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HYUNDAI
BIOLAND

T-Gen

Absorbable Collagen Membrane



T-Gen

Absorbable Collagen Membrane

T-Gen is an absorbable dental membrane for guided bone regeneration made of purified collagen without cross-linking or chemical treatment.



Advantage of the Product

Better Handling

- No need of distinction, either side can be placed against the defect
- Fast hydration and excellent tensile strength
- Good adaptation to various defects

Better Stability

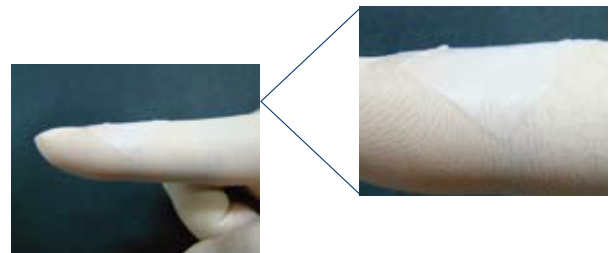
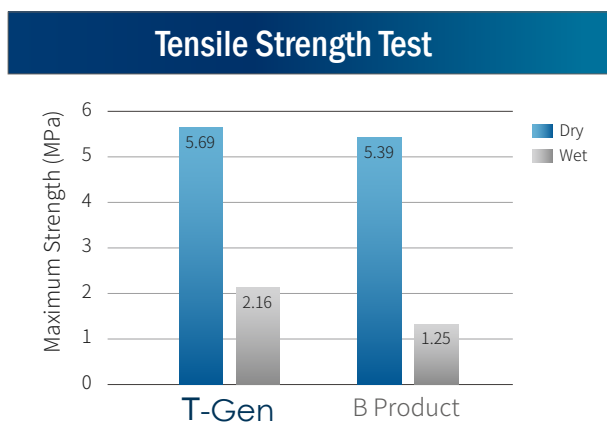
- Excellent tear resistance
- Prolonged barrier function and duration

Better Tissue Integration

- Excellent assistance for fast blood supply to the defect
- Lower incidence of soft tissue dehiscence

Product Comparison (T-Gen versus B product)

Better Handling



T-Gen has excellent tensile strength and thus, it can enable better handling properties for tear resistance in surgery than other products. In addition, T-Gen features excellent adaptation to surface contour due to fast hydration and excellent flexibility.

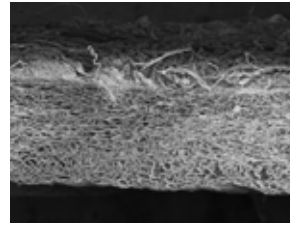
Better Stability

T-Gen functions as a barrier to provide the prolonged space maintenance with the long resorption period. T-Gen is biodegradable and absorbed within 24 weeks after implantation.

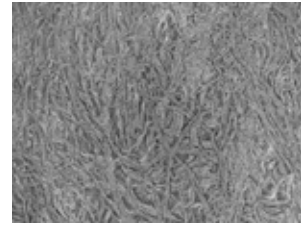
Better Tissue Integration

Product	Porosity
T-Gen	87.5% ± 1.9%
B product	65.7% ± 2.8%

T-Gen has high porosity and specific surface area, which support excellent blood supply. This ensures optimal regeneration of bone and soft tissue.

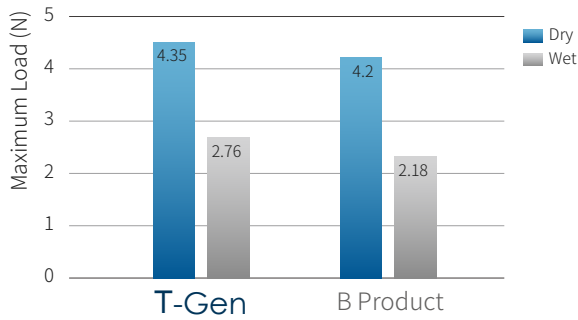


[The cross-section view]



