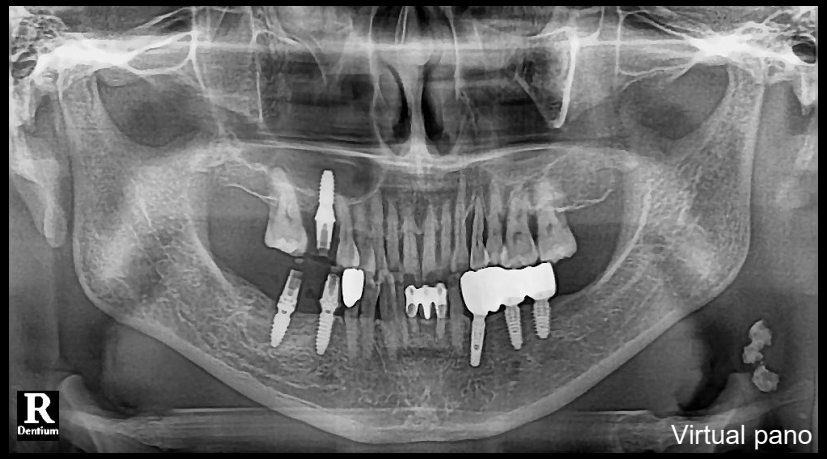
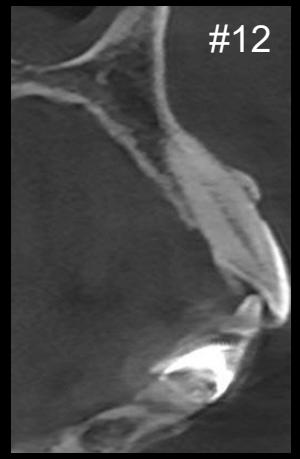
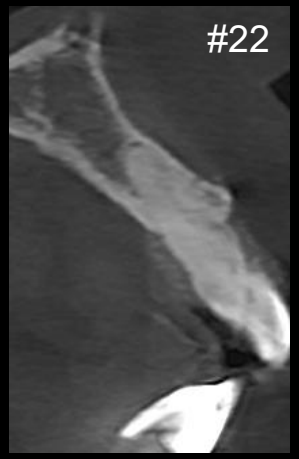
Monthly Surgery Video

Correction of Anterior Protrusion with bright Tissue Level Implant







Dr. SM Chung

2026.11.06 (Fri)

This Month’s Surgery

Patient Information

Age / Sex : 56y/ F

Chief Complaint

: My front teeth are sometimes sensitive, and I would like to improve my facial profile due to protrusion.

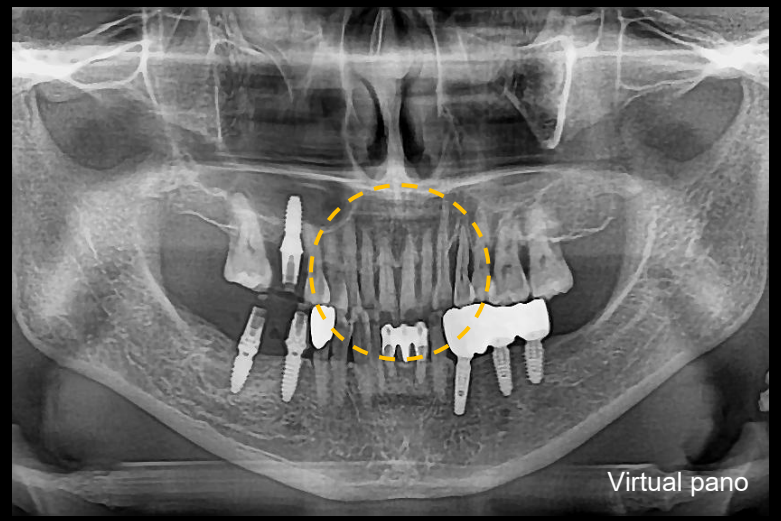
Past Dental History

: Implants placed at #34, #36, and #37 with a final prosthesis.

Implants placed at #16, #46, and #47 with provisional restorations.

