce muscle activity	➢ Pain-relieving ➢ Reduce symptoms

Masticatory muscle

Dentium

Lateral pterygoid

- ✓ Intraoral approach
- ✓ Palpation: bucco-apex area of 3rd molar
- ✓ Injection: induce patient to clench

Masseter

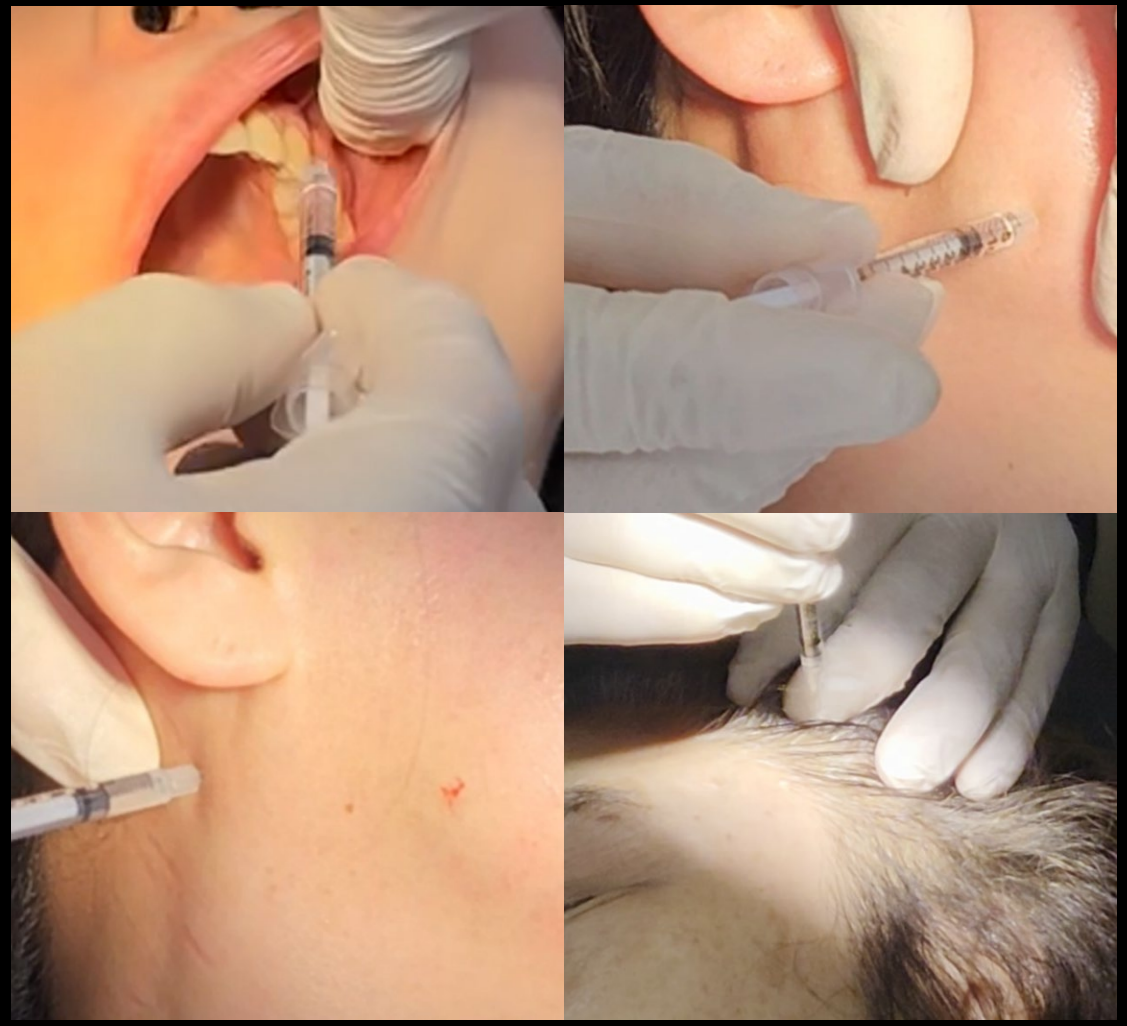
- ✓ Male: 40 units / Female: 20 units
- ✓ Palpation with clenching

SCM

- ✓ 10 units
- ✓ Injection on superior aspect of SCM

Temporalis

- ✓ 5 units
- ✓ Palpation with clenching



Facial muscle

Dentium

Depressor anguli oris

- ✓ Prior to HA filler injection

Orbicularis

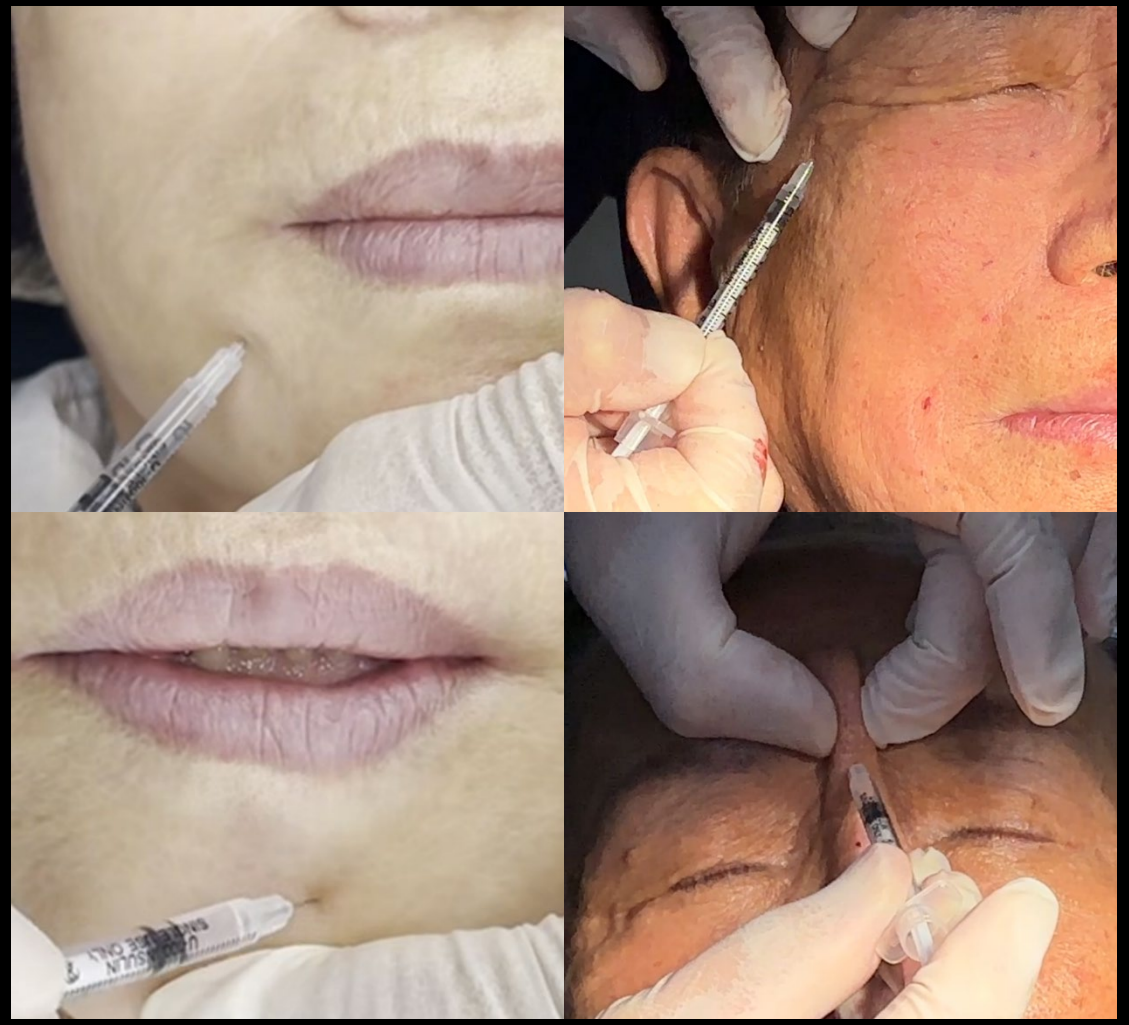
- ✓ To relieve eye wrinkles

Mentalis

- ✓ 2–5 units per side (total 4–10 units)

