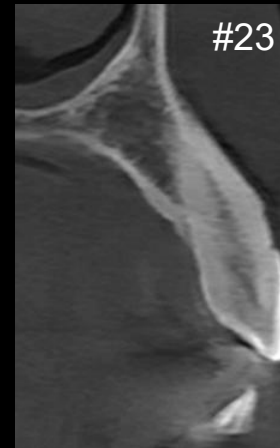
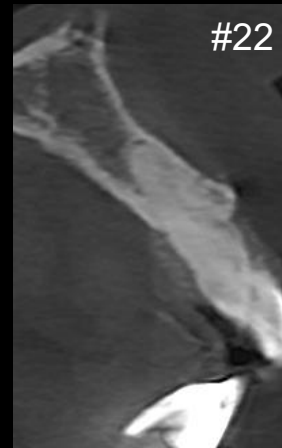
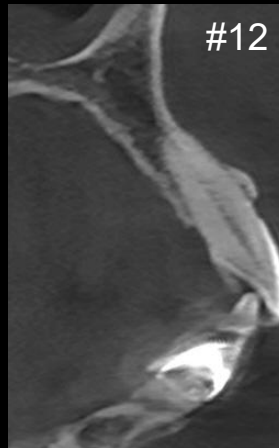
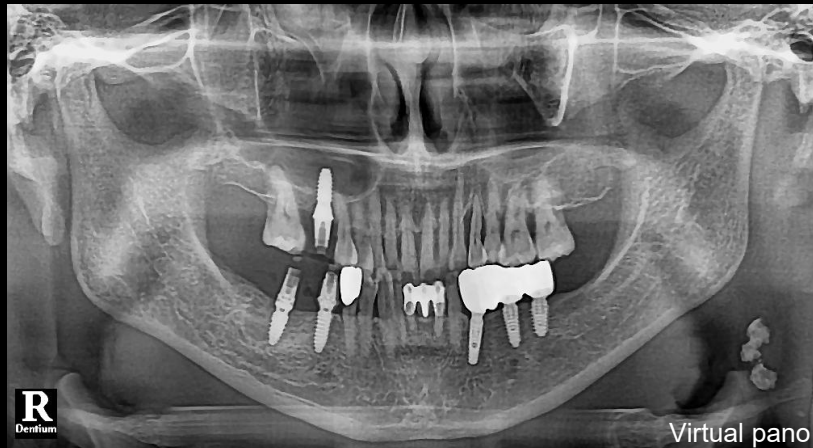


Correction of Anterior Protrusion with bright Tissue Level Implant



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.