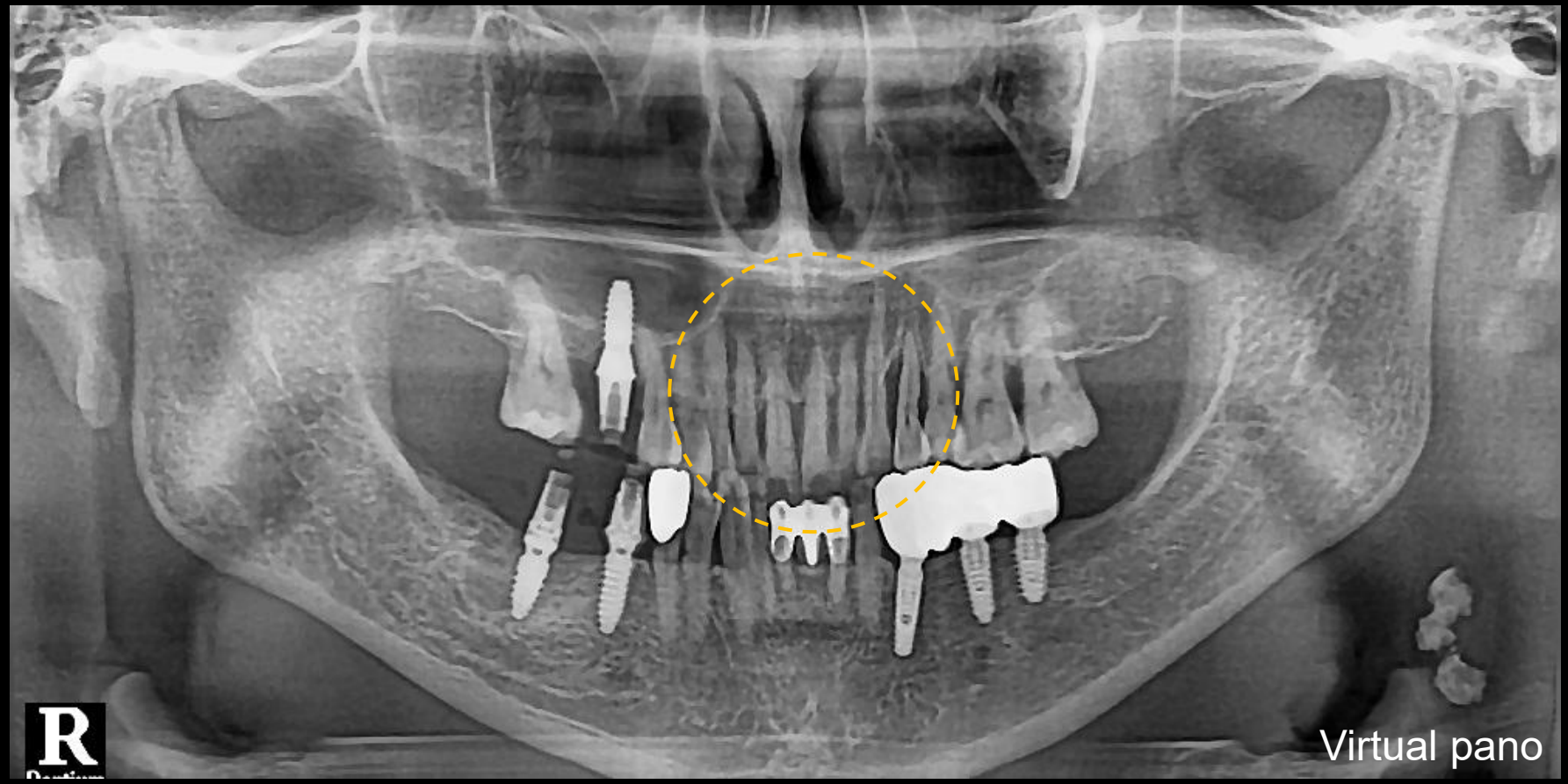
Past Medical History

: No significant medical history relevant to dental treatment

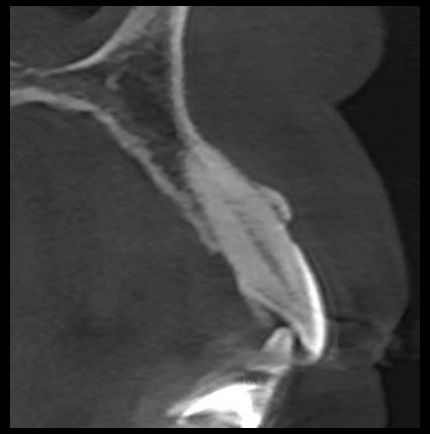


Pre-op

