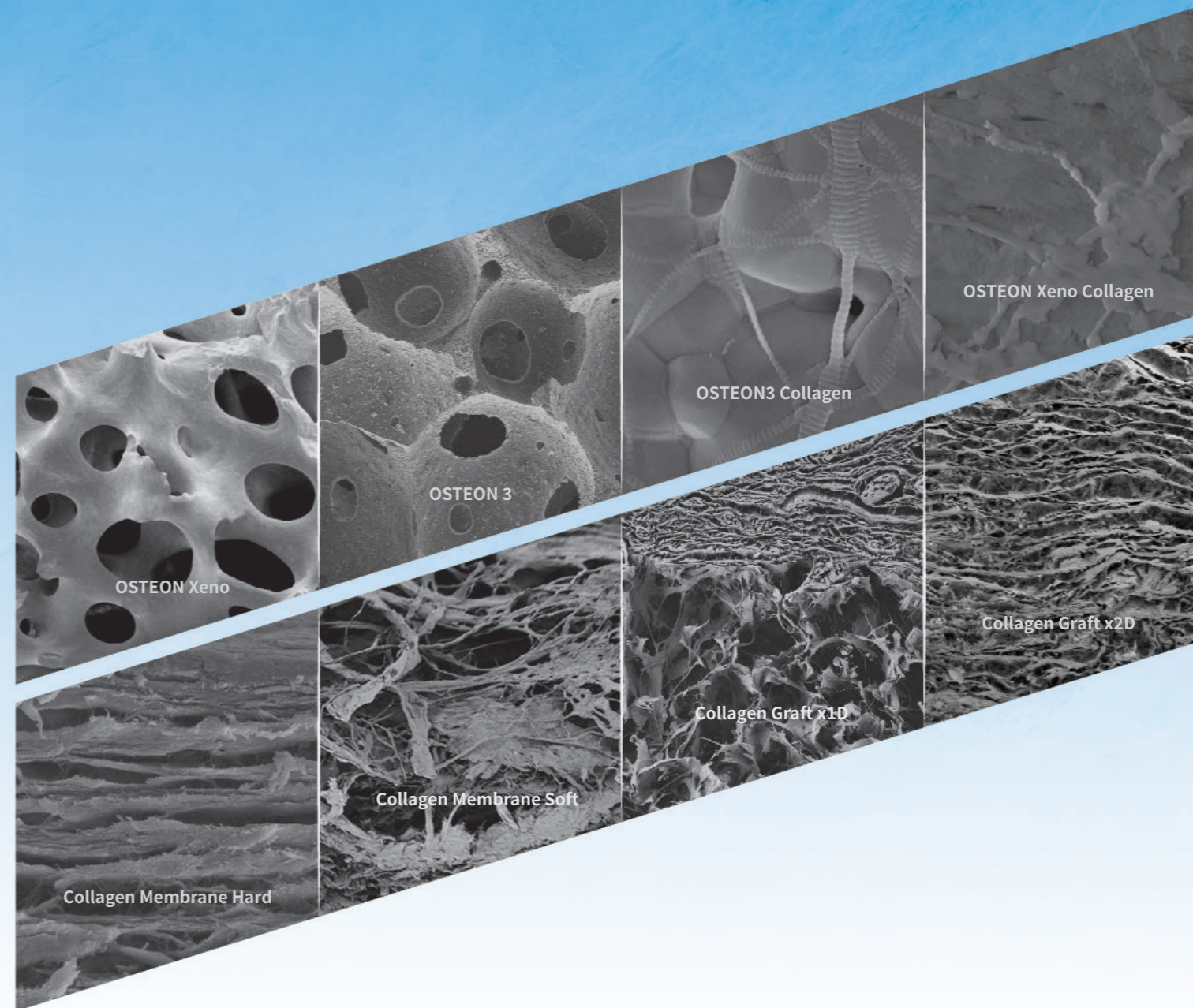


Dentium

Regeneration

Bone Grafting & Soft Tissue Management



Specifications are subject to change without any notice.
Some products listed in this catalog are not available in the market due to pending approval.

Dentium *GENOSS*

CAT-B0401(Rev.7, 2603)

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HOME PAGE

www.dentium.co.kr / www.genoss.com

Dentium

Regeneration

Products Information

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OSTEON™ Xeno

Bovine Cancellous Bone

OSTEON™ Xeno is chemically and structurally comparable to mineralized human bone. The highly interconnected micro- and macro-porous structure of OSTEON™ Xeno enables efficient absorption of blood, nutrients, and growth factors.



OSTEON™ Xeno particles absorb liquid quickly and adhere to each other after mixing, facilitating easy handling and precise application into the defect.

Indications

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

Complete removal of organic substances



Small Granules (0.2–1.0mm)



Product No.	Weight(g) / Volume(cc)
GXS015	0.15 (≈ 0.35)
GXS025	0.25 (≈ 0.58)
GXS050	0.50 (≈ 1.15)
GXS100	1.00 (≈ 2.3)

Large Granules (1.0–2.0mm)



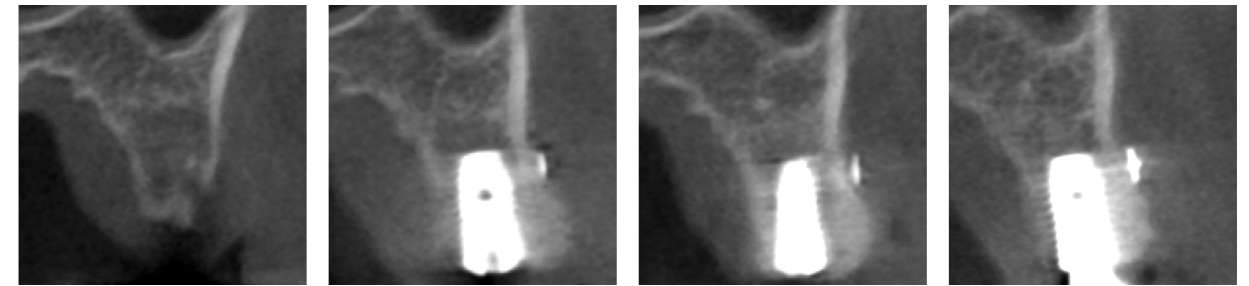
Product No.	Weight(g) / Volume(cc)
GXL015	0.15 (≈ 0.54)
GXL025	0.25 (≈ 0.9)
GXL050	0.50 (≈ 1.8)
GXL100	1.00 (≈ 3.6)

Application & Handling

- OSTEON™ Xeno can be hydrated in sterile saline, blood, or PDRN solution.
- Excessive compression should be avoided to help maintain inter-particle space.
- Small Granules : Provide excellent adaptability to irregular defects.
- Large Granules : Suitable for cases requiring space maintenance, including lateral sinus augmentation.

