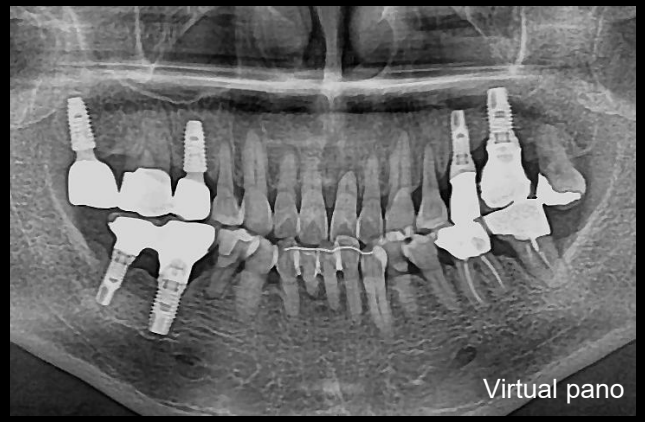
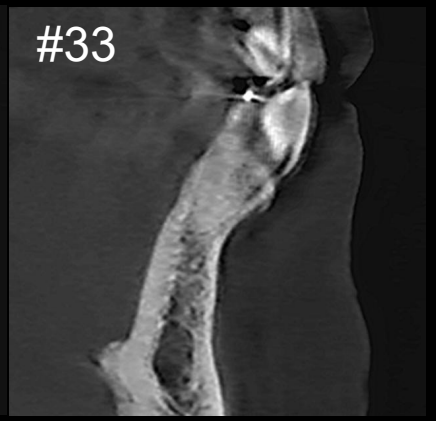
Monthly Surgery Video

Immediate Implantation with Open-Healing ARP on Lower Anterior





Dr. SM Chung

2026.04.03 (Fri)

This Month’s Surgery

Patient Information

Age / Sex : 72y/ F

Chief Complaint

: Mobility of lower anterior teeth; seeking orthodontic or prosthetic consultation

Past Dental History

: Implantation on #17,15,25,26,45,46.

Endodontic treatment on #36,37

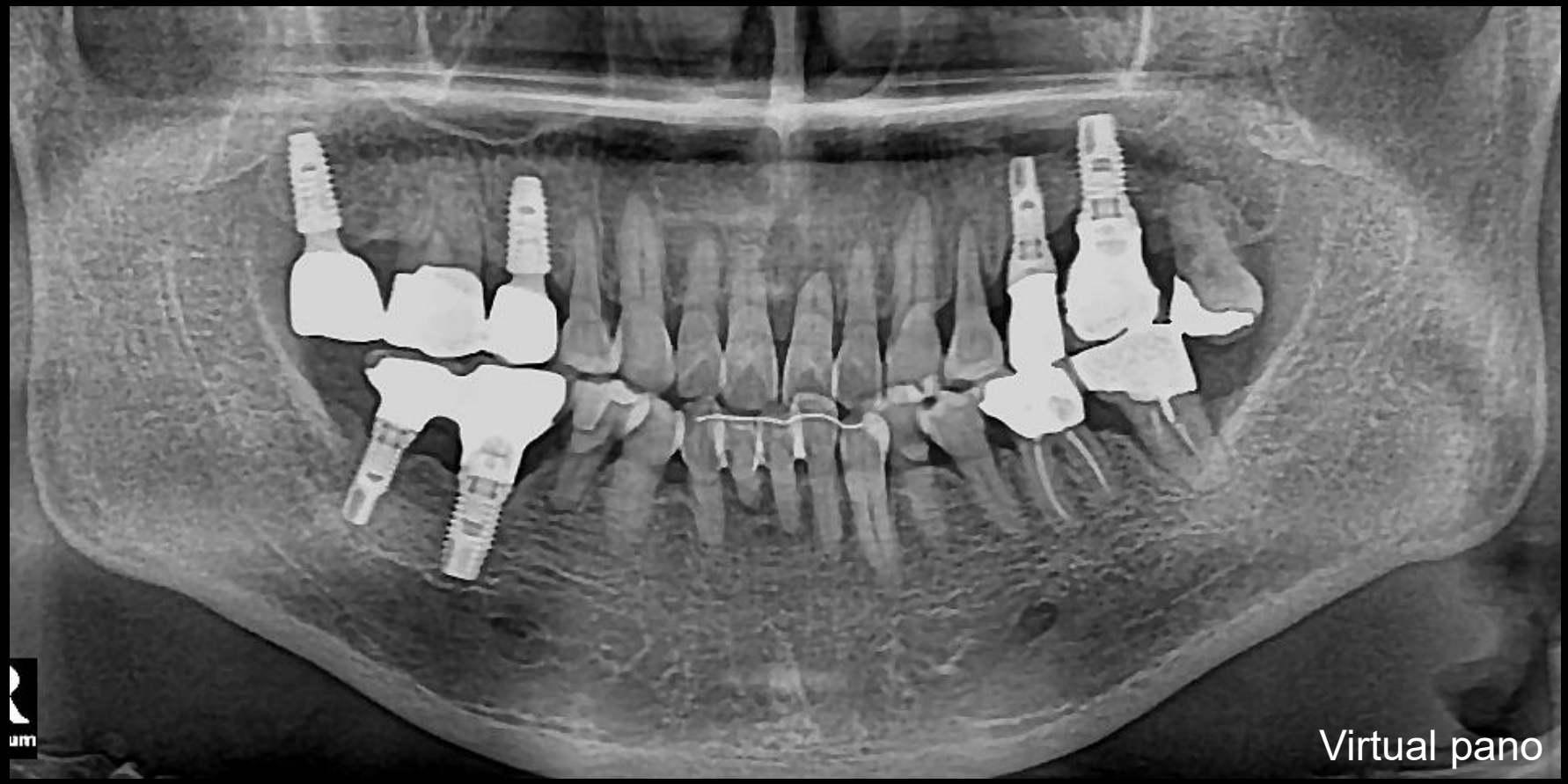
Fixed retainer in the mandibular anterior region following orthodontic treatment