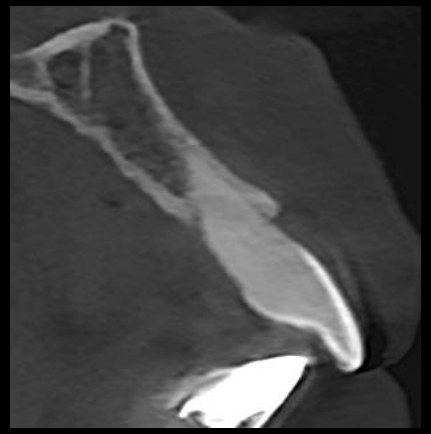
Pre-op PA



Pre-op CT



#12



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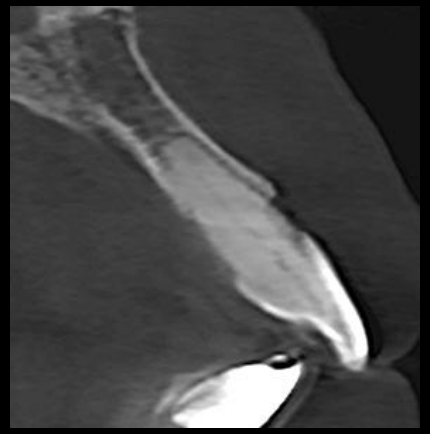
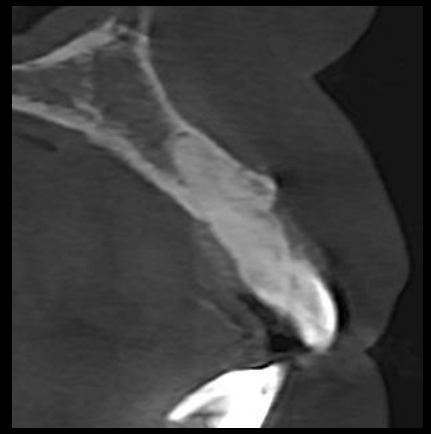