Buccal bone Reconstruction

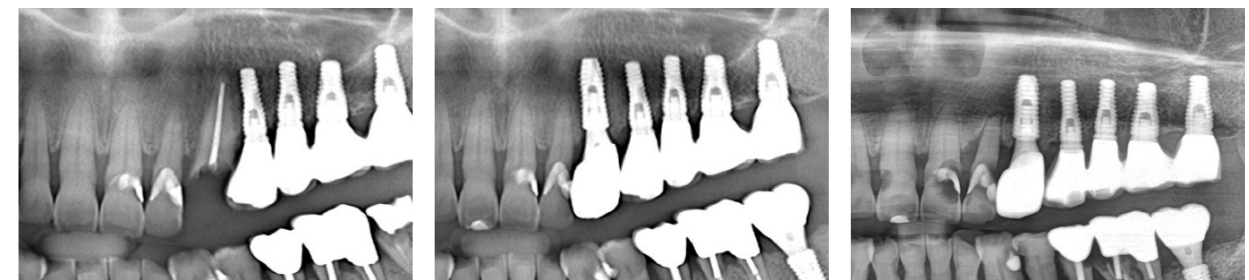
Prof. Jungseok Lee, DDS, PhD / Periodontist, Yonsei Univ. Dental Hospital



Pre-Op CT Post-Op CT Follow Up (after 4M) CT Follow Up (after 1Y) CT

Immediate Implantation with GBR

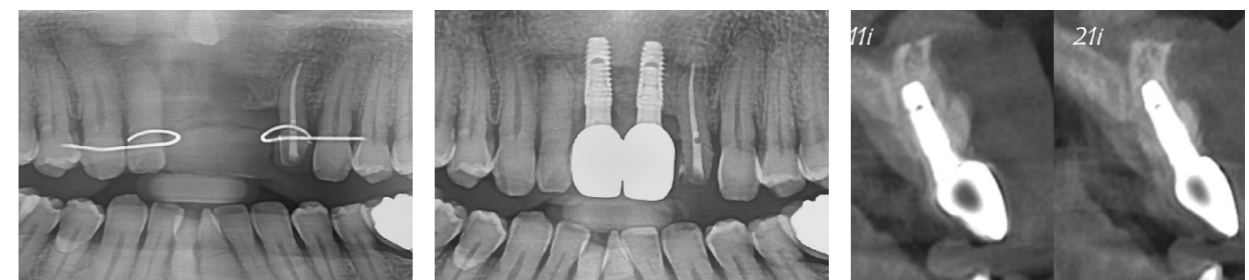
Dr. Sangchul Lim, DDS, PhD / Periodontist, Mi-Sa WELL Dental Clinic



Pre-Op Panorama Final restoration Panorama Follow Up (after 4Y) Panorama

Vertical Augmentation

Dr. Seungmin Han, DDS, MSD / Periodontist, Seoul Ichon Dental Clinic

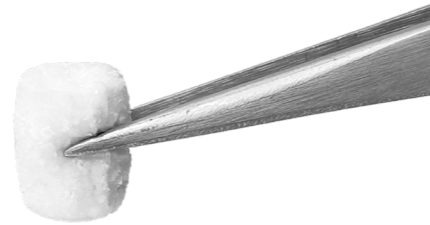


Pre-Op Panorama Follow Up (after 1Y) Panorama Follow Up (after 1Y) CT

OSTEON™ Xeno Collagen

92% Bovine Cancellous Bone + 8% Porcine Type I Collagen

OSTEON™ Xeno Collagen is a combination of 92% bovine granules (0.2-1.0mm) and 8% collagen fibers, molded into cylinder and block forms. Highly purified collagen facilitates the adaptation of these granules to the defect site, bringing about exceptional handling and ease of use.

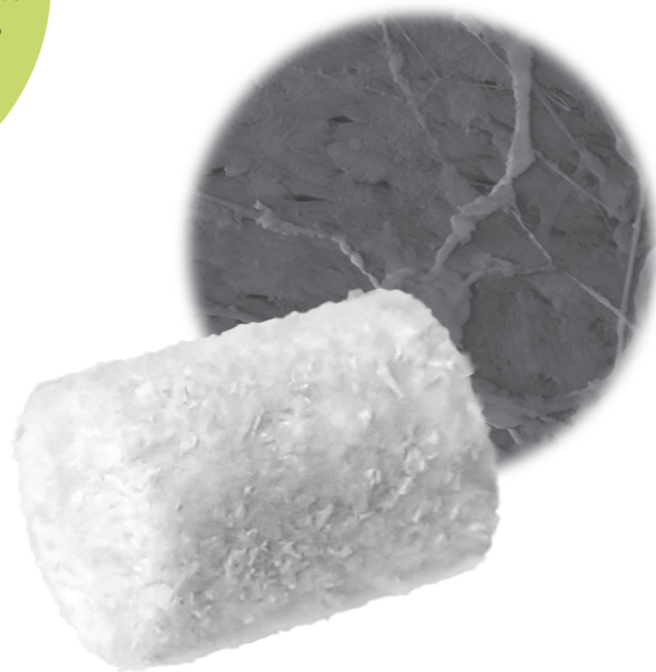


Indications

- Guided bone regeneration
- Contour augmentation
- Alveolar ridge preservation
- Sinus Lift

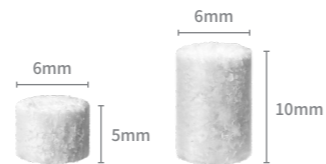
OSTEON™ Xeno granules provide OSTEON™ Xeno Collagen clinically proven, gold-standard material for Guided Bone Regeneration (GBR), leading to predictable results.

Collagen absorbed within 1~2 weeks



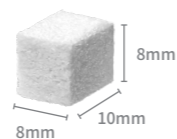
Cylinder Type

Product No.	Weight(g) / Volume(cc)	Size(mm)	Weight(mg)
XC0605	0.2~1.0	Ø 6.0 x 5.0	90
XC0610	0.2~1.0	Ø 6.0 x 10.0	180



Block Type

Product No.	Weight(g) / Volume(cc)	Size(mm)	Weight(mg)
XC0810	0.2~1.0	8.0 x 8.0 x 10.0	300

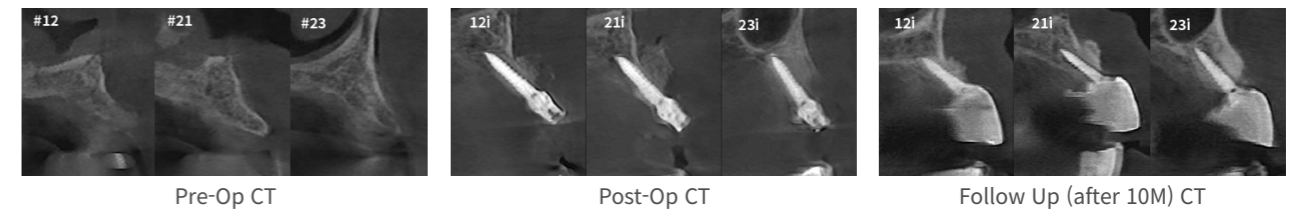


Application & Handling

- OSTEON™ Xeno Collagen can be hydrated in sterile saline, blood, or PDRN solution.
- Collagen improves particle cohesion, reducing graft migration.
- For sinus augmentation, combined use is recommended (lower defect area: Xeno / upper area: Xeno Collagen).
- Combined use with Collagen Graft supports adequate bone and soft tissue volume.