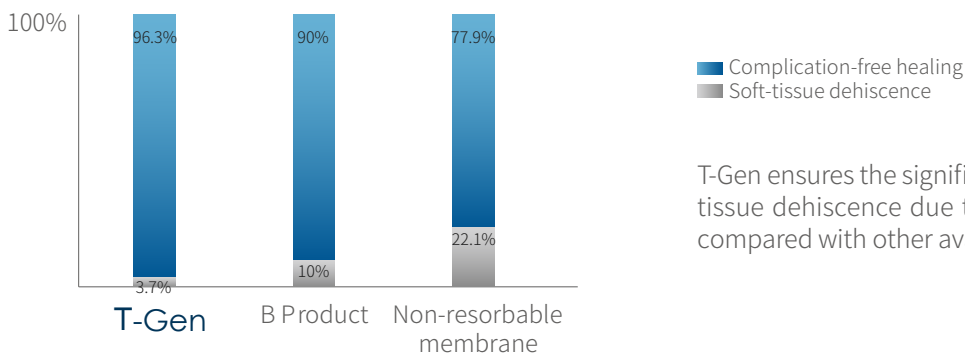
[The plain view]

High Suture Pullout Strength

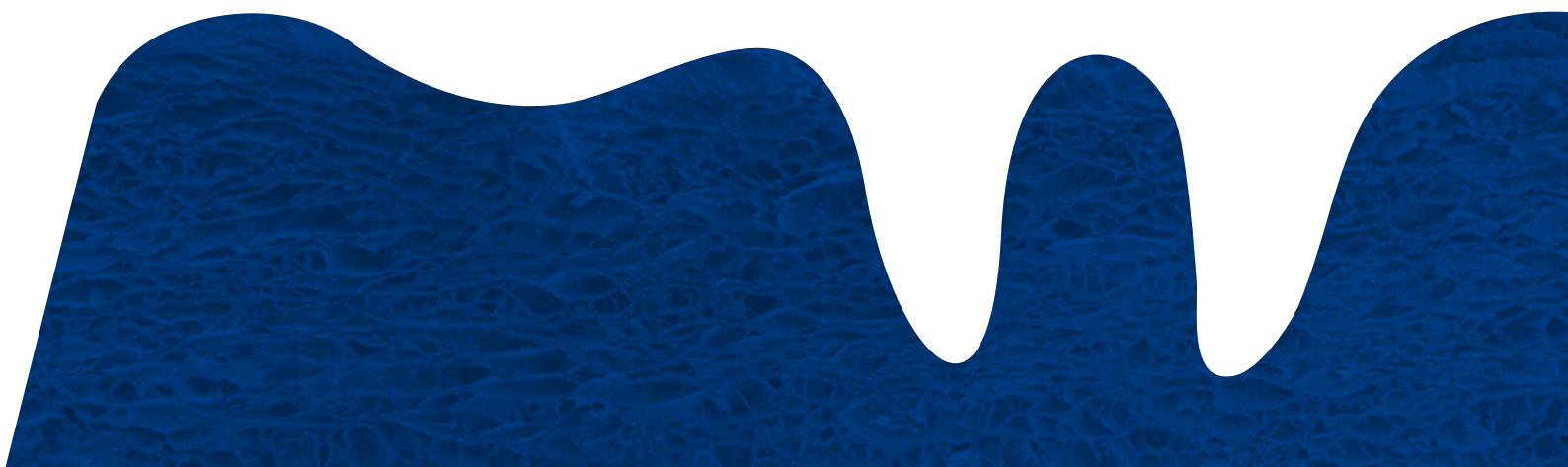


The suture pullout strength of T-Gen is higher than a comparable membrane due to its distinct structure. It enables enough mechanical strength and low risk of detachment.

Reliable Barrier Function



T-Gen ensures the significantly lower incidence of soft tissue dehiscence due to natural collagen structure compared with other available membranes.