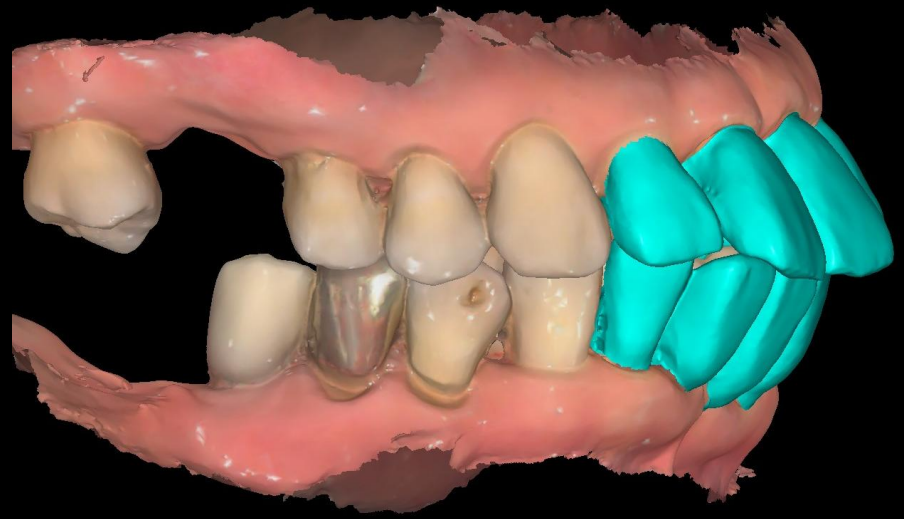
#21

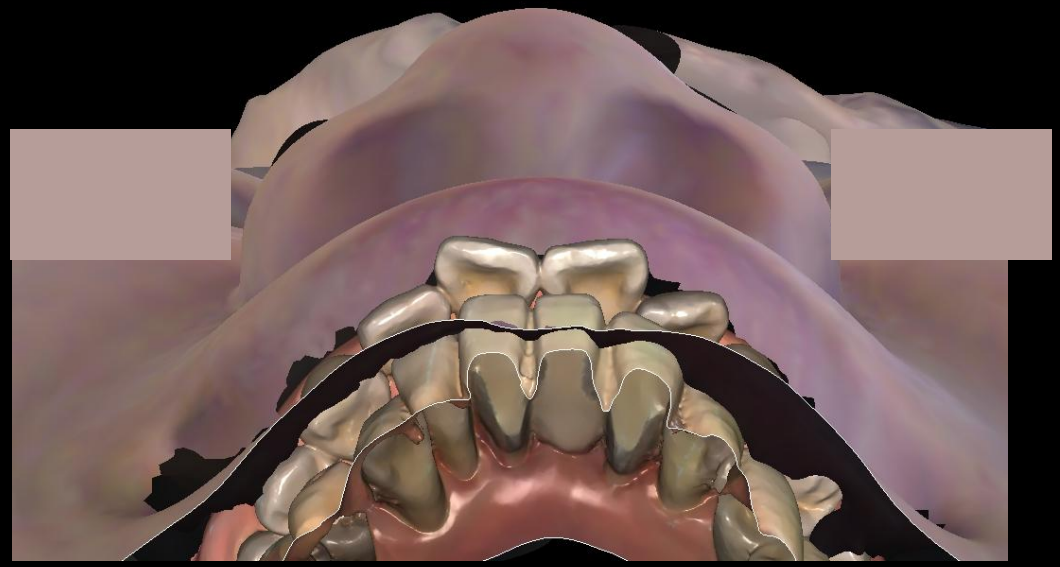


#22

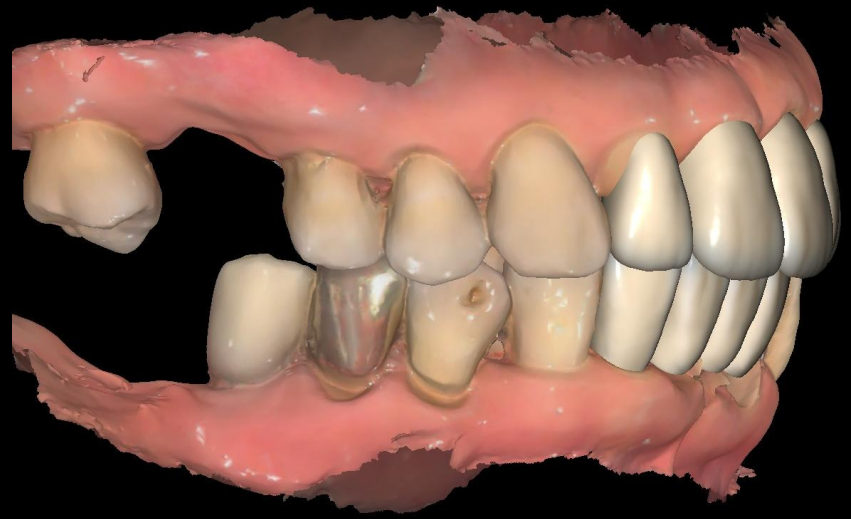
#23

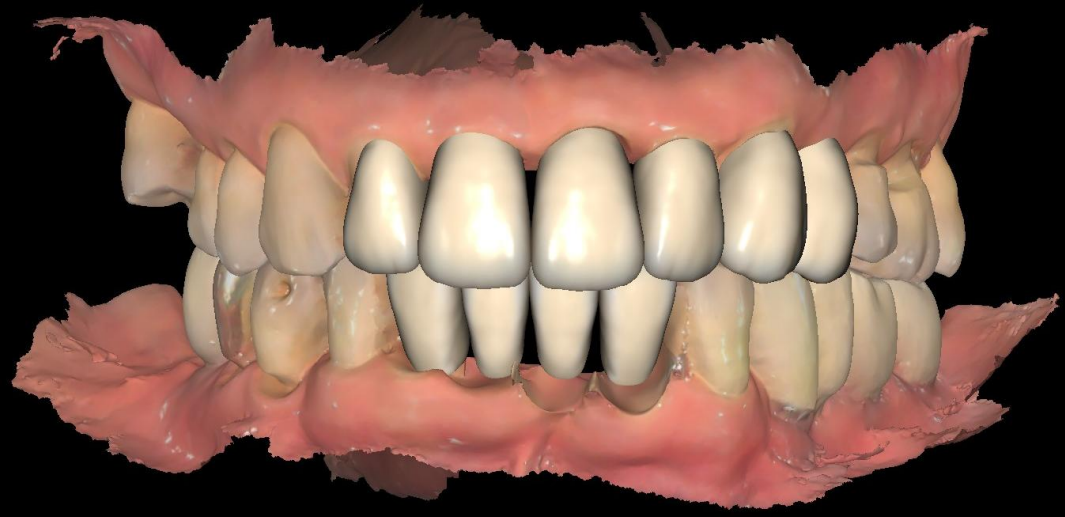
Pre-op intraoral scan