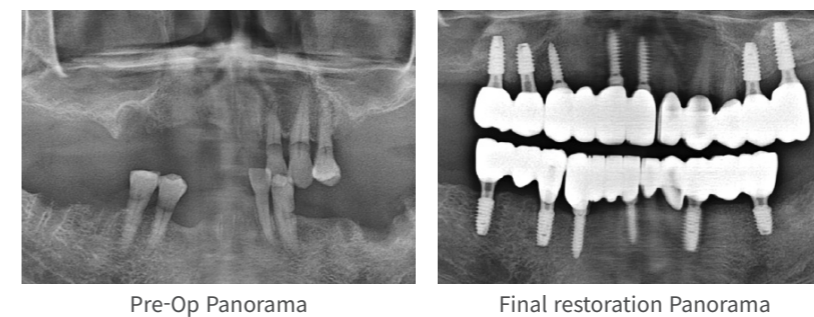
Horizontal Augmentation

Dr. Sungmin Chung, DDS, PhD / Periodontist, Dentium Dental Clinic



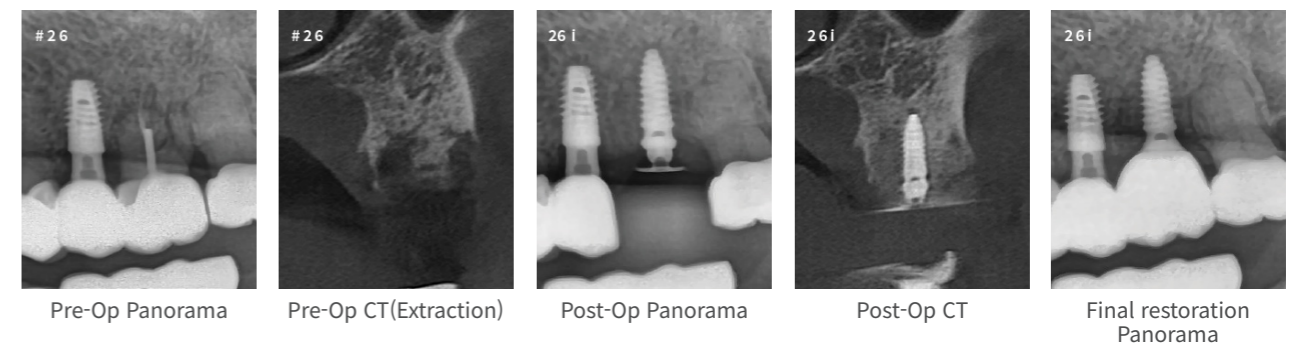
Anterior Ridge Augmentation

Prof. Suhwan Byun, DDS, PhD / Oral and Maxillofacial Surgeon, Hallym Univ. Sacred Heart Hospital



Immediate Implantation with Socket Preservation

Dr. Sungmin Chung, DDS, PhD / Periodontist, Dentium Dental Clinic



OSTEON™ 3

HA 60% + β-TCP 40%

OSTEON™ 3 is a biphasic calcium phosphate bone graft composed of HA and β-TCP, featuring a highly interconnected macro- and micro-porous structure that supports stable bone regeneration.



High porosity and large surface area provide favorable conditions for blood infiltration and osteoconductive bone formation.

Exhibits good wettability and handling characteristics.



Indications

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

Vial Type (0.2–0.5mm)

Product No.	Weight(g) / Volume(cc)
3G0205010	0.10 (≈ 0.1)
3G0205025	0.25 (≈ 0.25)
3G0205050	0.50 (≈ 0.45)
3G0205100	1.00 (≈ 0.9)

Vial Type (0.5–1.0mm)

Product No.	Weight(g) / Volume(cc)
3G0510010	0.10 (≈ 0.06)
3G0510025	0.25 (≈ 0.16)
3G0510050	0.50 (≈ 0.32)
3G0510100	1.00 (≈ 0.6)

Vial Type (1.0–2.0mm)

Product No.	Weight(g) / Volume(cc)
3G1020010	0.10 (≈ 0.06)
3G1020025	0.25 (≈ 0.13)
3G1020050	0.50 (≈ 0.26)
3G1020100	1.00 (≈ 1.0)

Syringe Type

Product No.	Size(mm) / Volume(cc) / Weight(g)
3G0510050S	0.5~1.0 / 0.5 / 0.32
3G1020050S	1.0~2.0 / 0.5 / 0.26
3G0205025L	0.2~0.5 / 0.25 / 0.25
3G0510025L	0.5~1.0 / 0.25 / 0.16

Application & Handling

- OSTEON™ 3 can be hydrated in sterile saline, blood, or PDRN solution.
- OSTEON™ 3 may be used alone or combined with autogenous bone depending on defect characteristics.
- For defects requiring space maintenance, use with a barrier membrane is recommended to enhance graft stability.
- Available in vial type for flexible mixing and syringe type for precise delivery into confined defects.