Past Medical History

: No significant past medical history

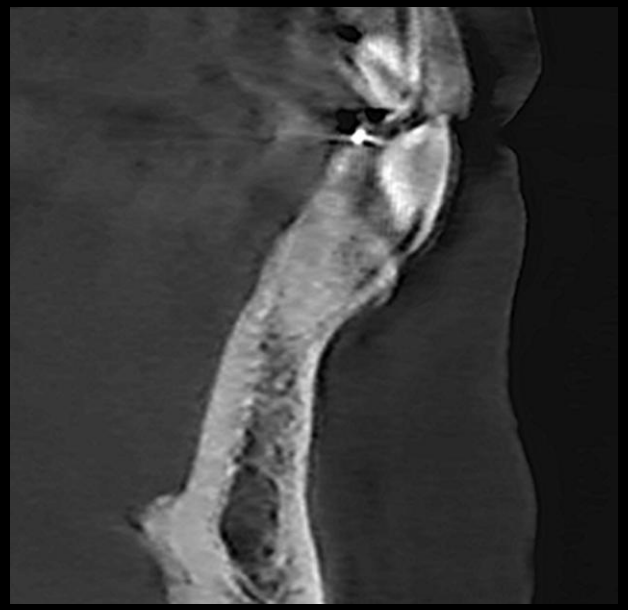
Pre-op

Pre-op PA



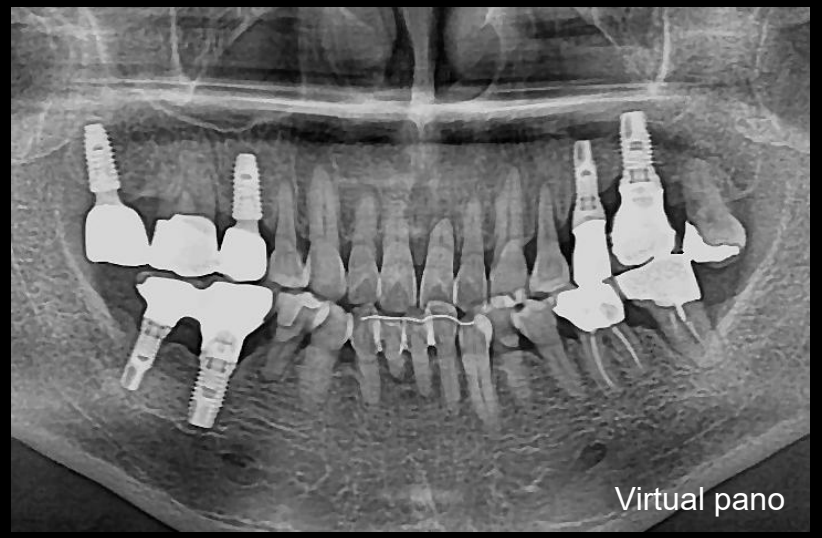
Pre-op CT

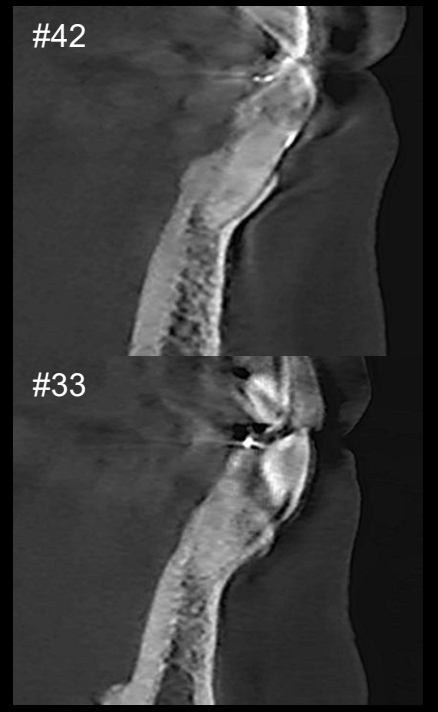
#42



#33

Surgery Plan (#42,33)



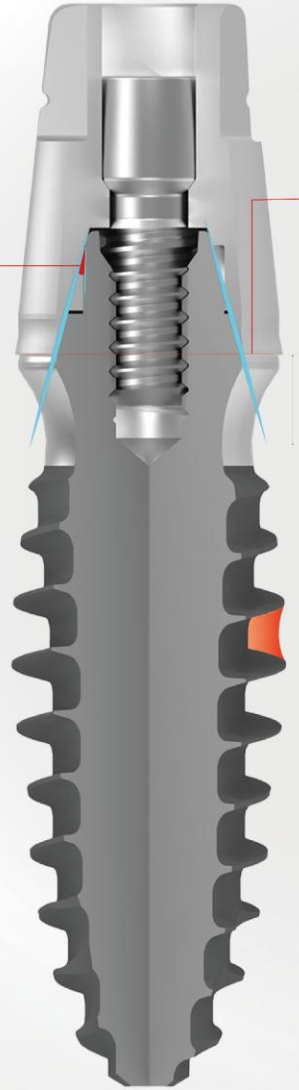


- Extraction of teeth #42,41,31,32,33
- Bone and soft tissue grafting using OSTEON™ Xeno and Collagen Graft x1D
- Implantation on #42 and #33 using bright Tissue Level (Ø3.0 X 11.0)

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

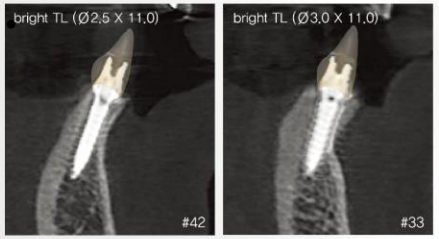
Ø3.8mm

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

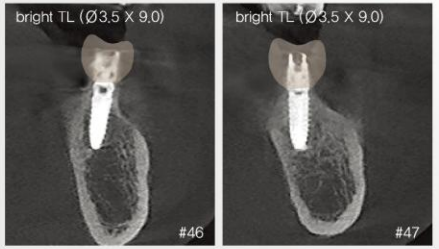
Thin and Deep Thread Design