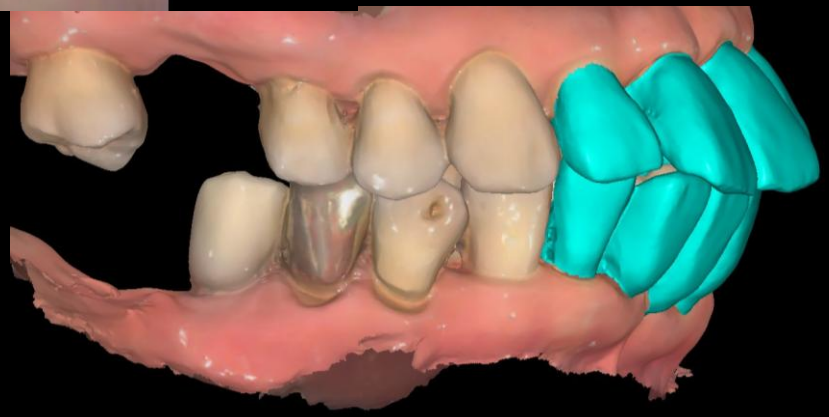


Virtual setup

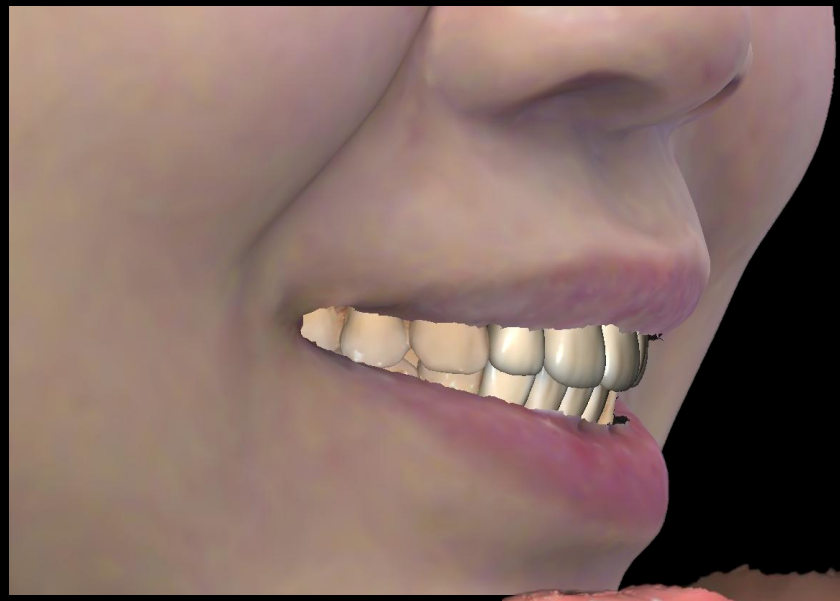


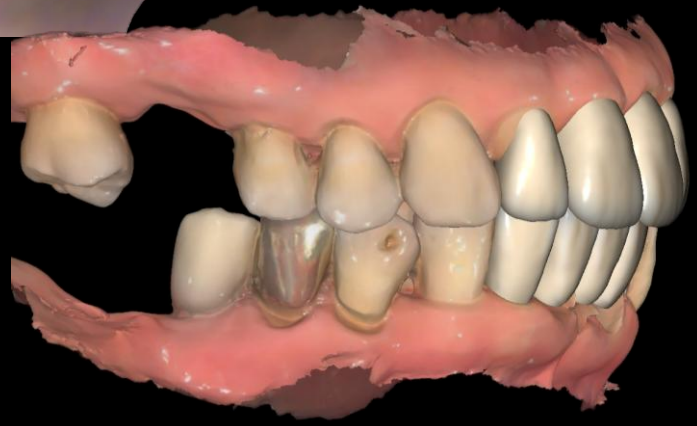


Virtual setup



Pre-op



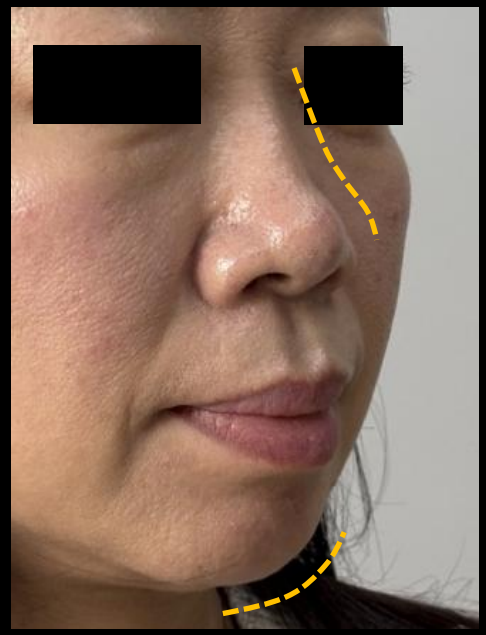


Virtual Treatment Simulation