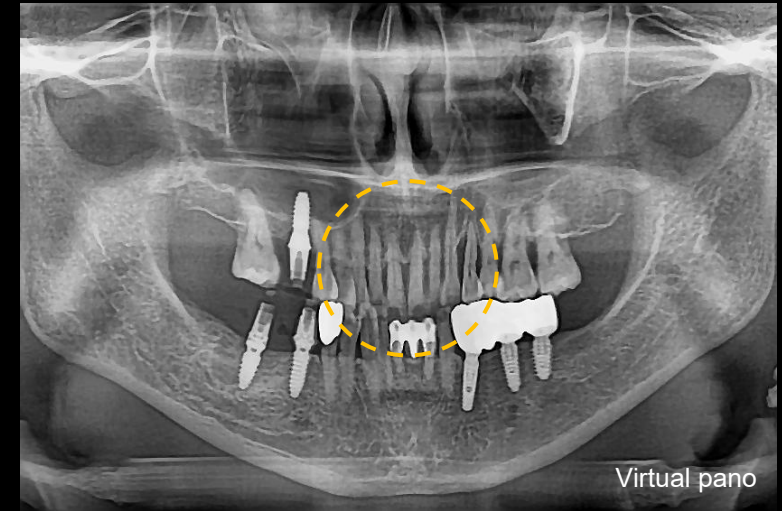
Past Dental History

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

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

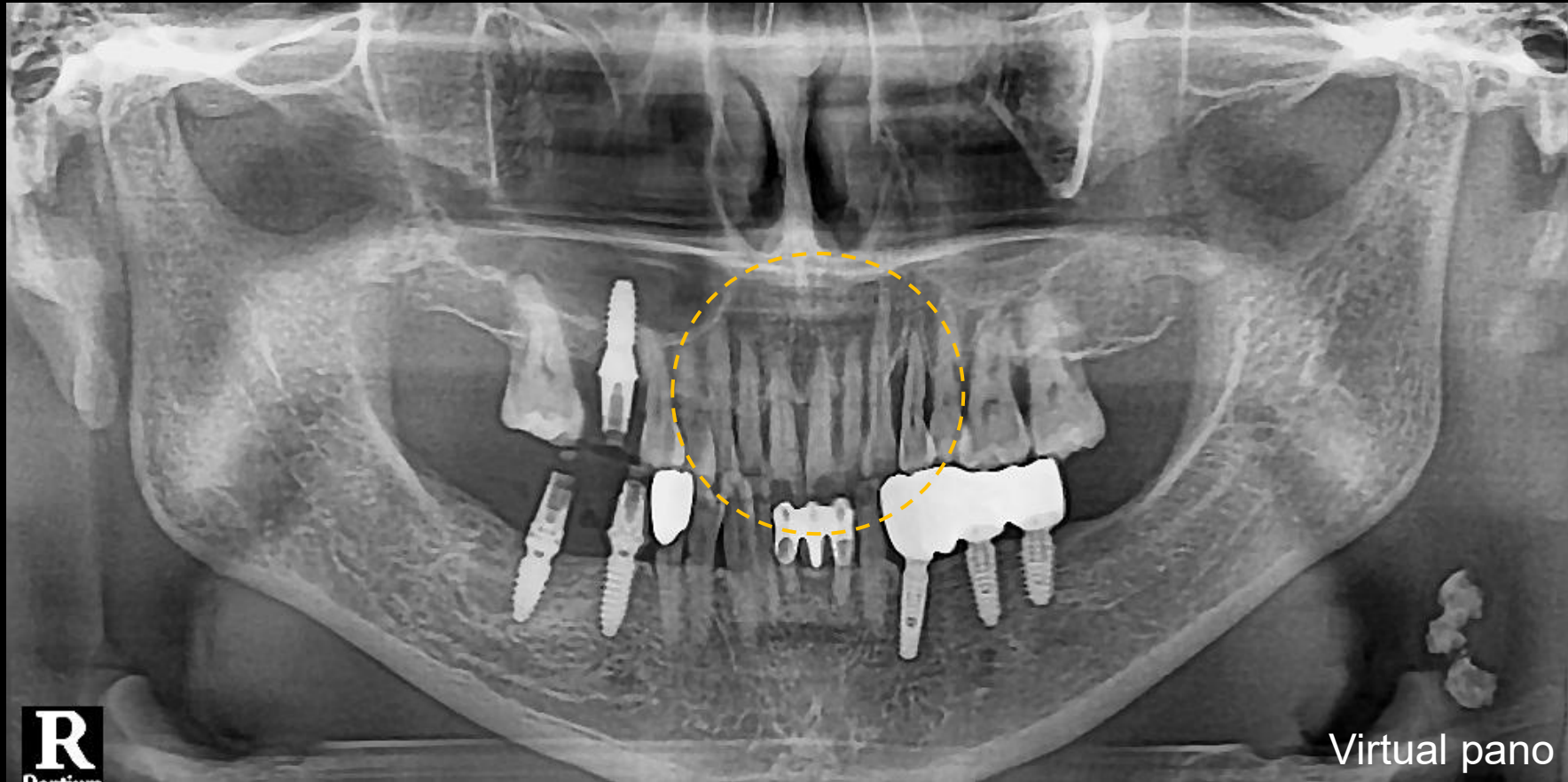
Past Medical History

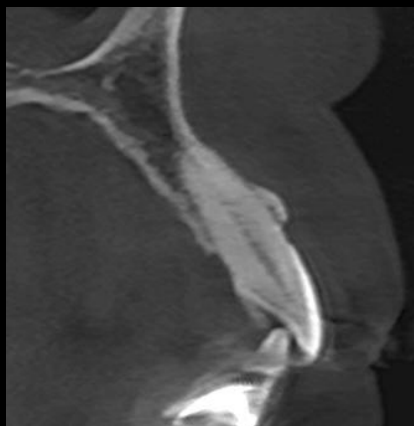
: No significant medical history relevant to dental treatment



