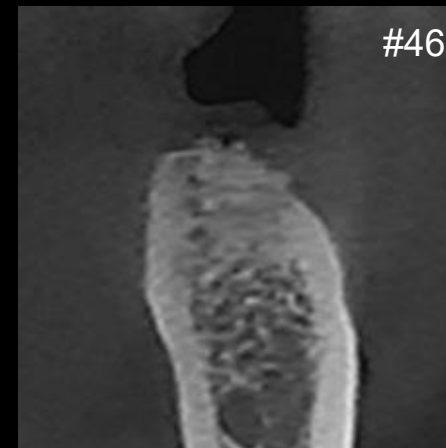
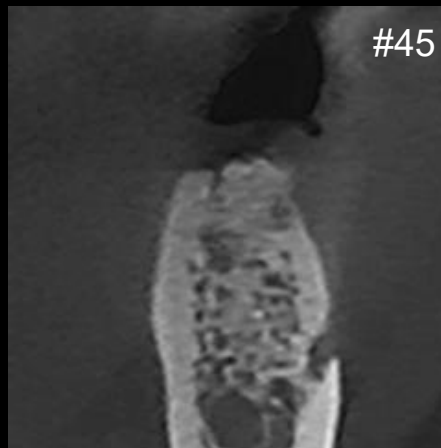


bright BL Implant Placement with Combined Ridge Augmentation



Dr. SM Chung

2026.10.02 (Fri)

This Month's Surgery

Patient Information

Age / Sex : 36y/ F

Chief Complaint

: I would like to have dental implants placed in the area where my lower right posterior teeth were extracted.

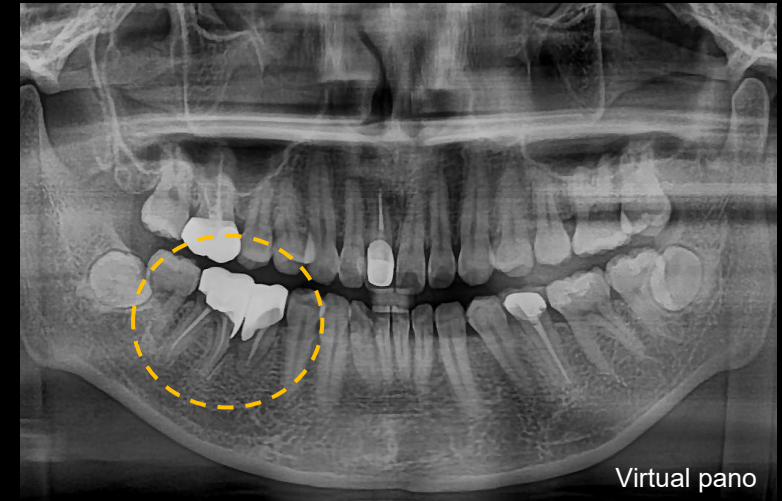
Past Dental History

: Endodontic treatments at #11, 16, 35, 45, 46

#45, 46 extracted with ARP 4 months ago with Osteon™ Xeno Collagen & Collagen Graft x1D

Past Medical History

: Allergy to quinolone antibiotics.



Before Extraction (Oral Exam)