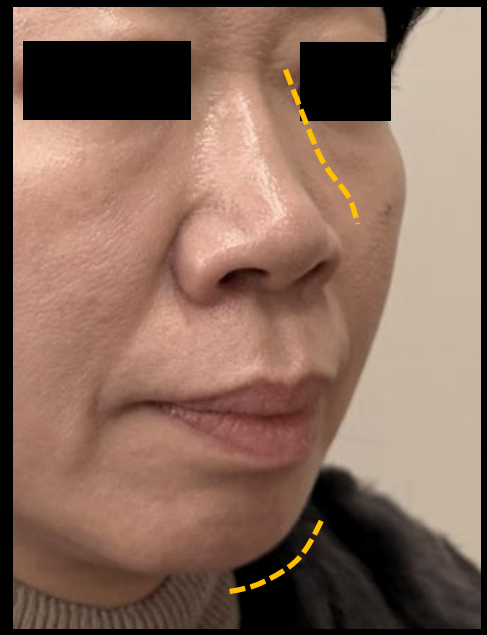
Previous filler treatment history

Before

After



2W After

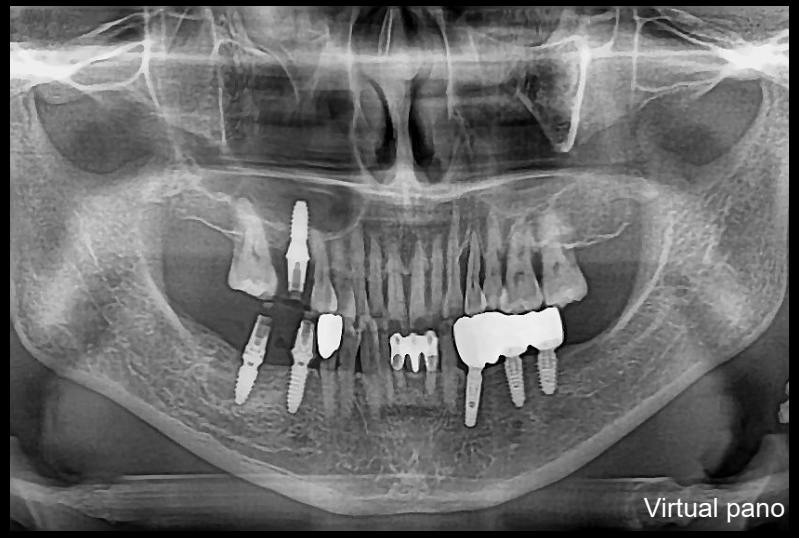


9M After

Pre-op Profile

10M After

Surgery Plan (#12, 22, 23)