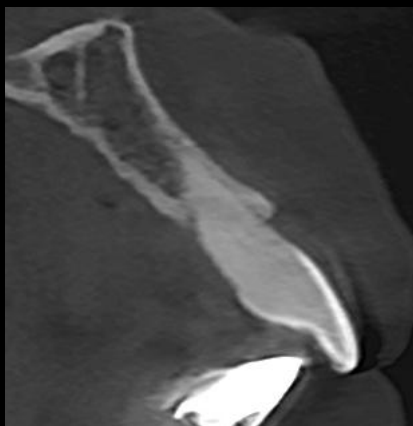
Pre-op







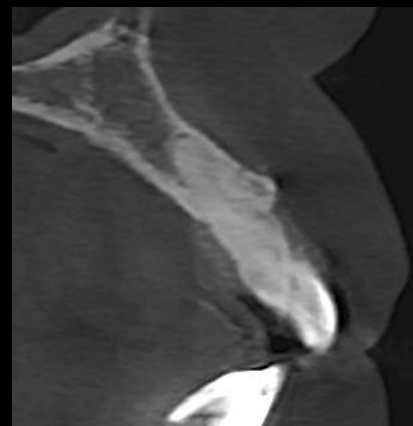
#12



#11



#21

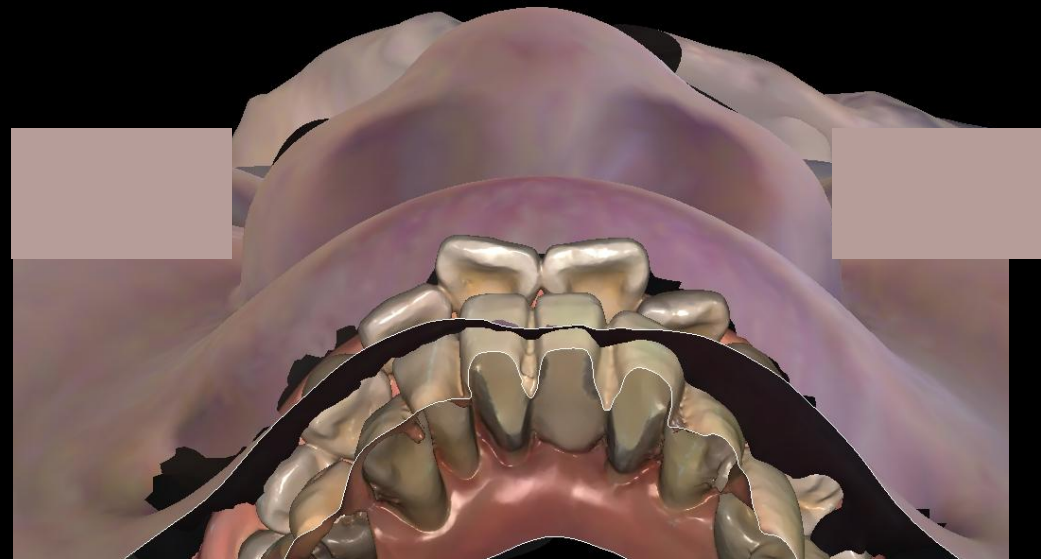
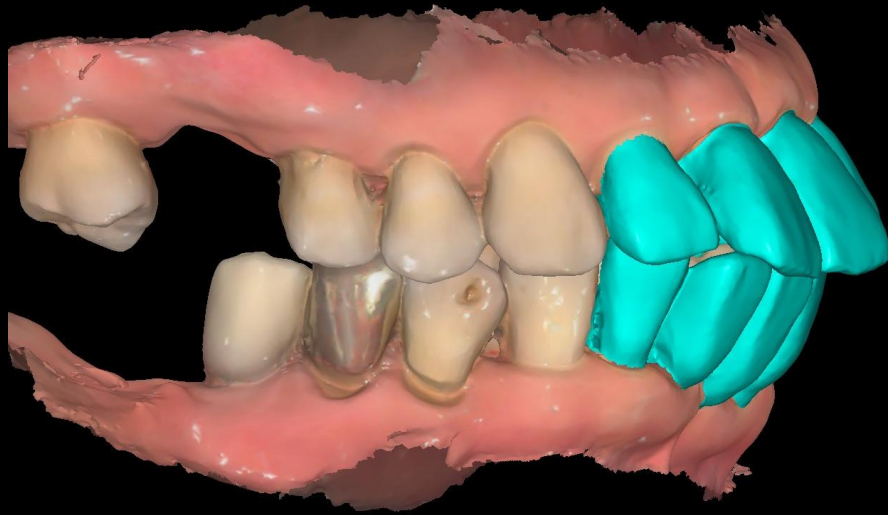