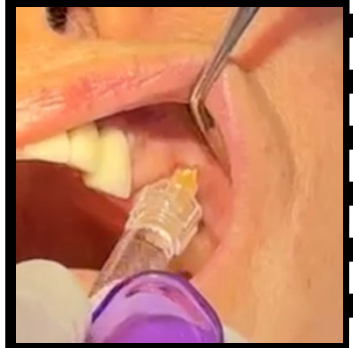
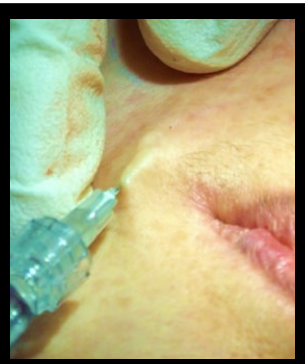
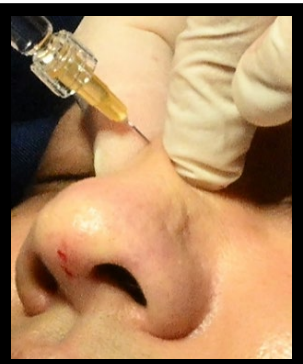
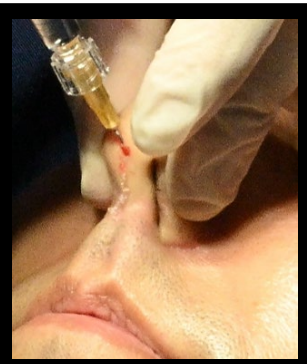
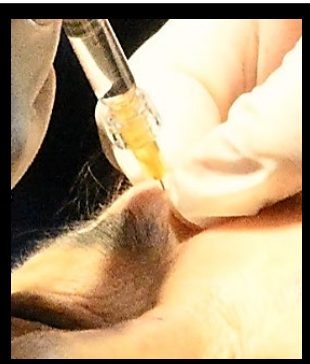
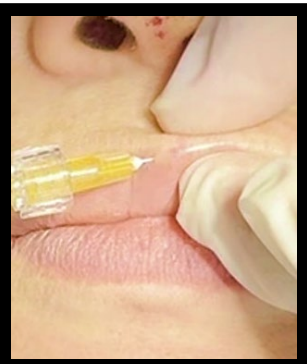
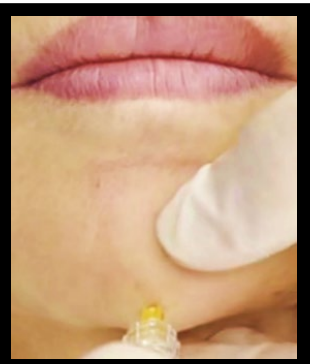
Procerus

- ✓ 4–8 units at frown-line



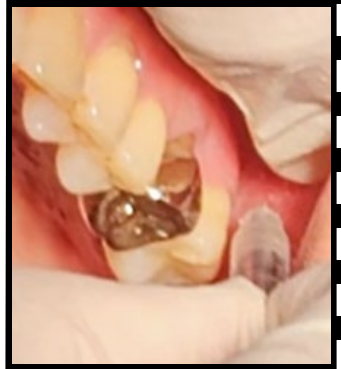
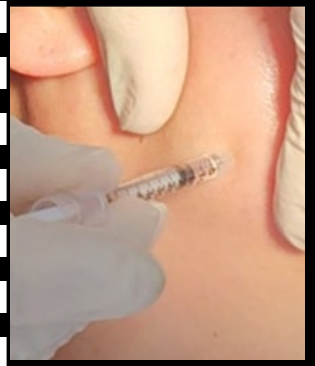
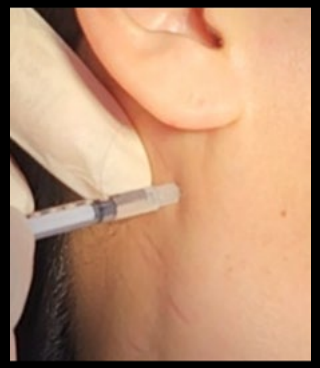
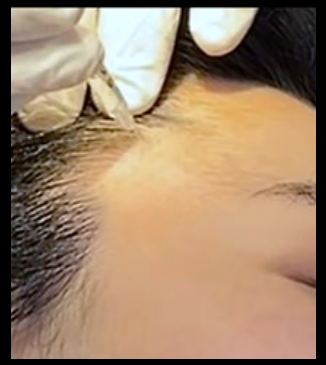
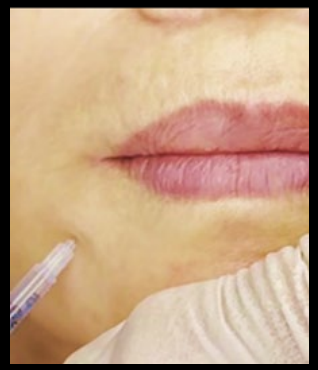
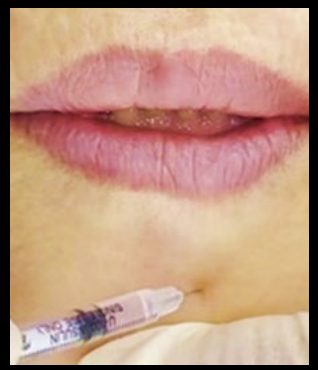
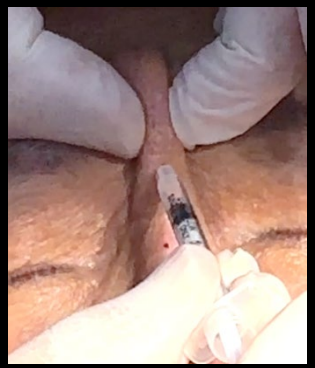
Injection point & recommended dose _ HA Filler

Dentium

Tx Plan	Intraoral	Perioral					
✓ Volume shrinkage ✓ Gingival recession ✓ Marionette wrinkle ✓ Facial contour							
Injection point	**Nasolabial folds & Marionette lines**	**Nasolabial folds & Marionette lines**	**Nose dorsum**	**Nose tip**	**Forehead & Frown line**	**Lip contour**	**Chin contour**
Specific remarks	✓ Bone contact on buccal apex ✓ Canine fossa pressure	✓ Superficial injection ✓ 3~5mm upwards from nasolabial folds ✓ 0.5-1cc	✓ Bone contact on nasal bone	✓ Both intraoral and perioral approach are achievable	✓ Bone contact on frontal sinus ✓ On depressed volume	✓ Subdermal injection	✓ With jawline reconstruction ✓ Superficial injection ✓ 2cc
Recommended product	MONALISA High Elastic Volume	MONALISA High Elastic Volume	MONALISA High Elastic Volume	MONALISA High Elastic Volume	MONALISA High Elastic Rose	MONALISA High Elastic Rose	MONALISA High Elastic Volume

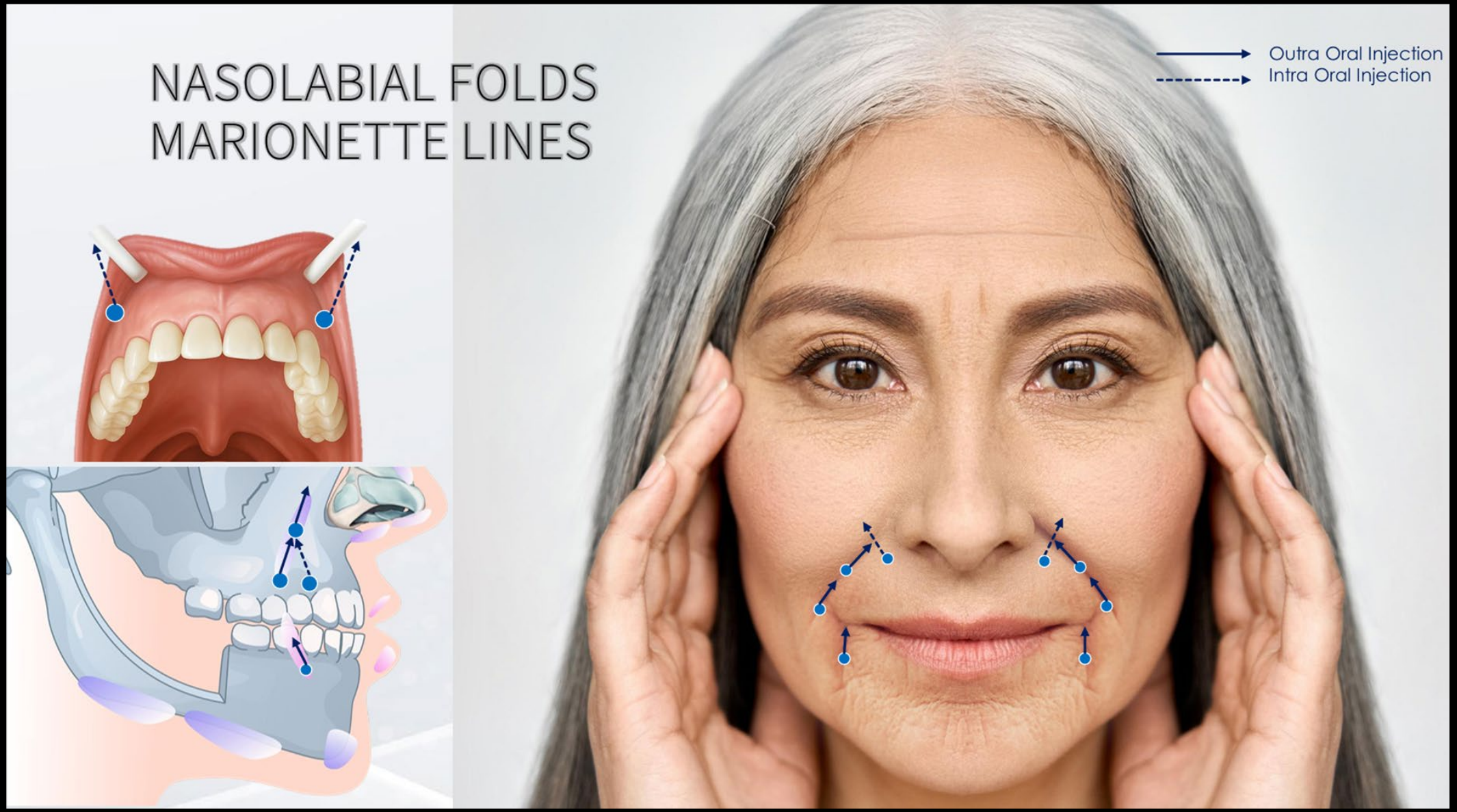
Injection point & recommended dose _ Toxin