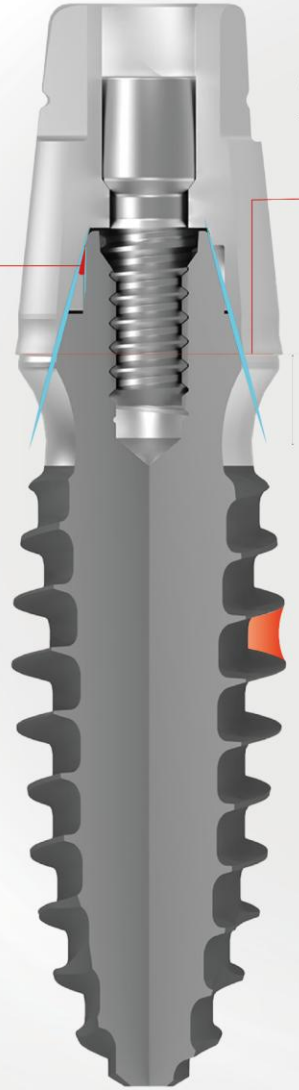


- Protrusion correction → Extraction & implant placement due to poor periodontal condition unsuitable for orthodontic treatment
- Extraction of #12–24 → bright TL placement at #12, 22 (Ø3.0 × 13.0) & #23 (Ø3.5 × 13.0)
- Immediate placement of 13 mm implants was chosen for initial stability and early loading
- Bone & soft tissue grafting: OSTEON™ Xeno + Collagen Graft x1D
- Maxillary surgery only presented (mandibular anterior surgery omitted due to time constraints)

Tissue Level bright Implant

20° External Taper with External Hex Connection
for enhanced prosthetic stability

20°



One Platform, One Prosthetic Connection
for restorations from anterior to posterior regions

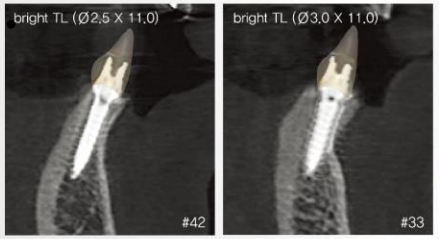
Ø3.8mm

1.5mm G/H
Under-contoured Design
to support optimal soft tissue contouring

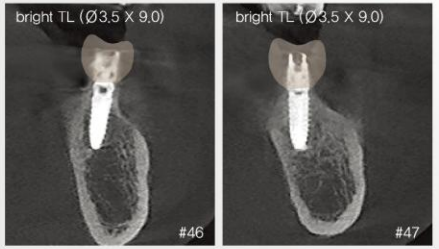
Thin and Deep Thread Design
Maximizes contact with cancellous bone
for increased long-term stability

Dome Shaped Body
Enhances Primary Stability
Better BIC on Cancellous Bone
Marginal Bone Preservation

bright TL implants provide multiple clinical benefits, enabling safe, predictable, and minimally invasive treatment

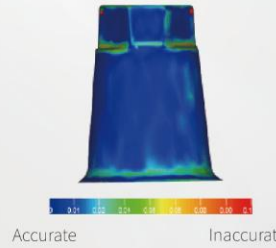


Ø2.0, 2.5, 3.0 Fixtures
➡ suitable for placement in narrow anterior ridges



Ø3.5
➡ Provide reliable solutions even in posterior regions

Simple but Versatile - Multifunctional Abutment



Accurate stitching

3-side step design

Digital Abutment
From healing to final prosthesis, with only one abutment

Ti-Base
Open-type design for anterior region
with up to 25° angulation compensation

OSTEON™ Xeno

Only Bovine Cancellous Bone (100% HA)

OSTEON™ Xeno is chemically and structurally comparable to mineralized human bone

Only cancellous bone (Without cortical bone)
- Highly interconnected macro-/micropores
- Enables efficient absorption of blood, nutrients, and growth factors

Strict quality control
- Bovine bone from 6-month-old cattle
- Complete removal of organic substances