#22

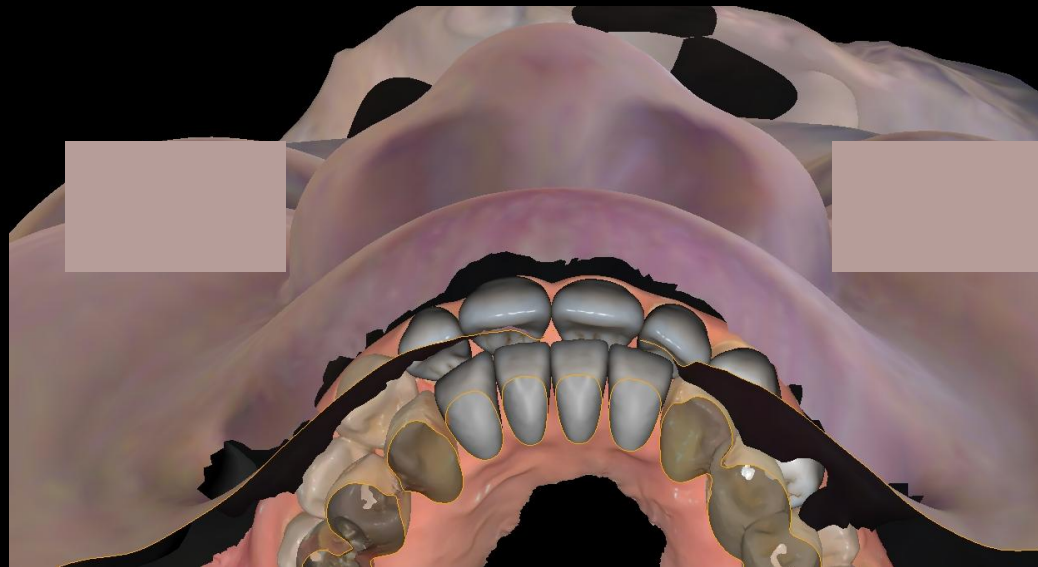
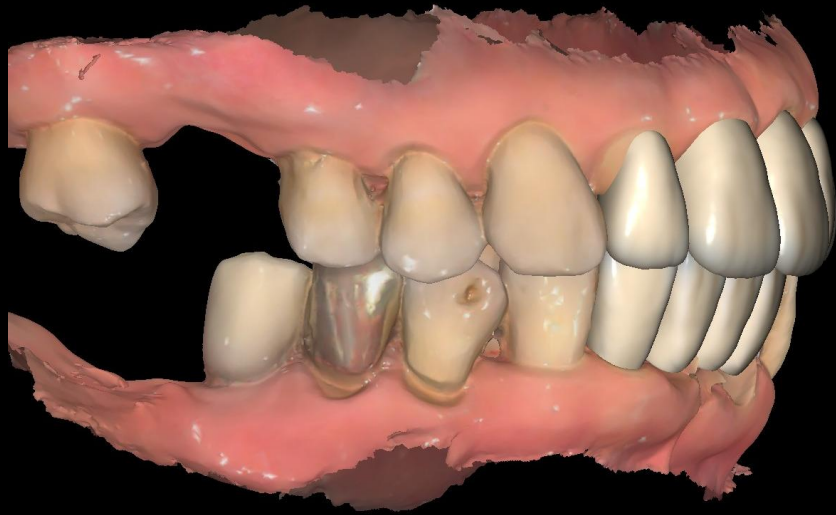