Maximizes contact with cancellous bone
for increased long-term stability

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

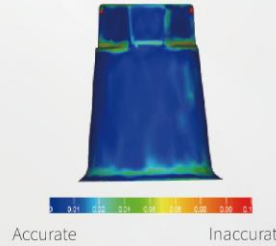


Ø2.0, 2.5, 3.0 Fixtures
➡ suitable for placement in narrow anterior ridges



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)

Osteoconductive bone graft material

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

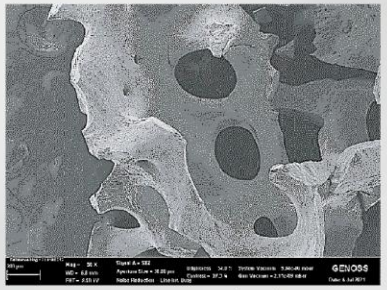
Indications

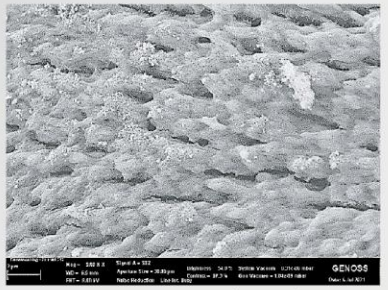
- Alveolar ridge preservation
- Extraction site & Osteotomy
- Horizontal & Vertical bone augmentation
- Periodontal defects

Excellent wettability

OSTEON™ Xeno surface structure


Macropore (OM)


Macropore (x50)


Macropore (x1000)