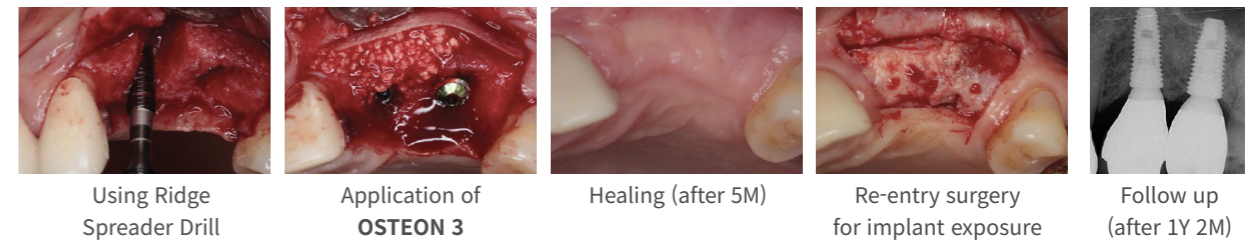
Horizontal Ridge Augmentation

Prof. Ui-Won Jung, DDS, PhD / Periodontist, Yonsei Univ. Dental Hospital



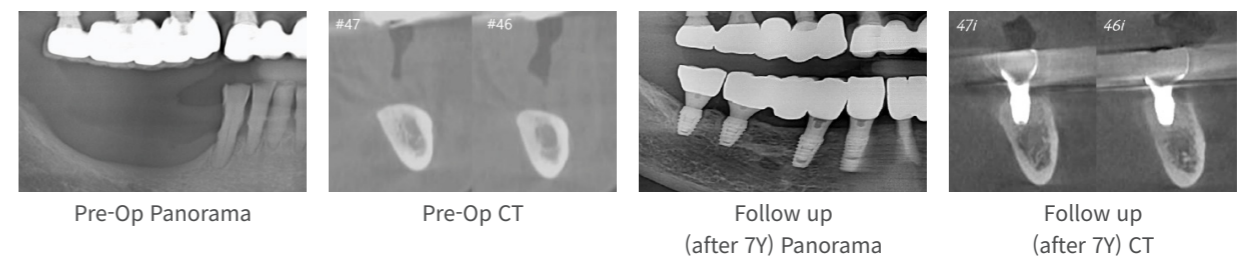
GBR: Autogenous bone + Alloplast

Dr. Sangchul Lim, DDS, PhD / Periodontist, Mi-Sa WELL Dental Clinic



Vertical Augmentation

Dr. Seungmin Han, DDS, MSD / Periodontist, Seoul Ichon Dental Clinic



OSTEON™ 3 Collagen

92% OSTEON 3 Bone + 8% Porcine Type I Collagen

OSTEON™3 Collagen is a combination of 92% OSTEON™ 3 bone granules (0.5–1.0 mm) and 8% porcine type I collagen fibers, molded into a cylindrical form.

Enhanced handling of OSTEON™ 3 with added collagen, providing improved graft cohesion without compromising bone regeneration.



Based on the clinically validated OSTEON™ 3 scaffold, OSTEON™ 3 Collagen delivers predictable bone regeneration with enhanced handling characteristics.

Indications

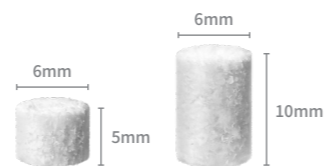
- Simple grafting
- Alveolar ridge preservation
- Extraction socket management
- Sinus lift

Collagen absorbed within 1~2 weeks



Cylinder Type

Product No.	Weight(g) / Volume(cc)	Size(mm)	Weight(mg)
ND3CC0605	0.5~1.0	Ø 6.0 x 5.0	170
ND3CC0610	0.5~1.0	Ø 6.0 x 10.0	340

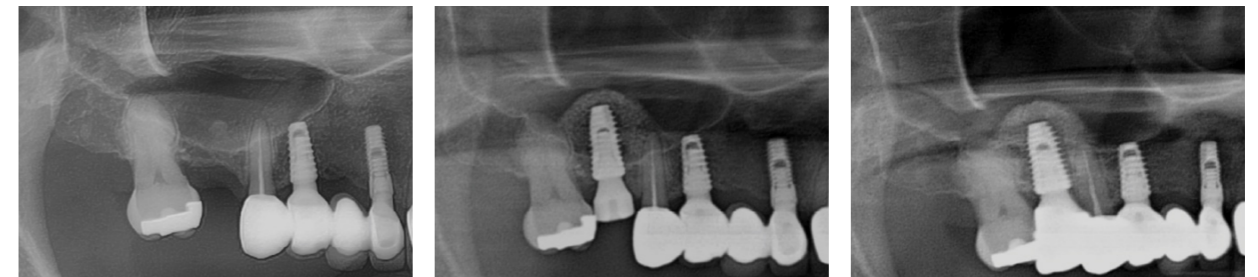


Application & Handling

- OSTEON™ 3 Collagen can be hydrated in sterile saline, blood, or PDRN solution.
- Allows stable placement without excessive compression during grafting.
- Useful for small or localized defects where precise placement is needed without material loss.
- Combined use with Collagen Graft supports adequate bone and soft tissue volume.

Lateral Approach

Prof. Ui-Won Jung, DDS, PhD / Periodontist, Yonsei Univ. Dental Hospital



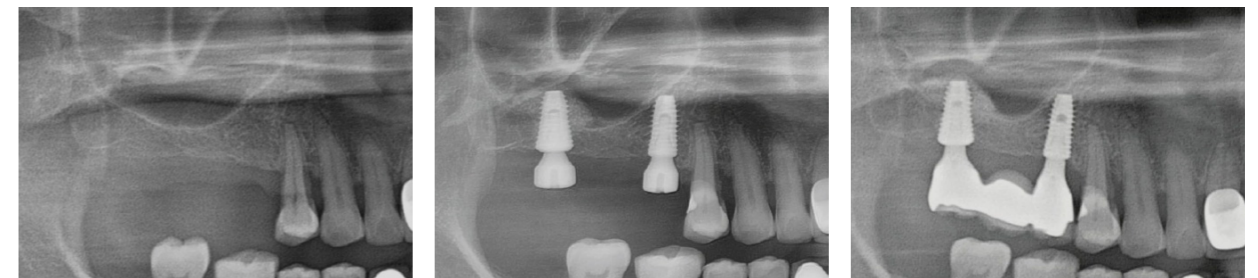
Pre-Op Panorama

Post-Op Panorama

Follow Up (after 2Y) Panorama

Crestal Approach

Prof. Ui-Won Jung, DDS, PhD / Periodontist, Yonsei Univ. Dental Hospital



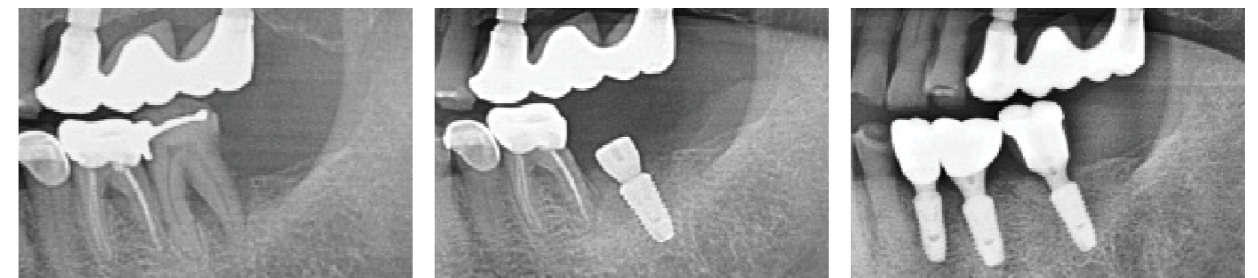
Pre-Op Panorama

Post-Op Panorama

Follow Up (after 2Y) Panorama

Socket Preservation

Dr. Jungchul Park, DDS, PhD / Periodontist, Yonsei Good Day Dental Clinic



Pre-Op Panorama

Post-Op Panorama

Follow Up (after 7Y) Panorama

Collagen Membrane Hard

Bovine Type I Collagen

Collagen Membrane Hard is a pure bovine collagen membrane. The original bilayer collagen structure is designed to support the stability of bone grafts and promote soft tissue healing.



Indications

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

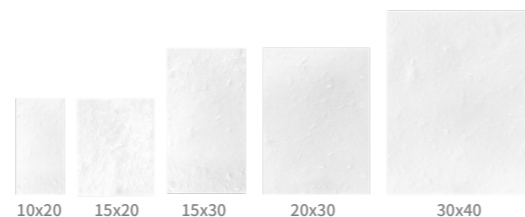
High mechanical strength ensures durability when hydrated or dry, allowing excellent packing capacity of bone grafting materials.