Healing 4M

Pre-op

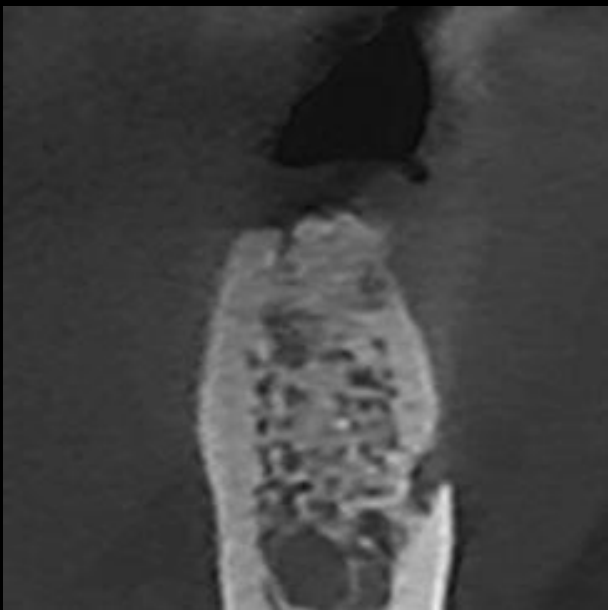


Pre-op PA

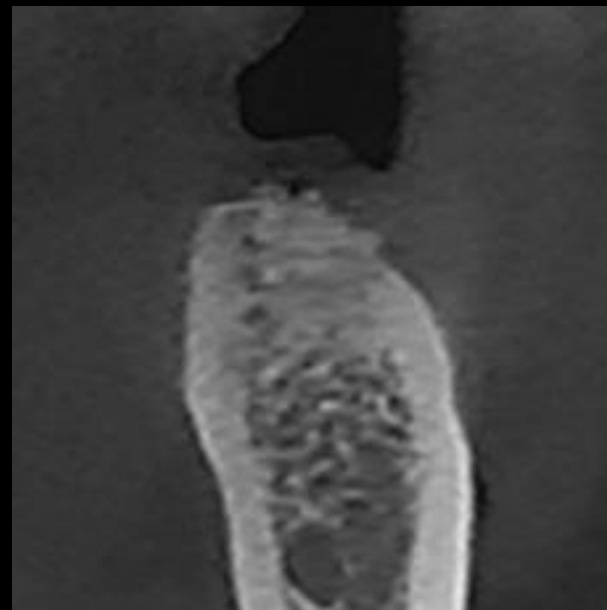
Before Extraction (Oral Exam)



Virtual pano



#45



#46

Surgery Plan (#45, 46)



Before Extraction (Oral Exam)



Healing 4M

- Implantation at #45 and #46 **bright Bone Level (Ø4.0 X 9.0)**
- Bone and soft tissue grafting using autogenous bone, **OSTEON™ Xeno, Collagen Membrane Hard**, and **Collagen Graft x1D** for horizontal ridge augmentation with the sausage-technique.

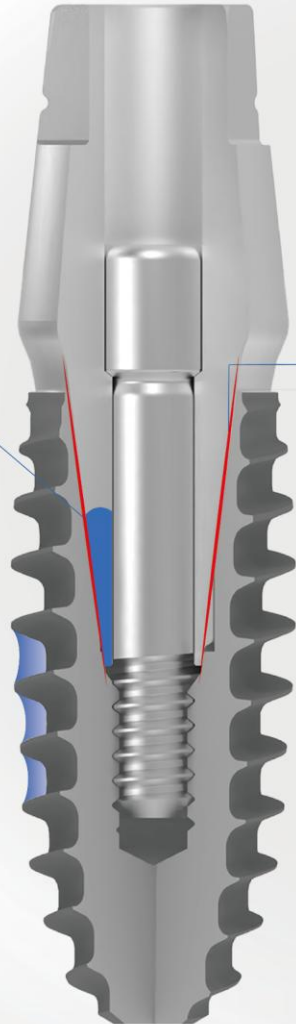
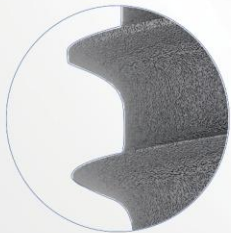
Bone Level bright Implant

Dentium

Precision tapered connection
minimizes sink-down and screw loosening

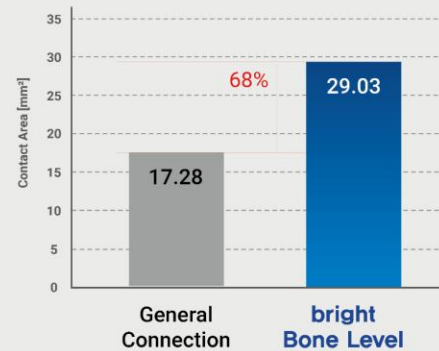
10°

Thin and deep thread design
Maximizes contact with cancellous bone
for increased long-term stability



A wide fixture-abutment contact area
enhances long-term prosthetic stability

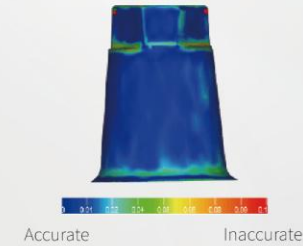
3.7mm



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



“Smart Stitching” ensures accurate digital impressions



Digital Abutment

From healing to final restoration, with only One abutment



Healing Abutment

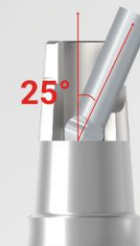
Impression Coping

Scan Body

Permanent Abutment

Ti-Base

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



Collagen Membrane Hard

Highly Pure Type I Collagen (Porcine tendon)