Dentium

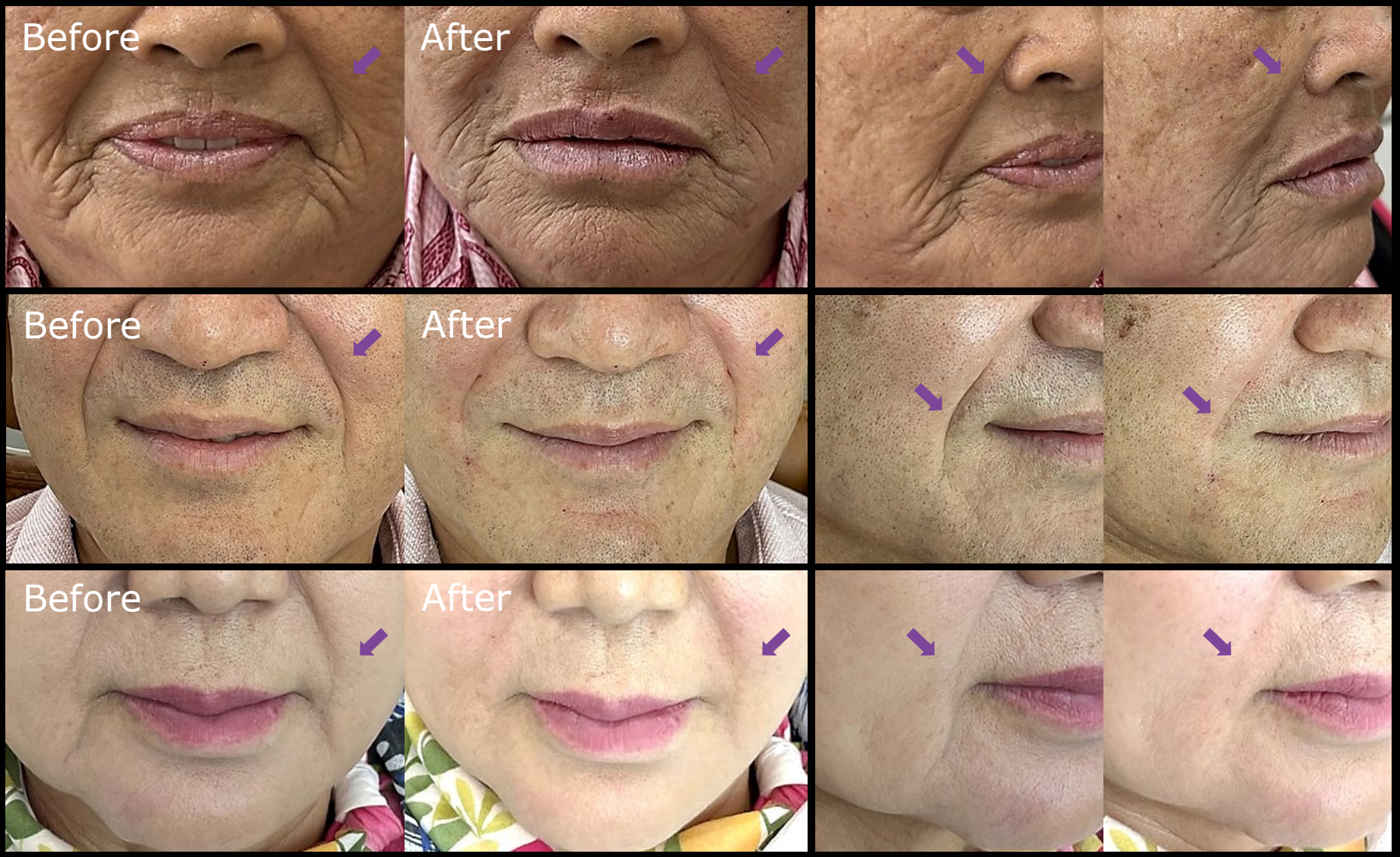
Tx Plan	Intraoral	Perioral					
✓ VD reconstruction (4~5mm) ✓ TMD ✓ Bruxism ✓ Habitual clenching ✓ CR adaptation after orthodontic treatment ✓ Wrinkles and folds							
Injection point	**Lateral pterygoid**	**Masseter**	**SCM** (sternocleidomastoid)	**Temporalis**	**Depressor anguli oris**	**Mentalis**	**Procerus**
Specific remarks	✓ Palpation on bucco-apex area of 3rd molar ✓ Induce the patient to clench	✓ Male : 40 unit ✓ Female : 20 unit ✓ Palpation & inducing the patient to clench	✓ 10 unit ✓ On superior aspect of SCM	✓ 5 unit ✓ Palpation & inducing the patient to clench	✓ Prior to HA filler injection	✓ 2–5 units per side (total 4–10 units)	✓ 4–8 units at frown-line