Collagen absorbed within 1~2 weeks



Available Sizes

Product No.	Size(mm)
GCM1020	10 x 20
GCM1520	15 x 20
GCM1530	15 x 30
GCM2030	20 x 30
GCM3040	30 x 40

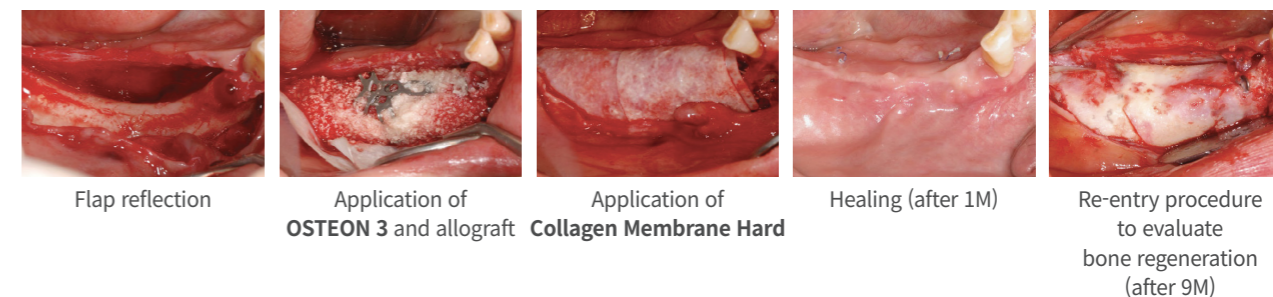


Application & Handling

- Collagen Membrane Hard can be hydrated in sterile saline, blood, or PDRN solution.
- Use in a dry state when shape retention and space maintenance are required.
- Common sizes: 10 × 20 mm / 15 × 20 mm
- Particularly suitable for cases requiring prolonged space maintenance

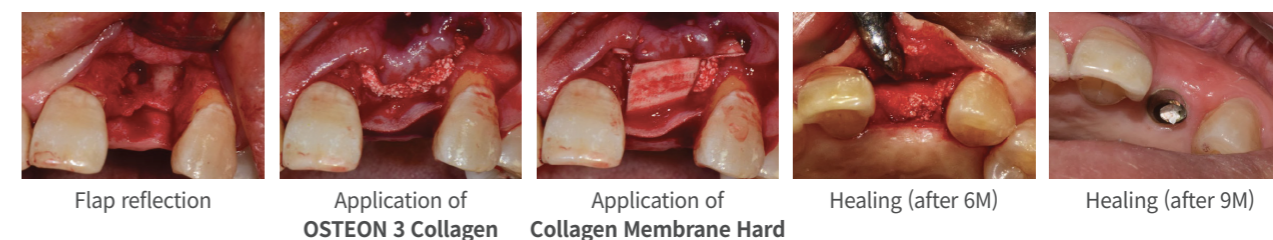
Vertical Augmentation

Dr. Seungmin Han, DDS, MSD / Periodontist, Seoul Ichon Dental Clinic



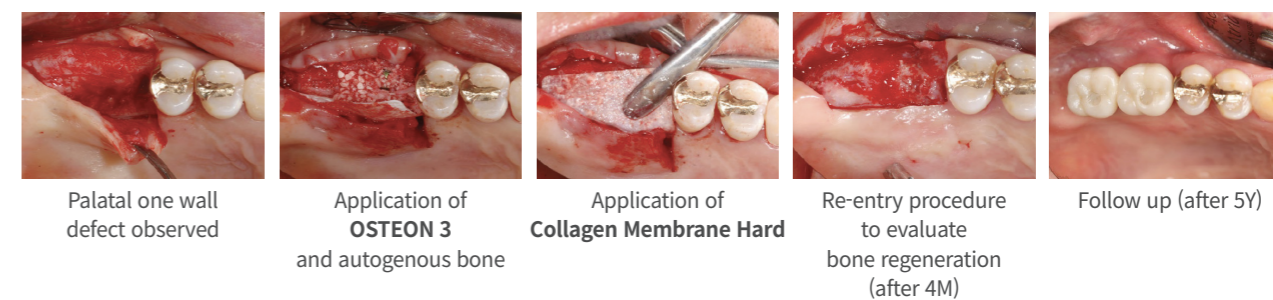
Comprehensive Management of Anterior Defect

Dr. Byoungkyou Park, DMD, MSD / Periodontist, Seoul Pil Dental Clinic



GBR with Sinus Elevation (2)

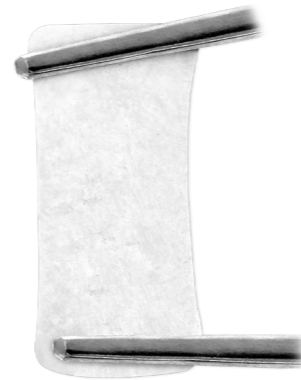
Dr. Seungmin Han, DDS, MSD / Periodontist, Seoul Ichon Dental Clinic



Collagen Membrane Soft

Bovine Type I Collagen

Collagen Membrane Soft is a pure bovine collagen membrane. The original bilayer collagen structure is designed to support the stability of bone grafts and promote soft tissue healing.



Indications

- Guided bone regeneration
- Ridge augmentation
- Extraction sites (implant preparation/placement)
- Pin technique

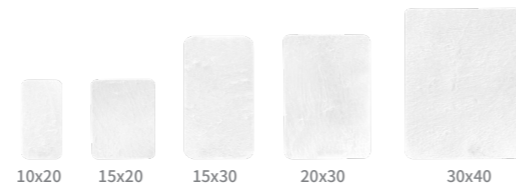
Excellent surface adaptation and tear resistance. Excellent handling properties, adapts and conforms to defects, and adheres well to tissue.

Can be used on either side
Resorption period: about 4 month



Available Sizes

Product No.	Size(mm)
CM1020S	10 x 20
CM1520S	15 x 20
CM1530S	15 x 30
CM2030S	20 x 30
CM3040S	30 x 40

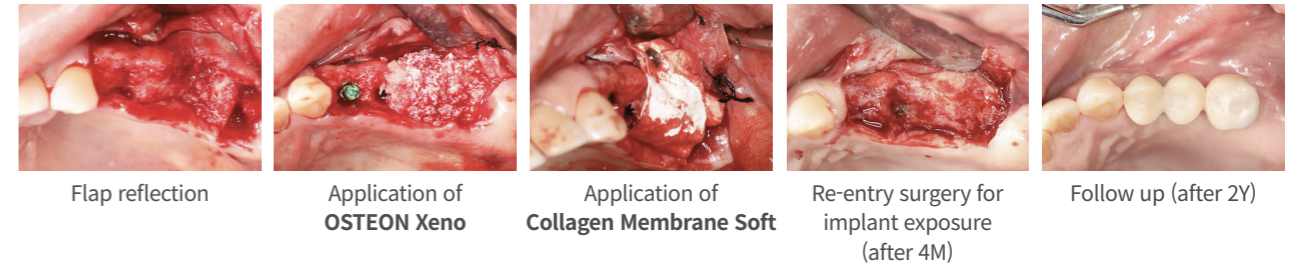


Application & Handling

- Collagen Membrane Soft can be hydrated in sterile saline, blood, or PDRN solution.
- Recommended for larger defects or cases requiring flexibility and tissue adaptation.
- Common sizes: 10 × 20 mm / 15 × 20 mm.
- Easy fixation with pins or sutures is recommended