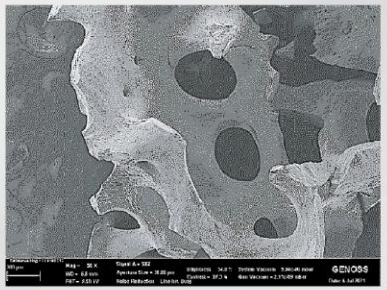
Indications

- Alveolar ridge preservation
- Extraction site & Osteotomy
- Horizontal & Vertical bone augmentation
- Periodontal defects

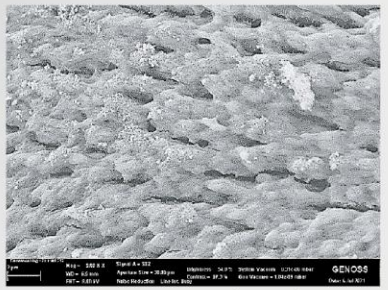
Excellent wettability

OSTEON™ Xeno surface structure

Macropore (OM)



Macropore (x50)



Macropore (x1000)

Collagen Graft x1D

Highly Pure Type I Collagen (Porous 80-90% + Dense 10-20%)

Promotes rapid vascularization and epithelization ➡ Enhances soft-tissue volume

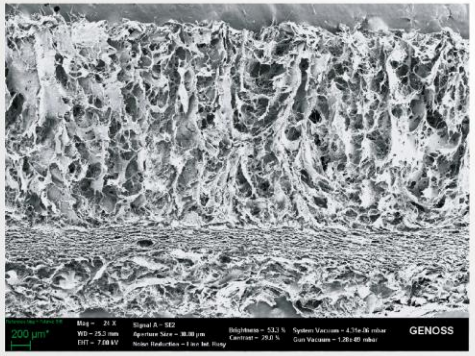
Characteristics

- Highly pure Type I collagen derived from porcine tendon
- A dense structure provides stability while allowing open healing.
- A porous layer structure supports blood clot stabilization and ingrowth of soft tissue cells.

Indications

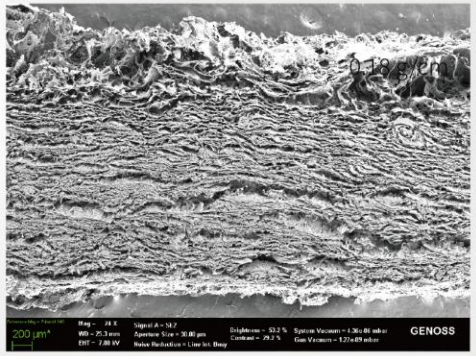
- Ridge preservation (Open healing)
- Soft tissue augmentation
- Recovery of keratinized mucosa
- FGG alternative (Apically Positioned Flap)
- Root coverage

Collagen Graft x1D

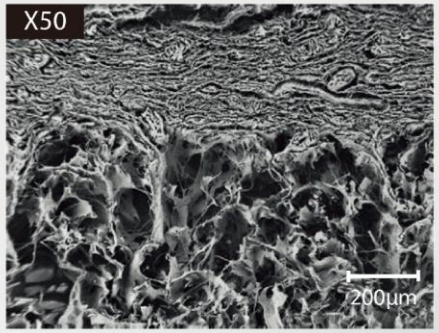


Collagen density : 0.08 g/cm³

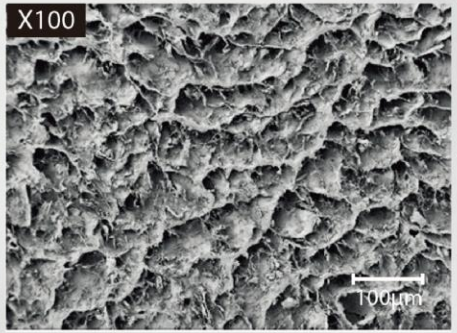
Collagen Graft x2D



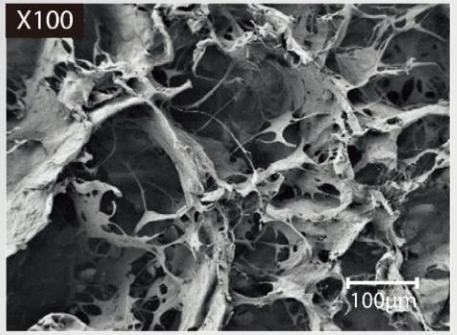
0.18 g/cm³



Cross section



Dense layer



Porous layer