Wrinkle and Folds

Dentium



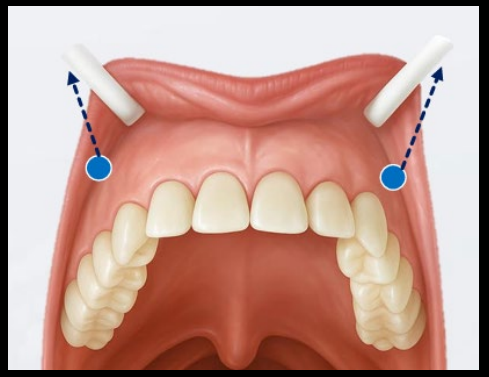
Nasolabial folds

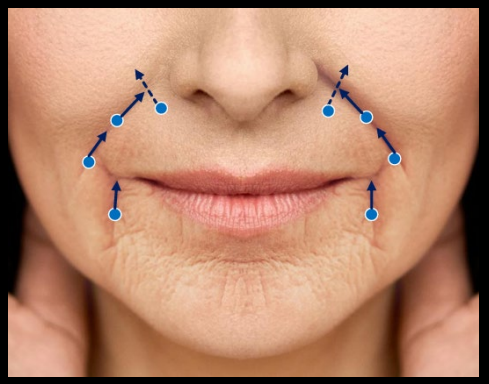


Application sites

High ↙

- **Nasolabial folds**





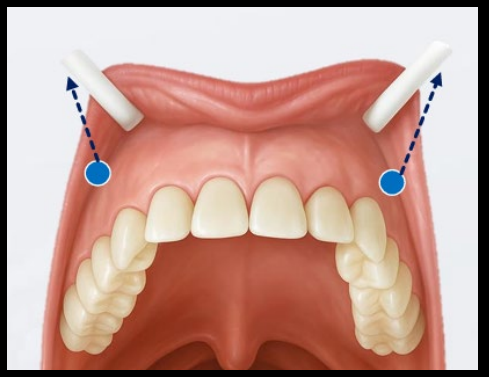
Marionette lines

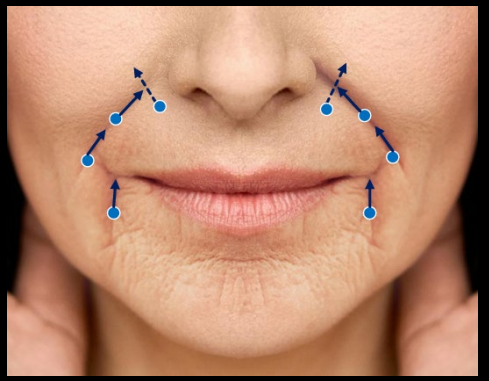
Dentium

Application sites

Smile / Rose

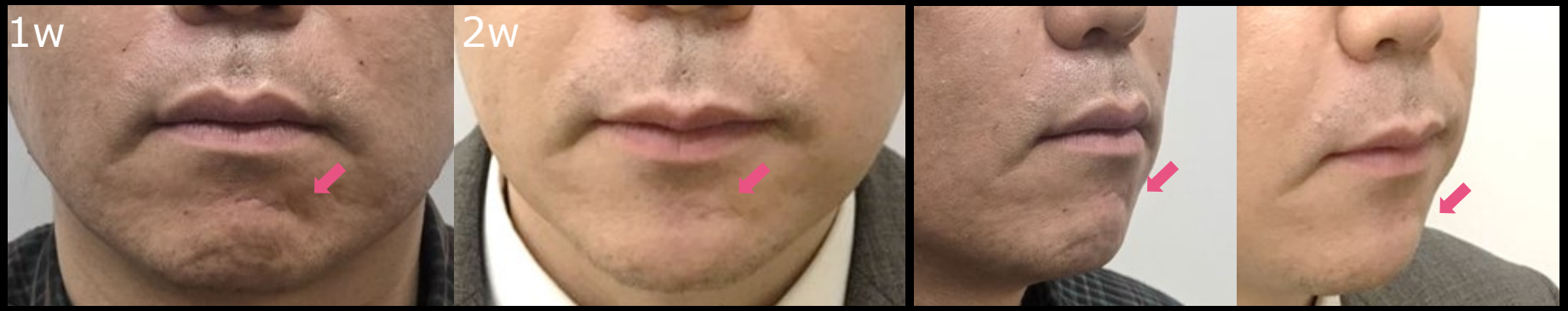
- **Marionette lines**

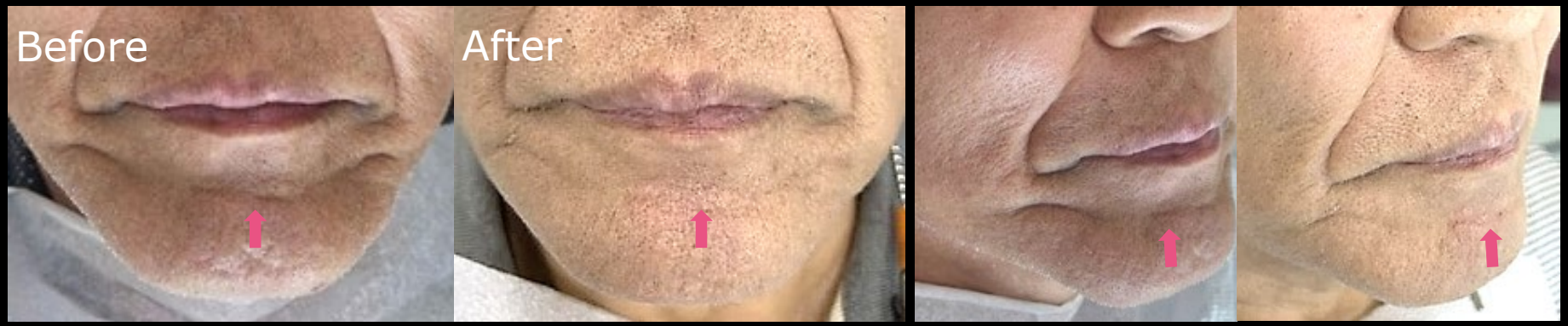


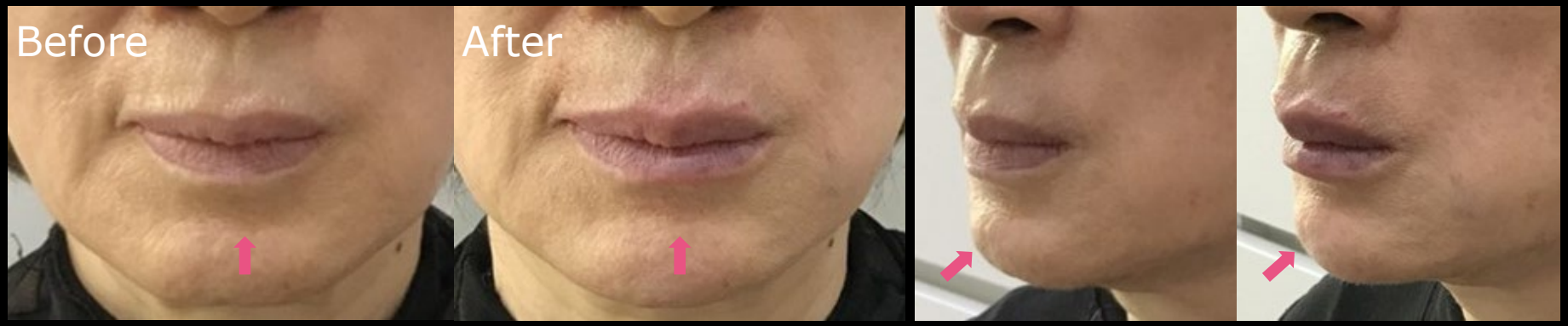