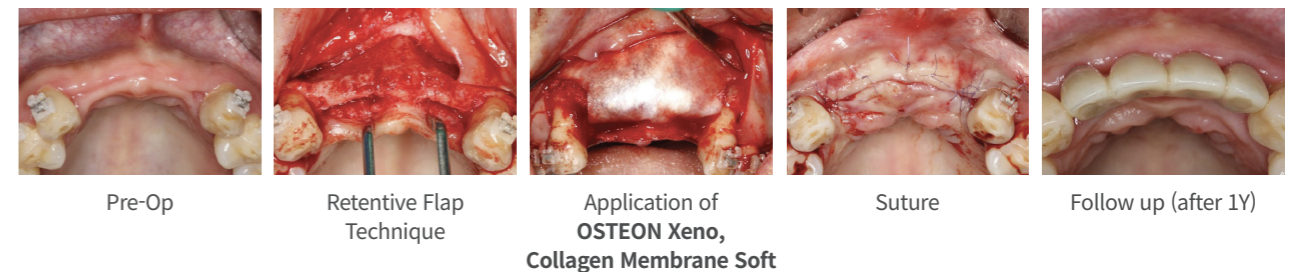
GBR with Sinus Elevation

Dr. Seungmin Han, DDS, MSD / Periodontist, Seoul Ichon Dental Clinic



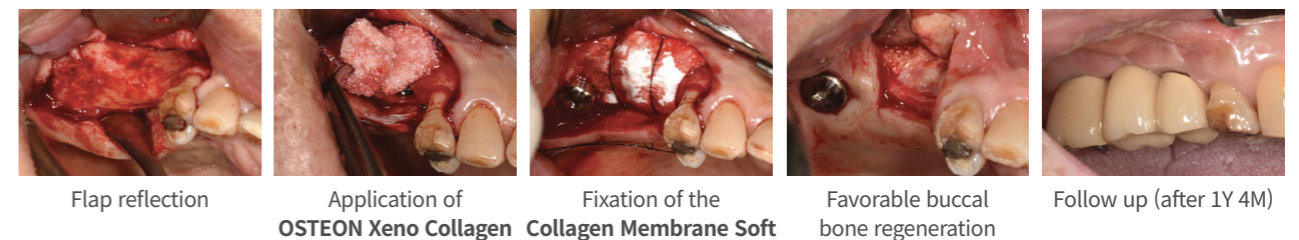
Management of Anterior narrow Ridge

Prof. Jungseok Lee, DDS, PhD / Periodontist, Yonsei Univ. Dental Hospital



Horizontal Augmentation

Prof. Dongwoon Lee, DDS, PhD / Periodontist, Wonkwang Univ. Sanbon Hospital



Collagen Graft x1D

Porcine Type I Collagen (Porous 80%+Dense 20%)



Collagen Graft x1D is the ideal collagen matrix for recession defects and gain of keratinized tissue where open healing is required.

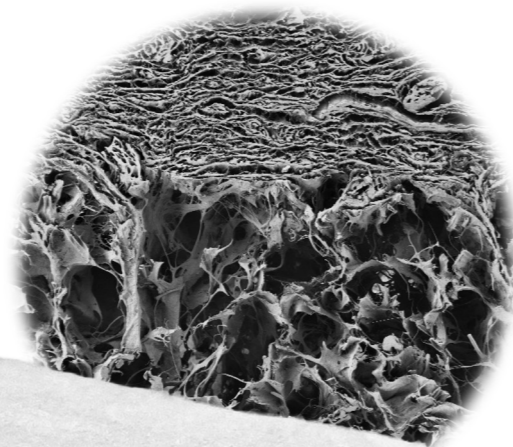
Provides a requisite reinforcing matrix and a signaling source for regenerative wound healing.

Indications

- Keratinized tissue augmentation
- Recovery of keratinized mucosa
- Recession defects / Root coverage
- Ridge Preservation (Open healing)
- FGG alternative

Collagen Graft x1D features a double layer structure.

- A dense structure provides stability while allowing open healing.
- A porous layer structure supports blood clot stabilization and ingrowth of soft tissue cells. This enables early vascularization and good soft-tissue ingrowth.



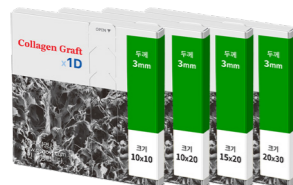
Degradation time : Lasting for 1 months

* Collagen density : 0.08g/cm³



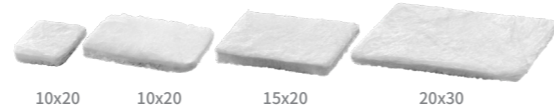
THICKNESS OPTIONS (2mm)

Product No.	Size(mm)
PSD1010	10 x 10
PSD1020	10 x 20
PSD1520	15 x 20
PSD2030	20 x 30



THICKNESS OPTIONS (3mm)

Product No.	Size(mm)
PSD1010M	10 x 10
PSD1020M	10 x 20
PSD1520M	15 x 20
PSD2030M	20 x 30

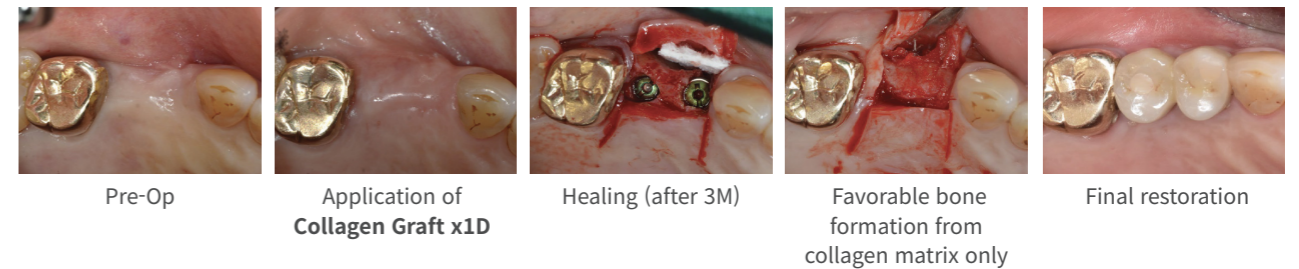


Application & Handling

- Pre-wetting can be performed using patient's own blood or sterile saline.
- x1D is particularly suitable for open healing procedures where rapid soft tissue integration is desired.
- For deep sockets or cases requiring increased soft-tissue thickness, the 3 mm option is recommended.
- When used over a xenograft during socket preservation, x1D supports favorable soft-tissue formation.