#23

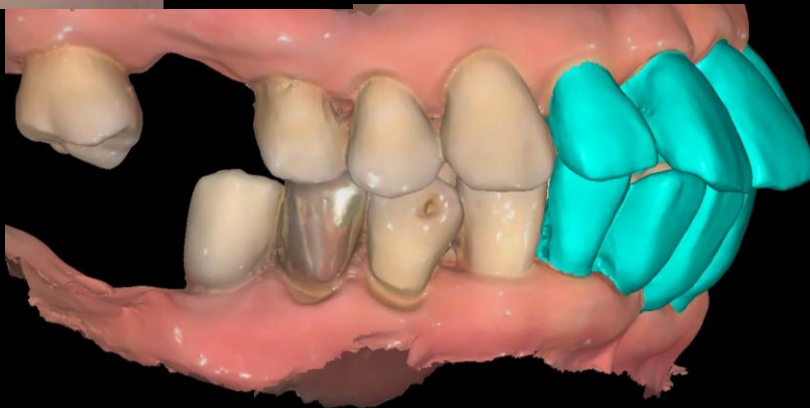
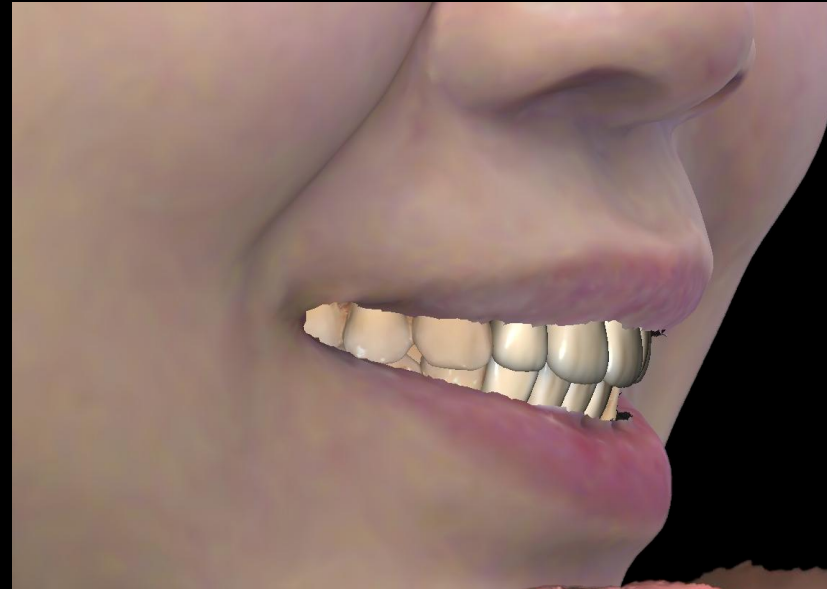
Pre-op intraoral scan