Mental crease

Dentium



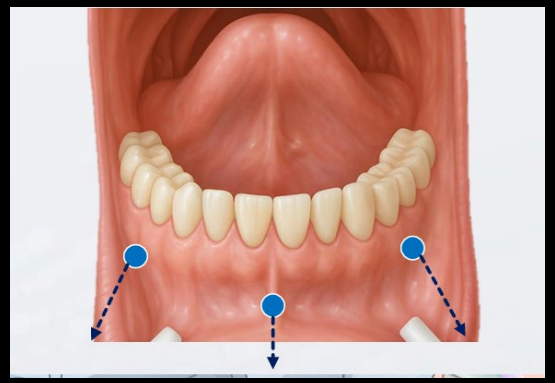


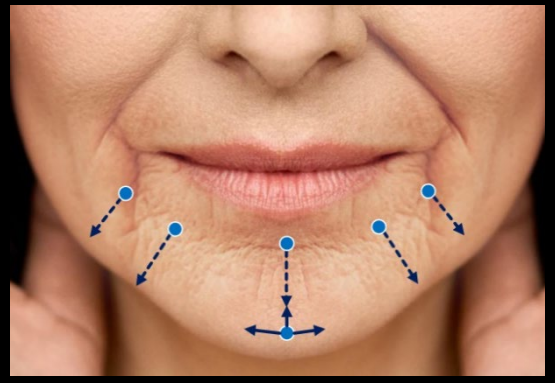


Application sites

Smile / Rose ↙

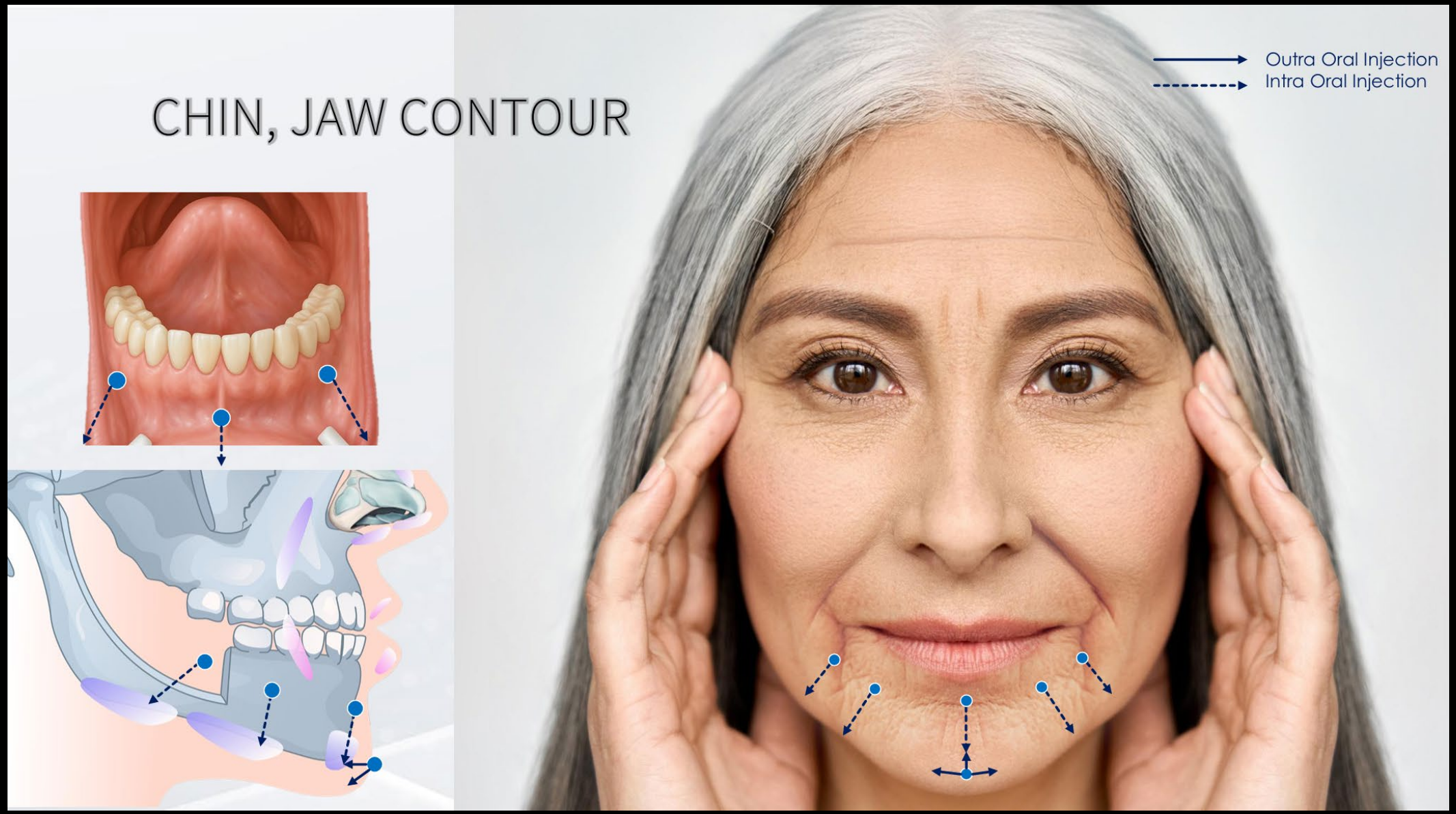
- **Mental crease**



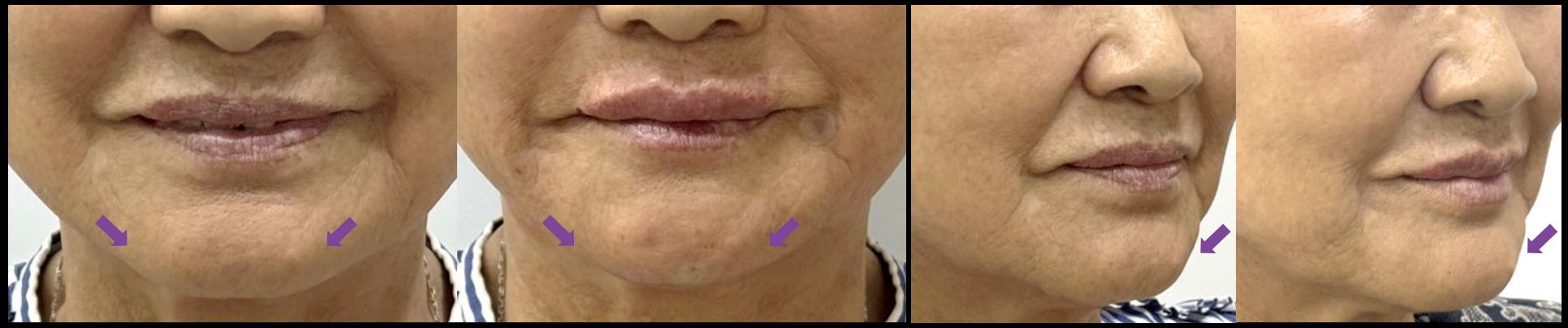


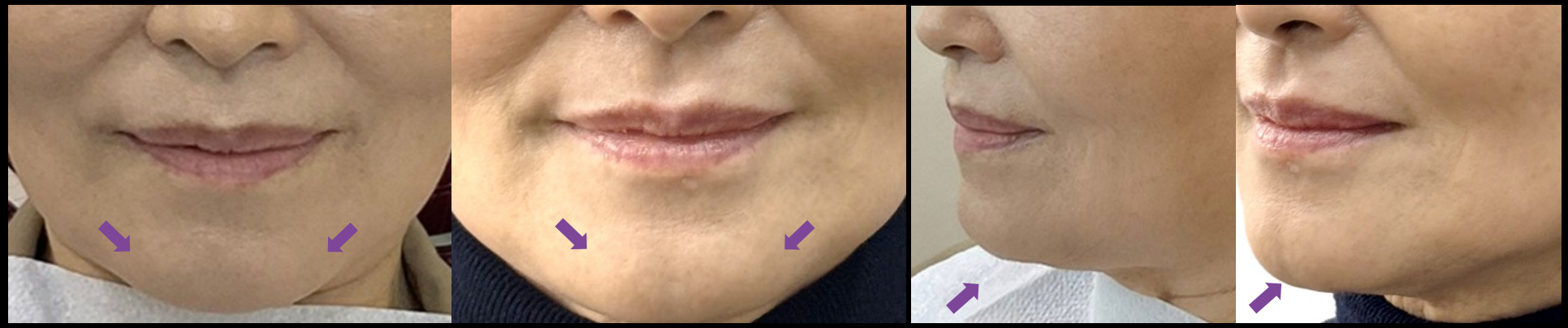
Chin & Jaw contour

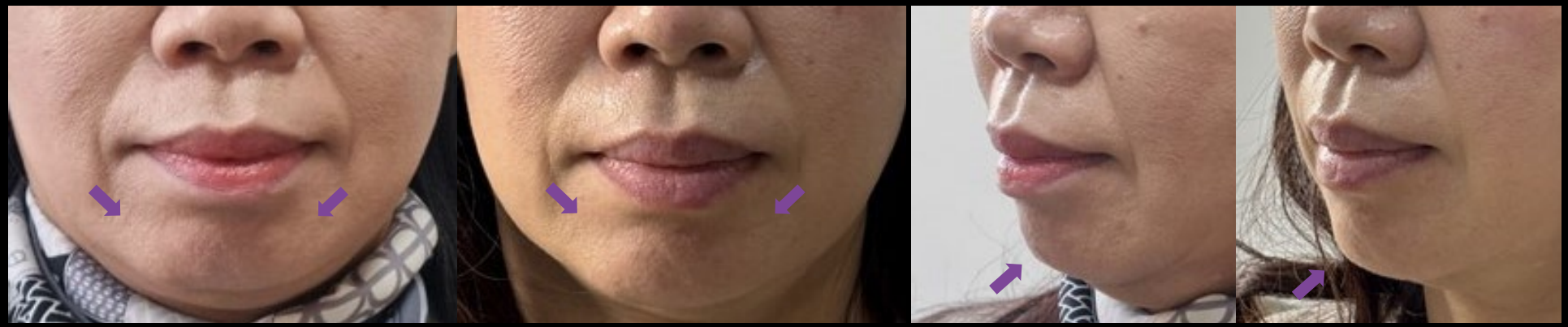
Dentium



Chin & Jaw contour



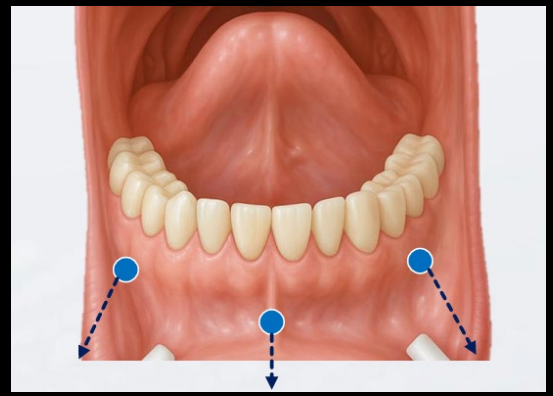


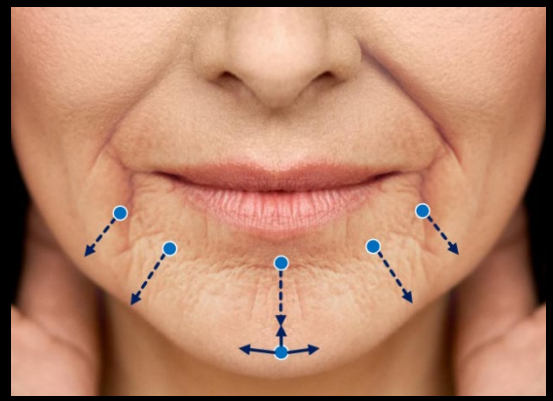