Collagen Graft x1D

Highly Pure Type I Collagen (Porcine tendon)

Promotes rapid vascularization and epithelization ➡ Enhances soft-tissue volume

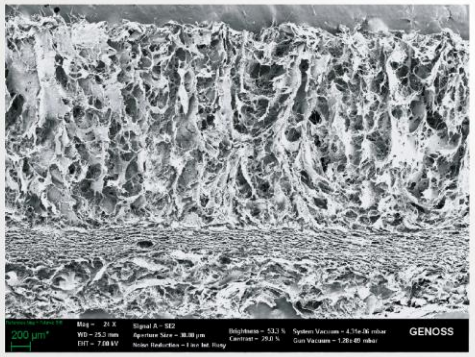
Characteristics

- Highly pure Type I collagen derived from porcine tendon
- Double-layer structure: dense + porous layer
- Fast soft tissue healing by epithelization

Indications

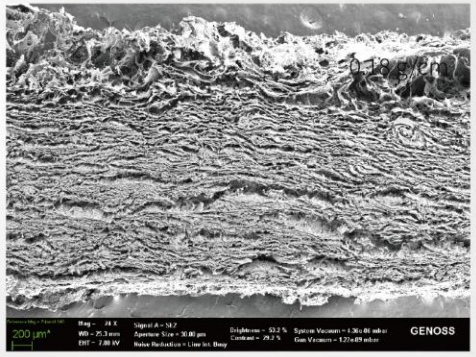
- Ridge preservation (Open healing)
- Soft tissue augmentation
- Recovery of keratinized mucosa
- FGG alternative (Apically Positioned Flap)
- Root coverage

Collagen Graft x1D

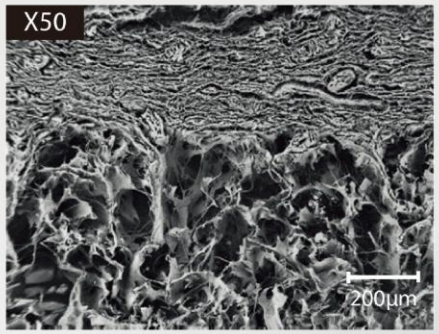


Collagen density : 0.08 g/cm³

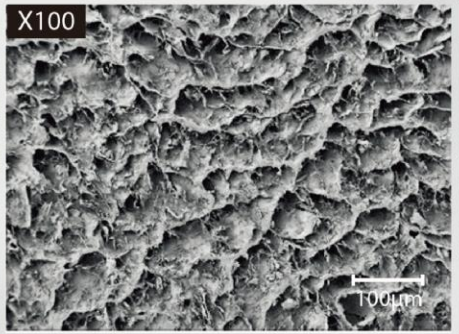
Collagen Graft x2D



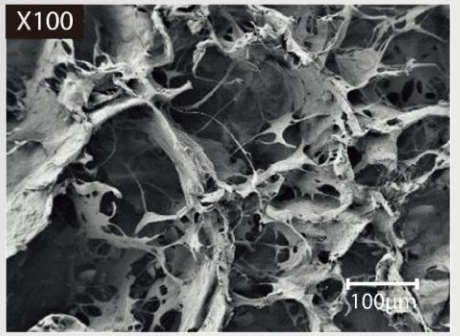
0.18 g/cm³



Cross section



Dense layer



Porous layer

Bright Oral-Pack

Non-eugenol Periodontal Wound Dressing

Key Benefits

Ready to Use Without Mixing

Apply directly for immediate use

Natural-Looking Post-operative Care

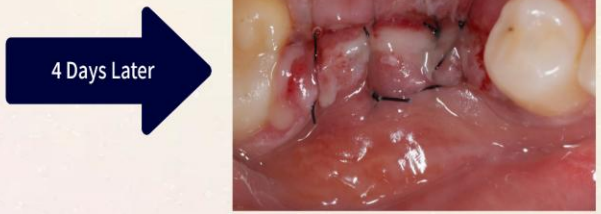
Gingiva-like color
Natural appearance immediately after the procedure

Stable Fixation

Strong adhesion even in moist conditions
Reduced detachment due to low expansion rate

Naturally Dissolvable in 3–4 Days

Water-soluble, biocompatible material
No removal required, ingestion safety confirmed



How to Use

- Apply a sufficient amount of water or vaseline to the gloves or instruments
- Spread it thinly, then gently press with wet fingertips

Tip : Using moist gauze can help achieve better adaptation and convenience

Indications

- Periodontal and flap surgery wound protection
- Implant surgical site protection
- Post-operative care after bone grafting and GBR
- Protection of sutured area