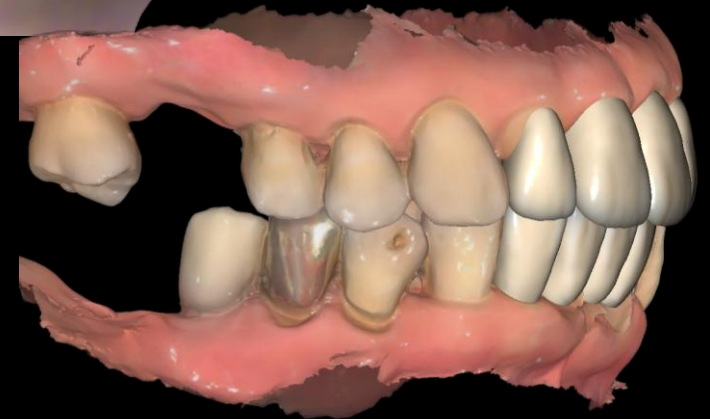
Virtual setup



Virtual setup



Pre-op



Virtual Treatment Simulation

Previous filler treatment history



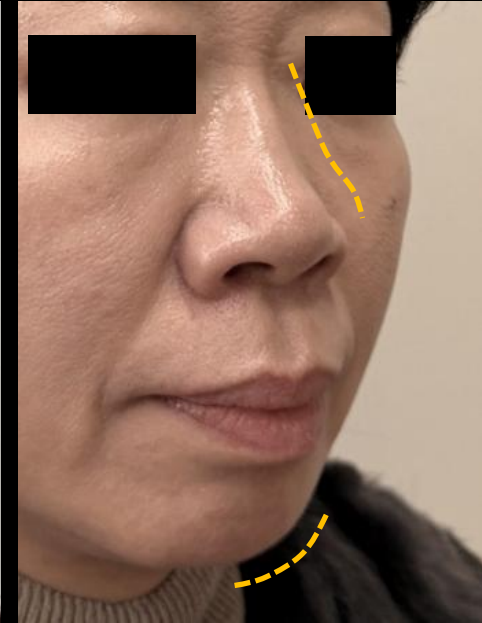
Before



After



2W After



9M After



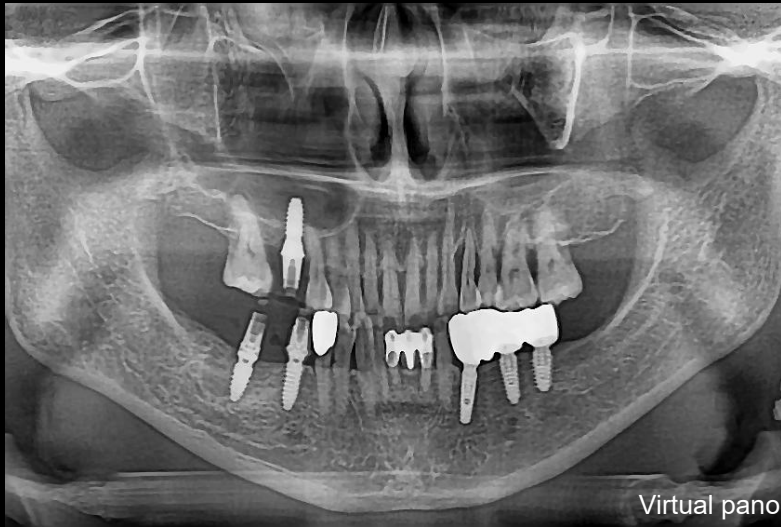
Pre-op Profile



10M After



Surgery Plan (#12, 22, 23, 32, 42)



- Protrusion correction → Extraction & implant placement due to poor periodontal condition unsuitable for orthodontic treatment
- Extraction of #12–24 → **bright TL** placement at #12, 22 ($\text{Ø}3.0 \times 13.0$) & #23 ($\text{Ø}3.5 \times 13.0$)
- 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



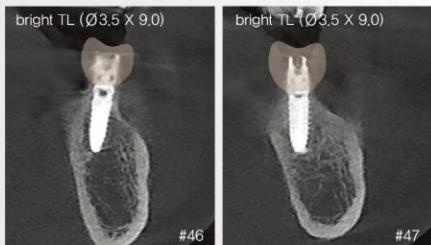
Dome Shaped Body
Enhances Primary Stability
Better BIC on Cancellous Bone
Marginal Bone Preservation



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

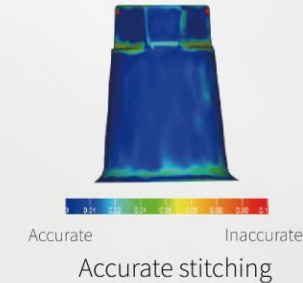


Ø2.0, 2.5, 3.0 Fixtures
→ suitable for placement in narrow anterior ridges



Ø3.5
→ Provide reliable solutions even in posterior regions

Simple but Versatile - Multifunctional Abutment



3-side step design

Digital Abutment

From healing to final prosthesis, with only one abutment



Healing
Abutment

Impression
Coping

Scan
Body

Permanent
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

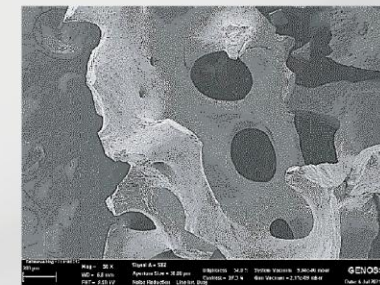
- Alveolar ridge preservation
- Extraction site & Osteotomy
- Horizontal & Vertical bone augmentation
- Periodontal defects