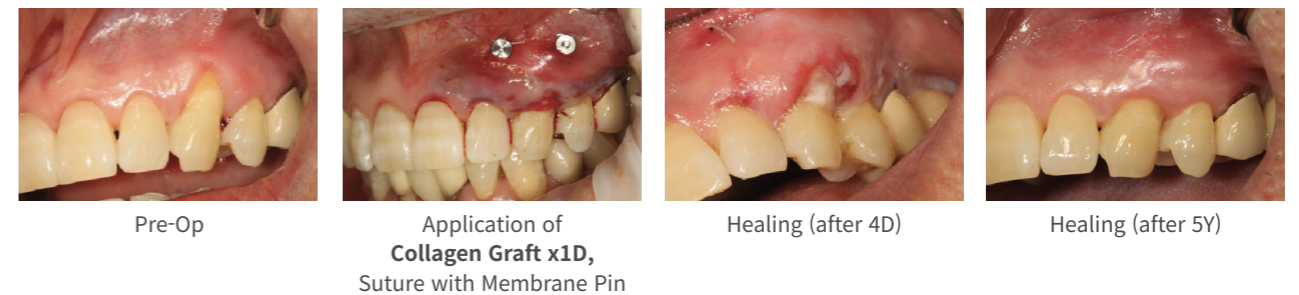
Buccal Reconstruction with Collagen Matrix Only

Prof. Youngdan Cho, DDS, PhD / Periodontist, Seoul National Univ. Dental Hospital



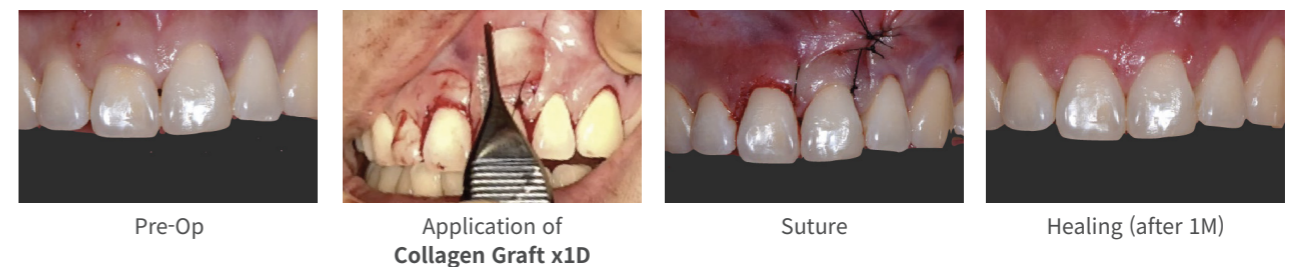
Root Coverage

Dr. Jungchul Park, DDS, PhD / Periodontist, Yonsei Good Day Dental Clinic



Simultaneous Gingivectomy & Root Coverage

Prof. Sungtae Kim, DDS, PhD / Periodontist, Seoul National Univ. Dental Hospital



Collagen Graft x2D

Porcine Type I Collagen (Porous 48%+Dense 52%)



Collagen Graft x2D is a high-density collagen matrix designed to provide enhanced volume stability and structural support. Stable handling and reliable support are maintained during suturing.

Indications

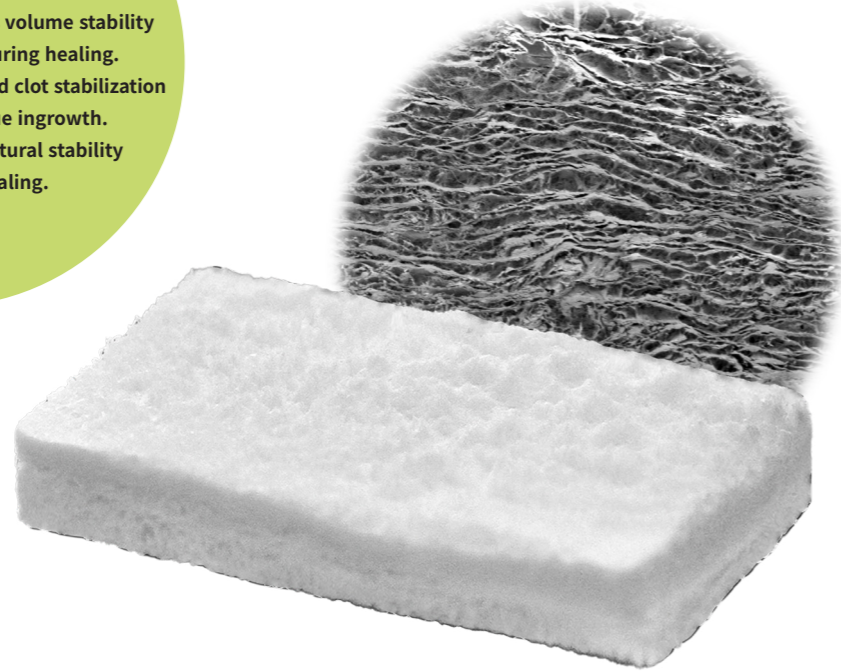
- Ridge Preservation (Open healing)
- Soft tissue augmentation
- Recovery of keratinized mucosa
- Root coverage

Collagen Graft x2D features a double layer structure.

- A dense structure enhances volume stability and structural support during healing.
- A porous layer supports blood clot stabilization and controlled soft tissue ingrowth.

Designed to balance structural stability with favorable healing.

Degradation time : Lasting for 1 months

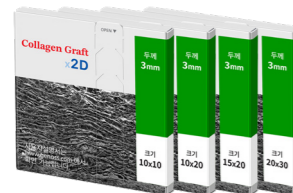


* Collagen density : 0.11g/cm³



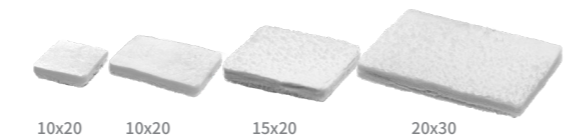
THICKNESS OPTIONS (2mm)

Product No.	Size(mm)
PSD1010D	10 x 10
PSD1020D	10 x 20
PSD1520D	15 x 20
PSD2030D	20 x 30



THICKNESS OPTIONS (3mm)

Product No.	Size(mm)
PSD1010MD	10 x 10
PSD1020MD	10 x 20
PSD1520MD	15 x 20
PSD2030MD	20 x 30