Application sites

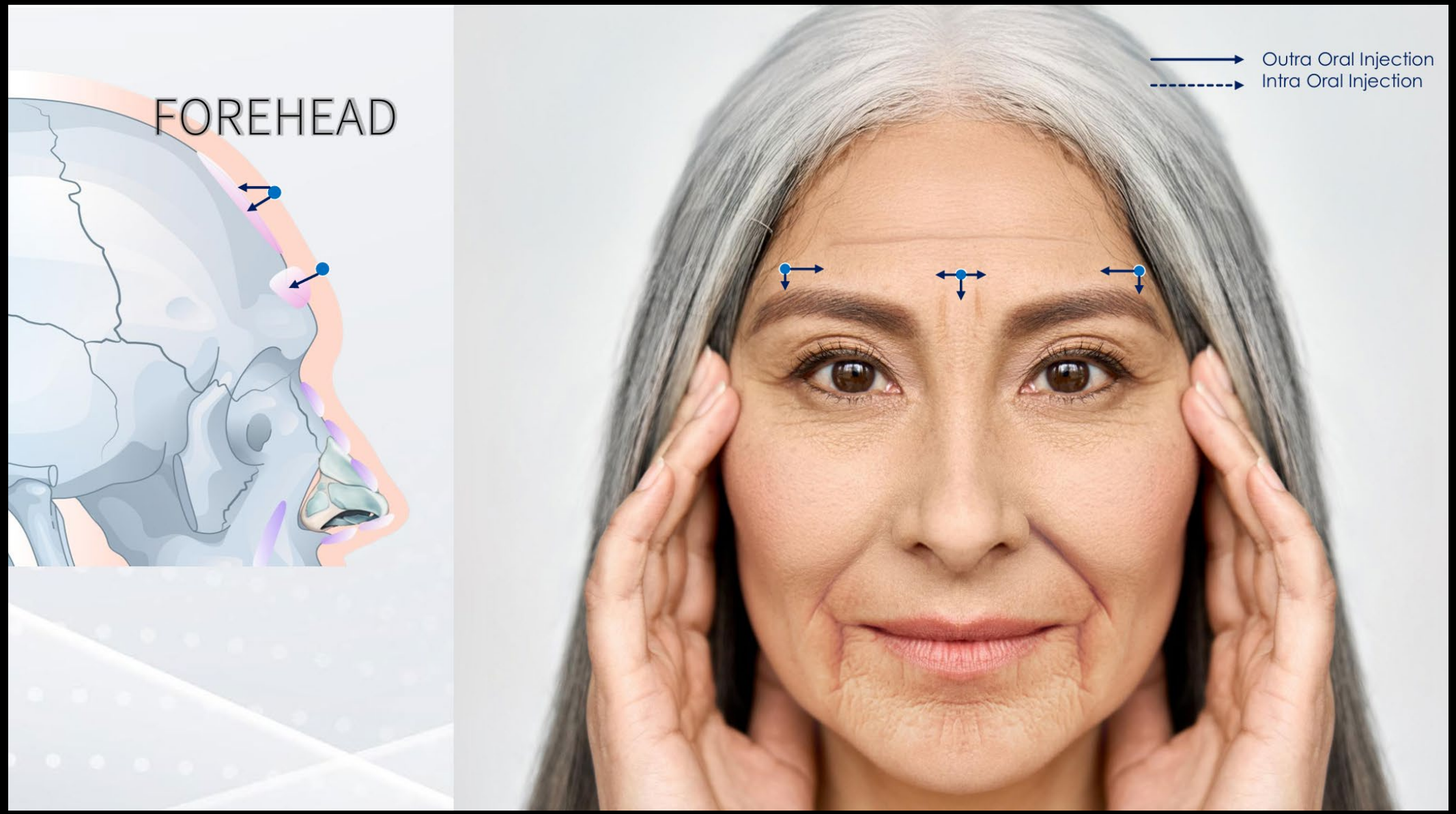
High ↙

- **Chin**

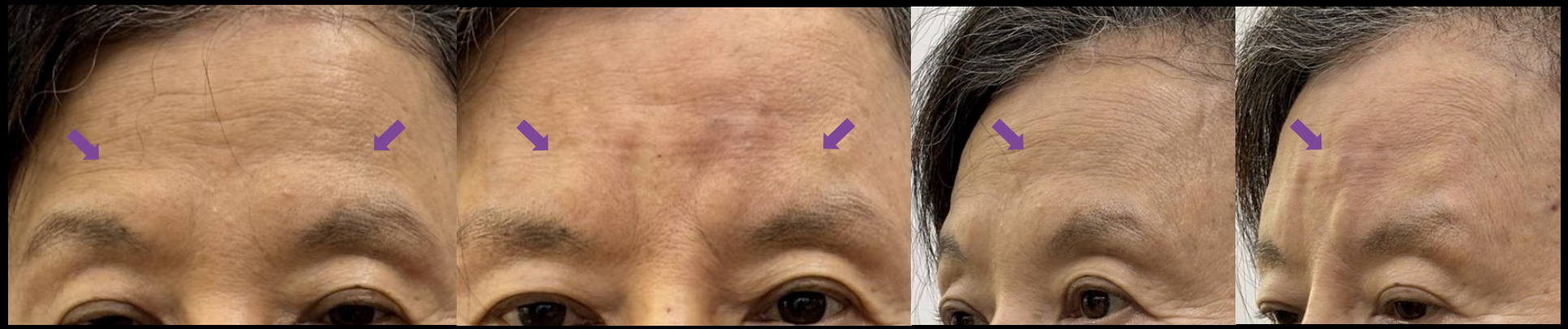


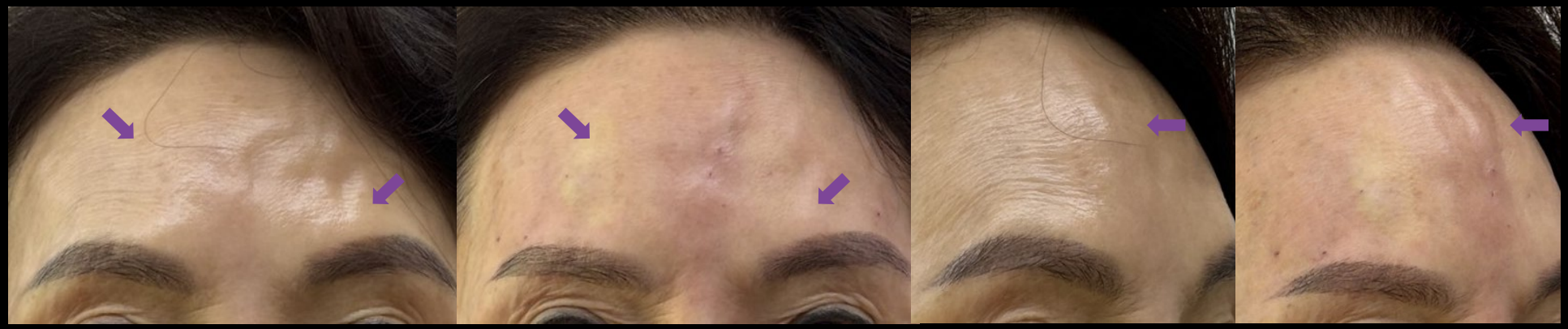


Forehead contour



Forehead contour

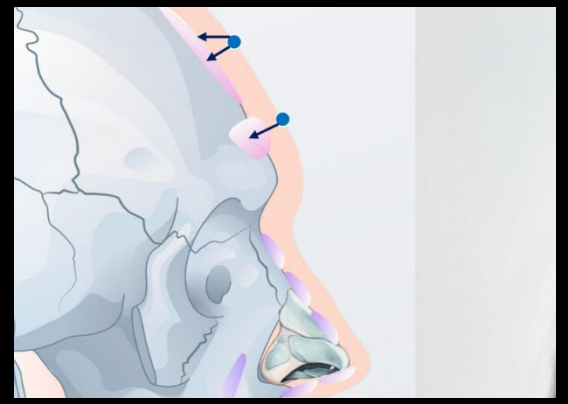


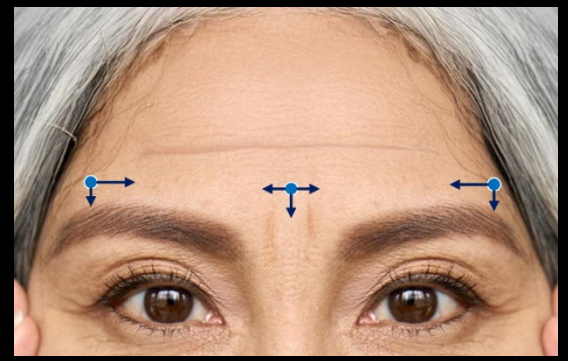


Application sites

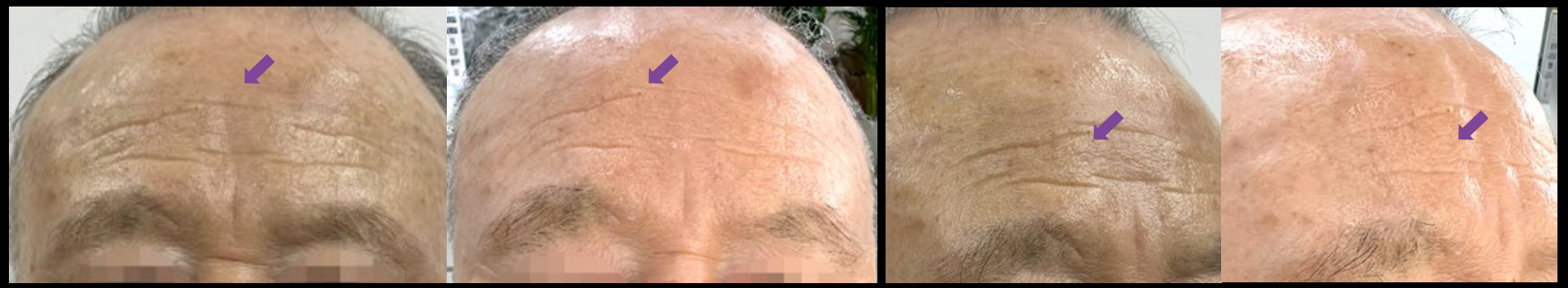
High

- **Forehead**





Frown line & Procerus



Application sites

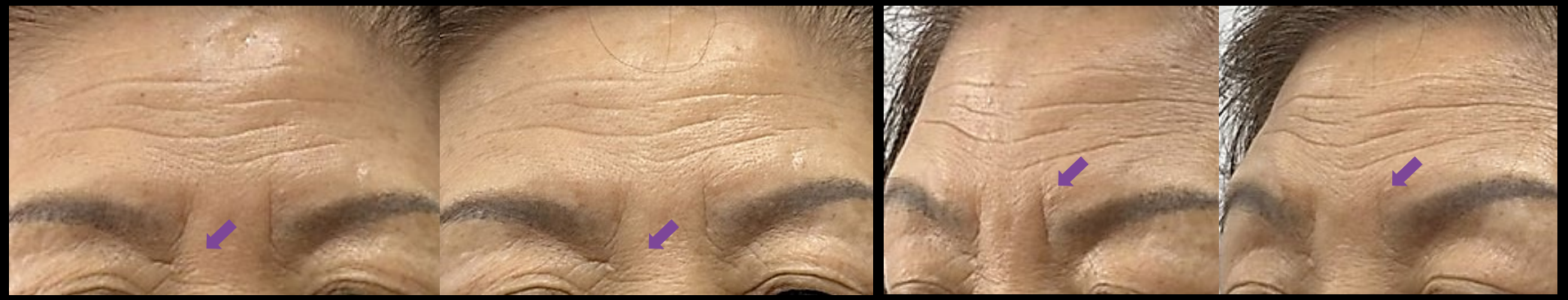