The original bilayer collagen structure is designed to support the stability of bone grafts and promote soft tissue healing

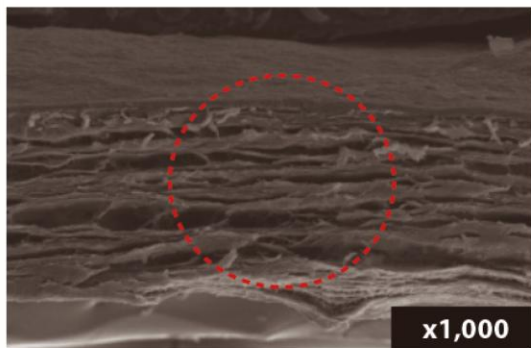
High mechanical strength

ensures durability when hydrated or dry, allowing excellent packing capacity of bone grafting materials

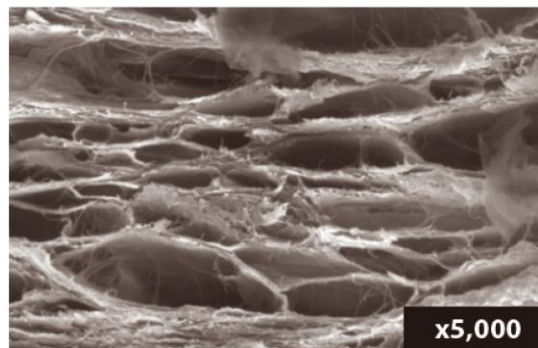
Resorption period : about 6 months

Indications

- Guided bone regeneration
- Alveolar ridge augmentation
- Extraction sites
(Implant preparation/placement)



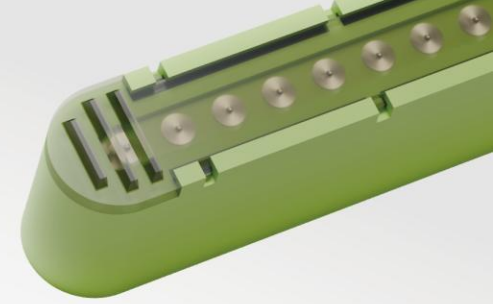
Cross section



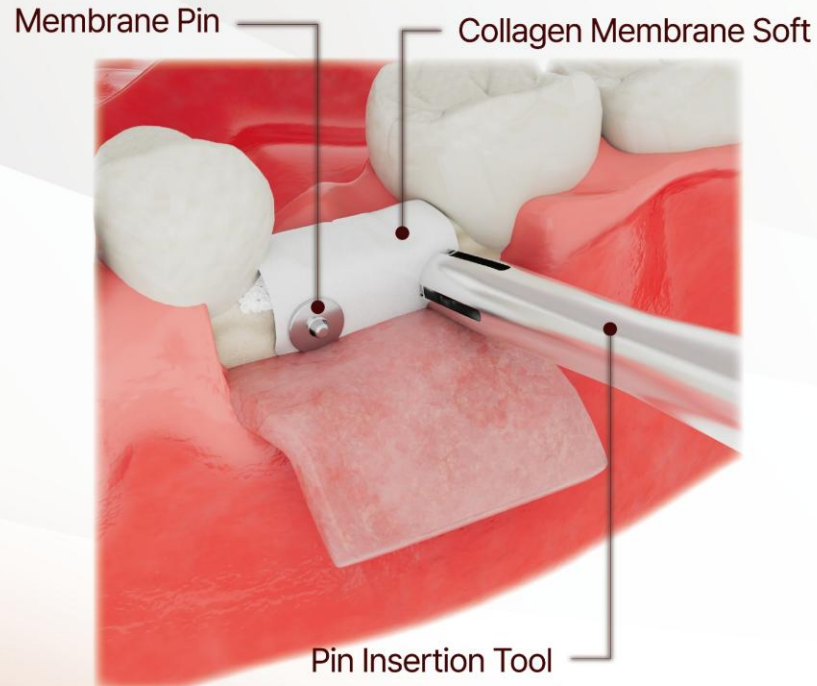
Surface



Membrane Pin



Membrane/Tissue Fixation



Secure Fixation

Wide head design securely stabilizes the membrane and soft tissue, minimizing movement during the procedure for improved handling



Sharp Bone Penetration

The tapered tip enhances penetration into cortical bone, enabling smooth and stable pin fixation.