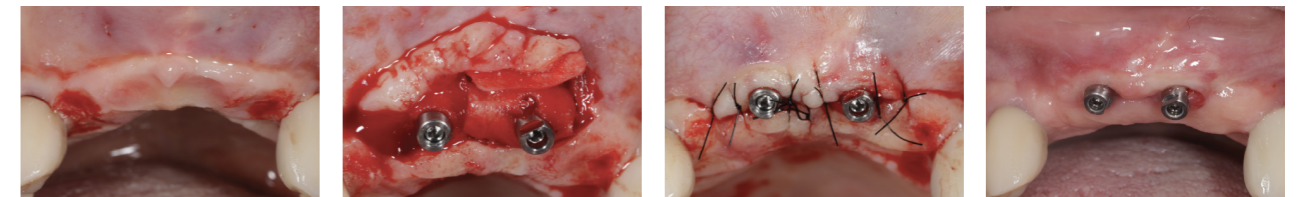


Application & Handling

- Pre-wetting can be performed using patient's own blood or sterile saline.
- x2D is particularly suitable for open healing cases where volume stability and resistance to collapse are required.
- For cases requiring additional volume stability, the 3 mm option may be preferred over double-layered 2 mm grafts.
- Applicable as an alternative to the Space-maintaining bone augmentation

Soft Tissue Augmentation

Dr. Sungmin Chung, DDS, PhD / Periodontist, Dentium Dental Clinic



Pre-Op

Application of Collagen Graft x2D

Post-Op

Healing (after 4W)

Socket Sealing for Ridge Preservation

Prof. Sungtae Kim, DDS, PhD / Periodontist, Seoul National Univ. Dental Hospital



Pre-Op

Extraction

Application of Collagen Graft x2D

Post-Op

Healing (after 2W)

CTG Alternative : Gingival phenotype Modification or Root Coverag

Dr. Byoungkyou Park, DMD, MSD / Periodontist, Seoul Pil Dental Clinic



Pre-Op

Application of Collagen Graft x2D

Healing (after 3W)

Bright Oral-Pack

Non-eugenol Periodontal Wound Dressing

Bright Oral-Pack is a non-eugenol, ready-to-use periodontal wound dressing designed to protect surgical sites and sutures by forming a stable protective layer over the wound.

Indications

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

Dispensed as needed and applied directly without mixing or setting, with minimal expansion upon hydration for improved patient comfort and a gingiva-like color for enhanced esthetics.

Water-soluble and biocompatible, naturally resorbed within 3-4 days without the need for removal. Ingestion safety verified.



Tube Type

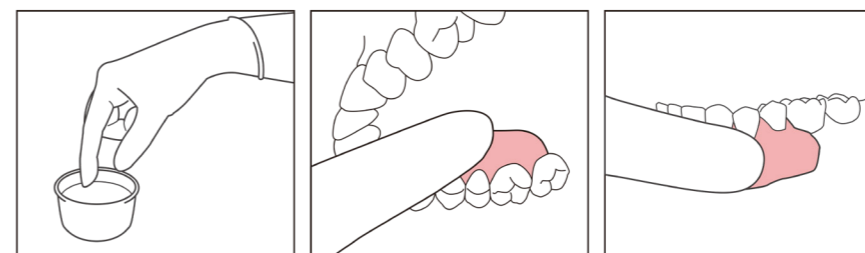
Product No.	Weight(g)	Contents	Packaging Unit
PDW005	5	5g x 5ea	1Box (5ea)

Product No.	Weight(g)	Contents	Packaging Unit
PDW025	25	25g x 1ea	1Box (1ea)

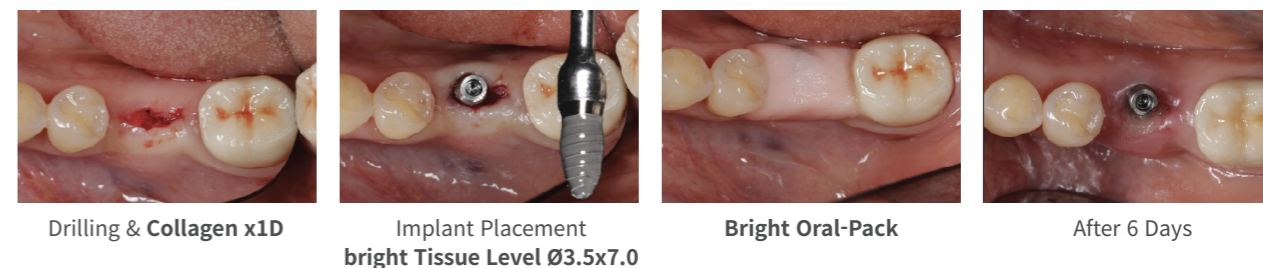


Application & Handling

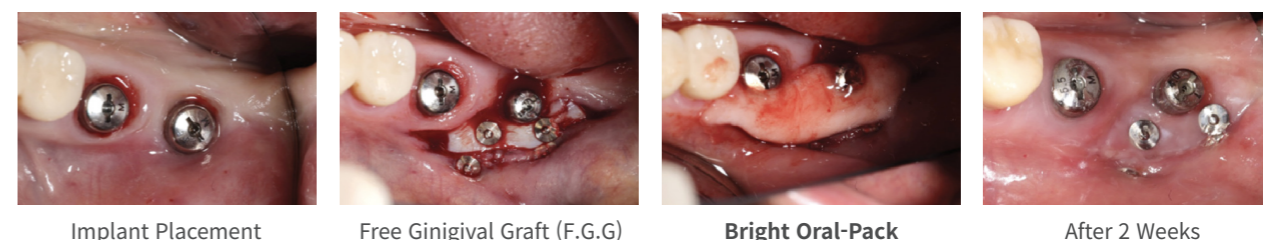
- Clean the application site with water or sterile saline solution.
- Moisten fingers or gloves, then dispense the required amount of the material.
- Apply a thin layer and gently press to adapt over the surgical site and sutures.
- The material naturally degrades within 3-4 days, with no removal required.



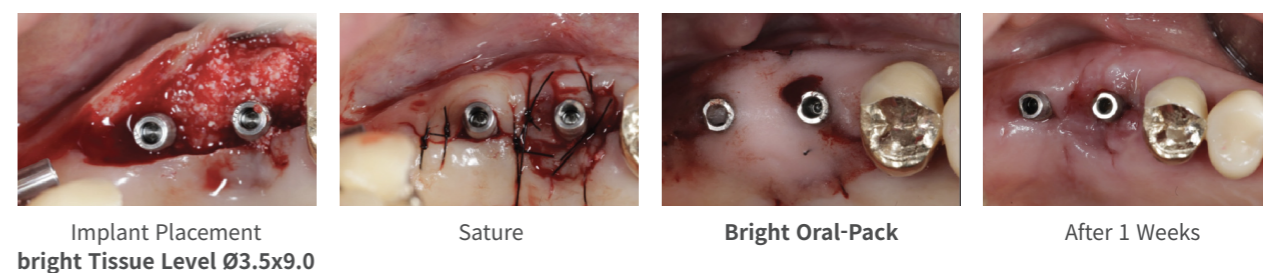
Implant Surgical Site Protection



Gingival Graft Site Protection



Sutured Site Protection



Dentium

Dentium

Dentium

Dentium