High

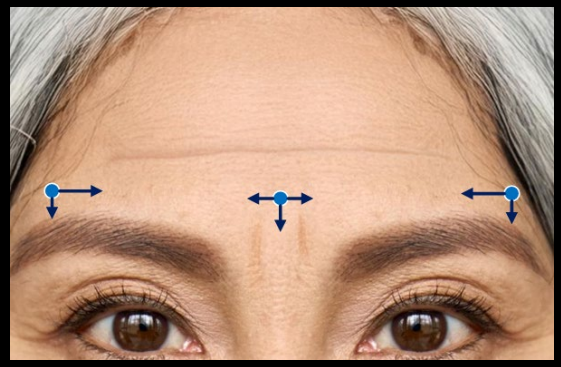
- Frown line

Application sites

Toxin

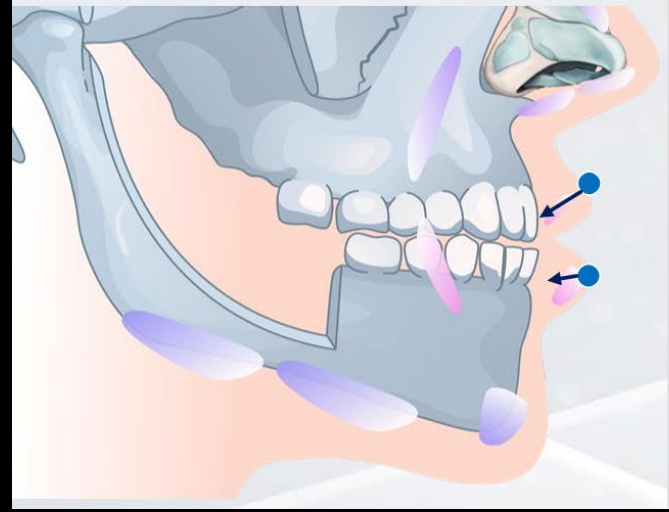
- Frown line





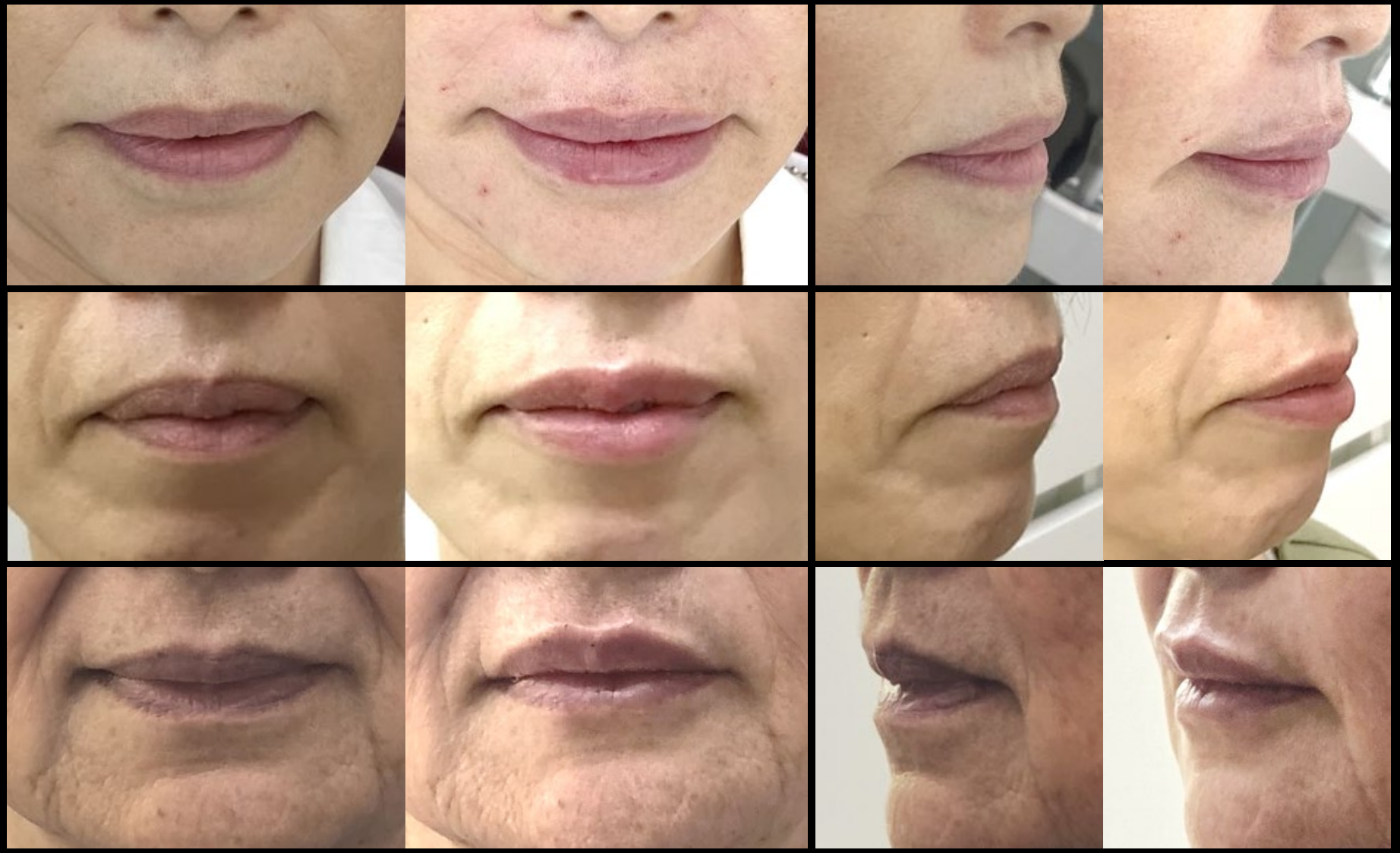
Labial contour

LIP



Labial contour

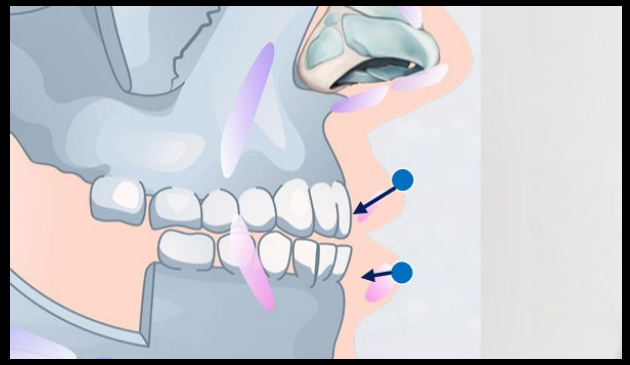
Dentium

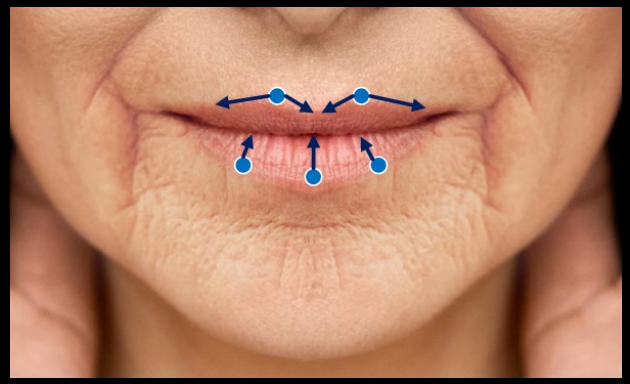


Application sites

Rose ⬋

- **Lip**



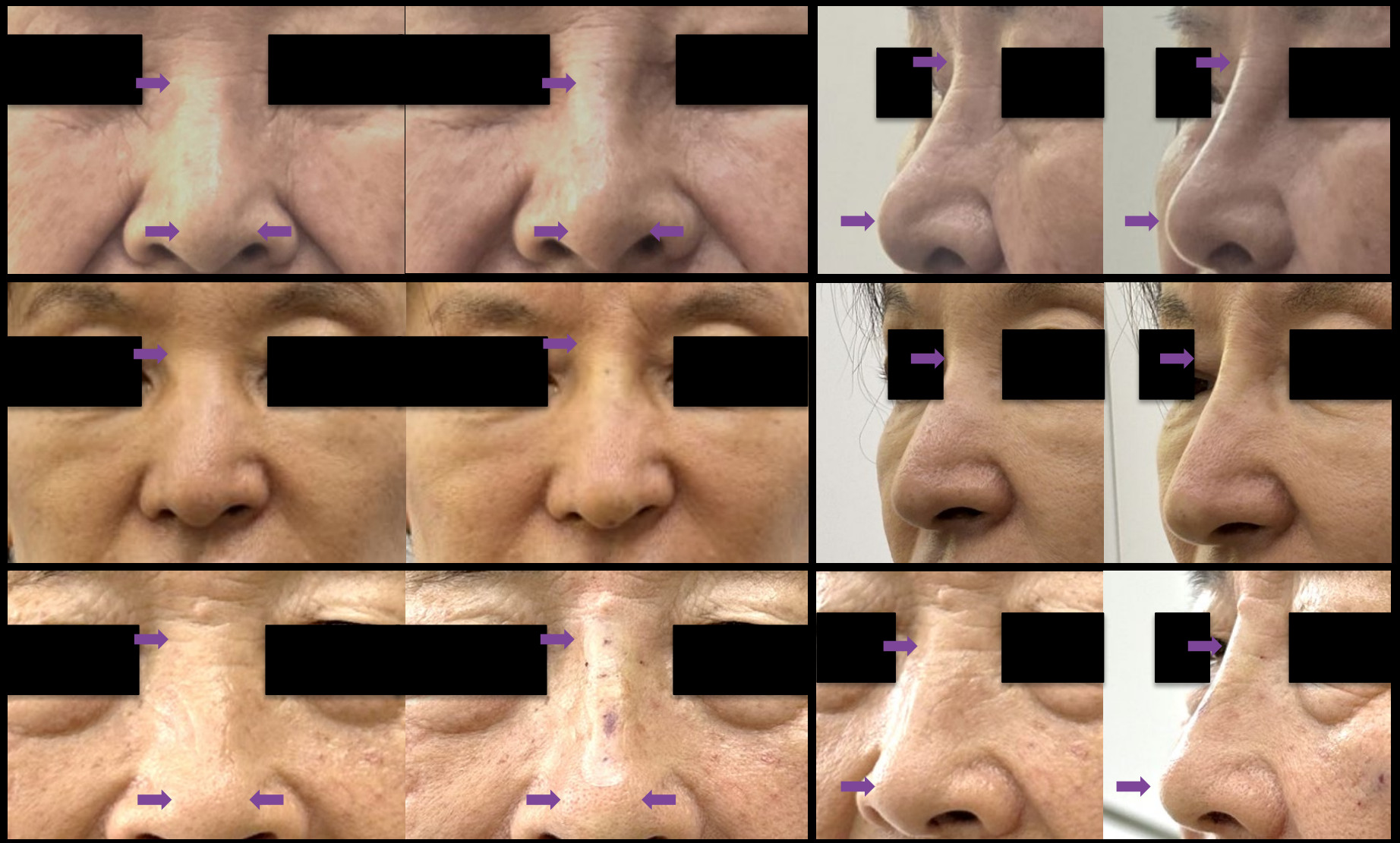


Nasal contour

Dentium

NOSE

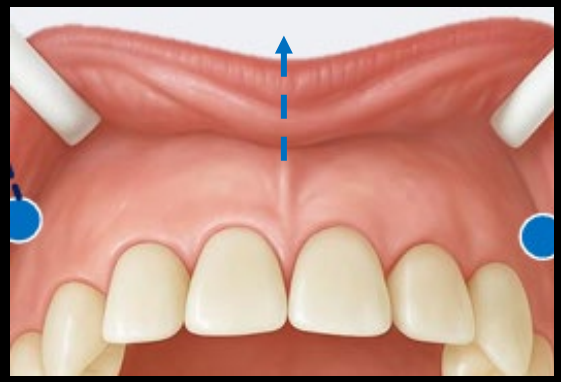