Precise Engagement

Extended post height ensures precise tool engagement and secure fixation without mallet tapping.



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

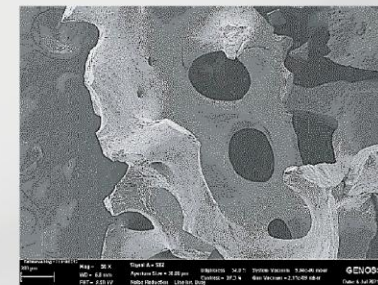


Excellent wettability

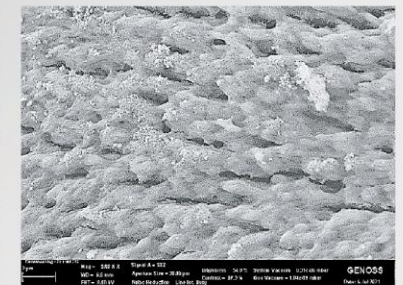
OSTEON™ Xeno surface structure



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

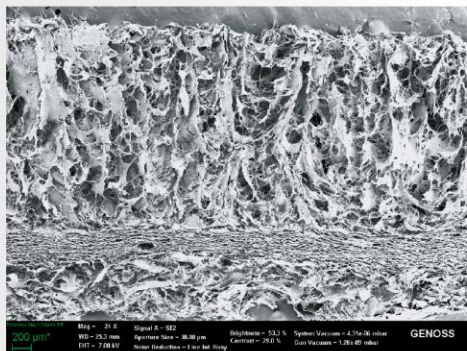
- Highly pure Type I collagen derived from porcine tendon
- A dense structure provides stability while allowing open healing.
- A porous layer structure supports blood clot stabilization and ingrowth of soft tissue cells.

Indications

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

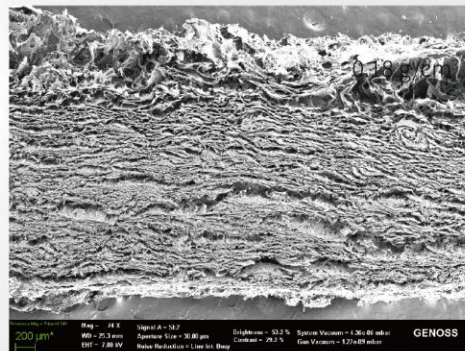


Collagen Graft x1D

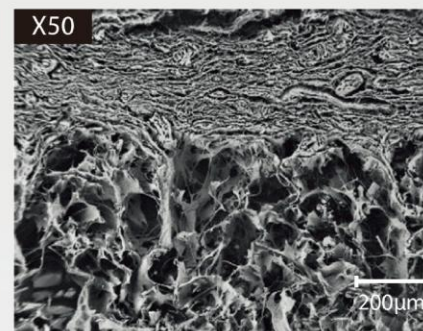


Collagen density : 0.08 g/cm³

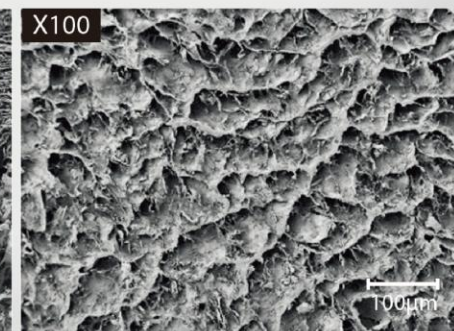
Collagen Graft x2D



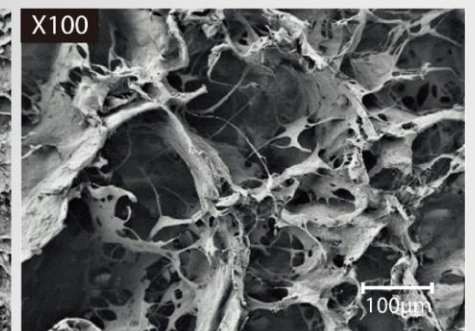
0.18 g/cm³



Cross section



Dense layer



Porous layer

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