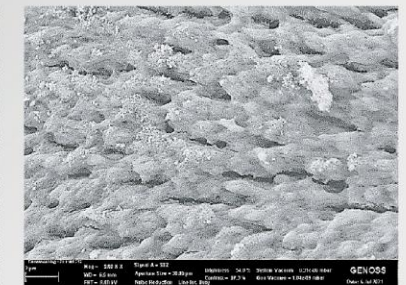
OSTEON™ Xeno surface structure



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

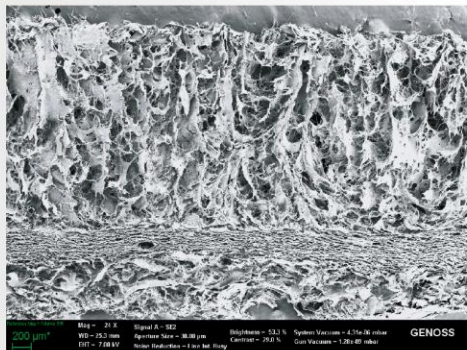
- Highly pure Type I collagen derived from porcine tendon
- A dense structure provides stability while allowing open healing.
- A porous layer structure supports blood clot stabilization and ingrowth of soft tissue cells.

Indications

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

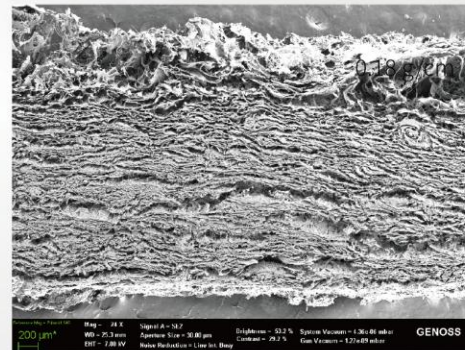


Collagen Graft x1D

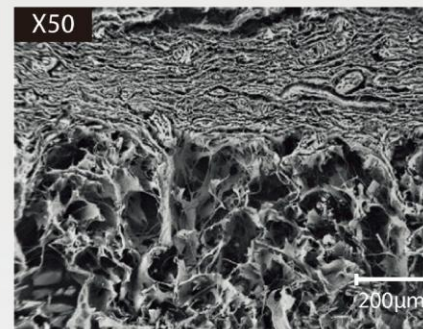


Collagen density : 0.08 g/cm³

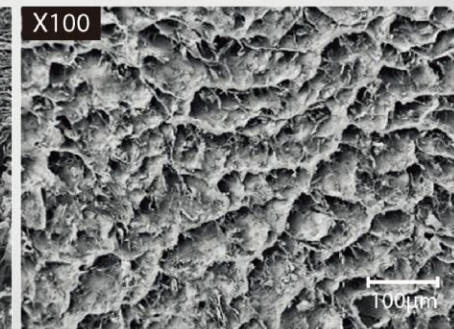
Collagen Graft x2D



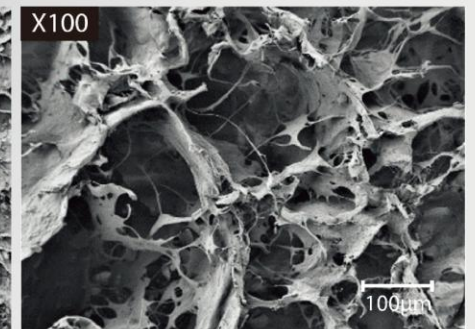
0.18 g/cm³



Cross section



Dense layer



Porous layer