Nasal contour

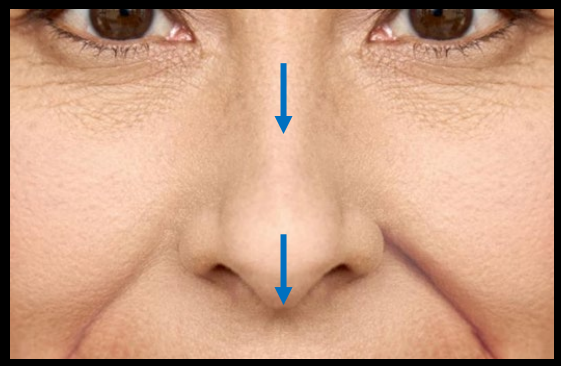


Application sites

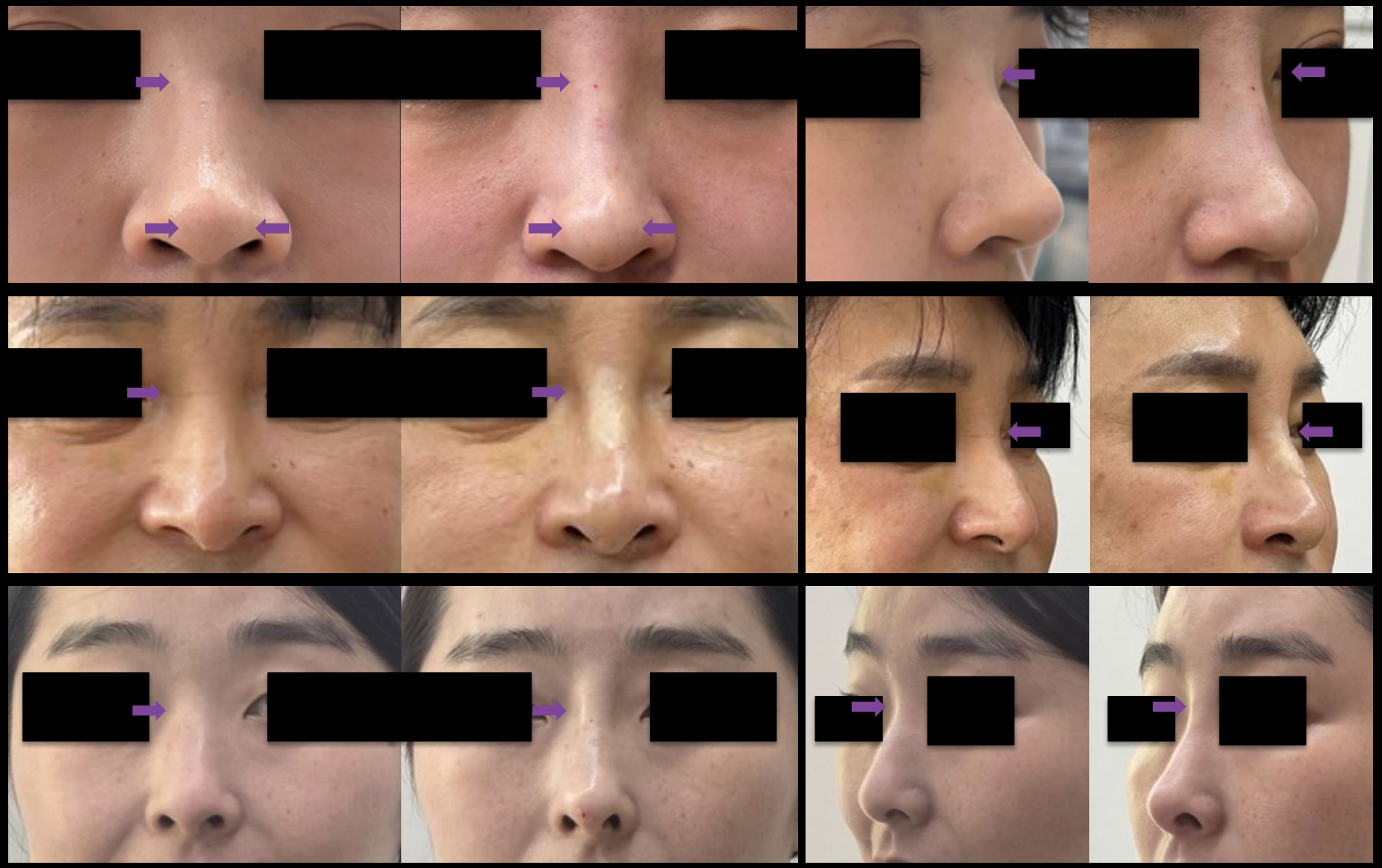
High ↙

- **Dorsum**
- **Nose tip**





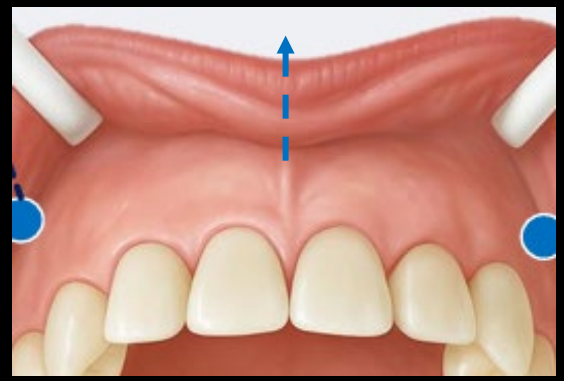
Nasal contour

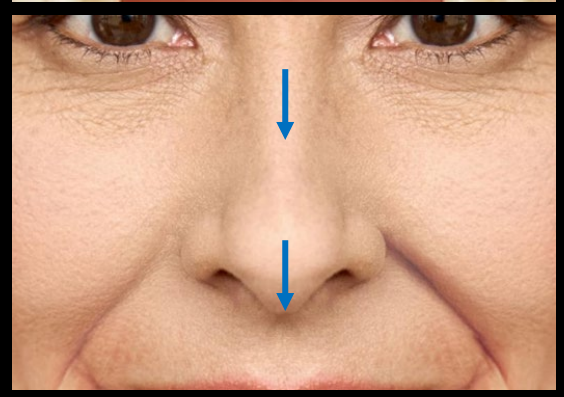


Application sites

High ↙

- **Dorsum**
- **Nose tip**





Hyaluronic Acid Dermal Filler with Lidocaine

MONALISA

Hyalase test for resorption

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