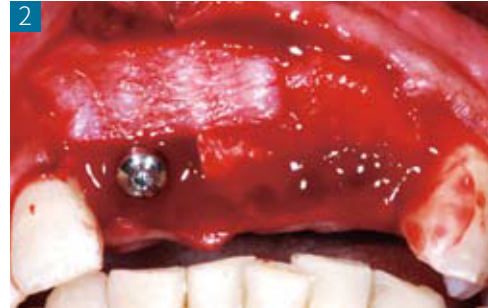
Clinical Cases

Dehiscence Defect

Case 1



1 Large buccal dehiscence defect



2 Covering of the augmentation area with T-Gen

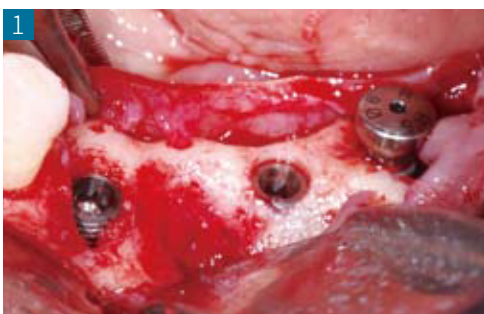


3 Satisfactory soft tissue formation



4 Excellent new bone formation after four months post-operatively

Case 2



1 Buccal dehiscence defect



2 Covering of the augmentation area with T-Gen



3 Stable healing of soft tissue



4 Satisfactory new bone formation without tissue ingrowth after three months

Fenestration Defect

Case 1



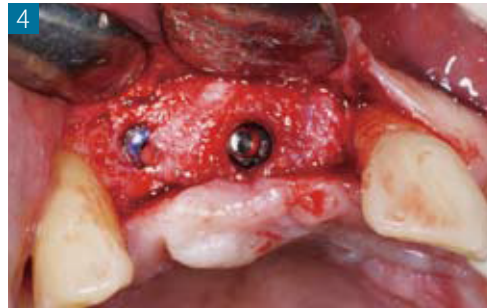
1 Large buccal dehiscence defect and fenestration



2 Complete covering of the augmentation area with T-Gen

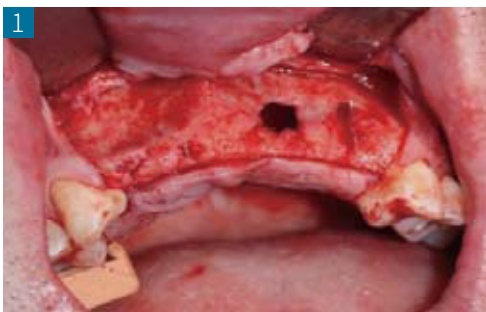


3 Stable healing of soft tissue

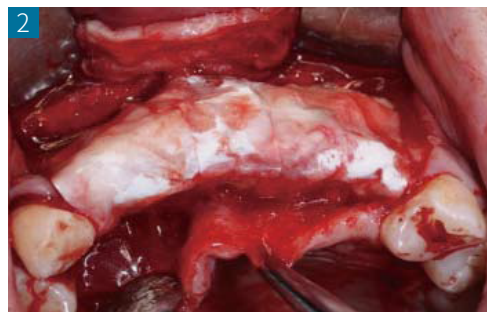


4 Excellent osseous integration showing after four months post-operatively

Case 2



1 Buccal bone fenestration



2 Complete covering of the augmentation area with T-Gen



3 Satisfactory soft tissue healing



4 Perfect bony healing after four months

Horizontal Augmentation

Case



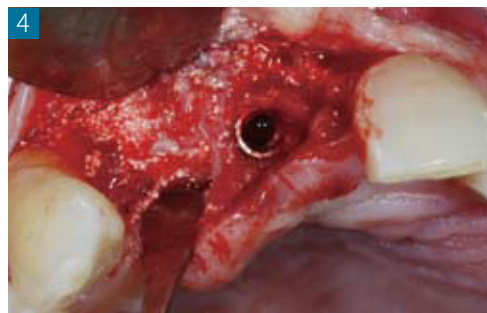
Horizontal bone defect



Complete covering of the augmentation area with T-Gen



Satisfactory soft tissue formation with volume maintenance



Excellent new bone formation in secondary surgery

Ridge Reconstruction

Case



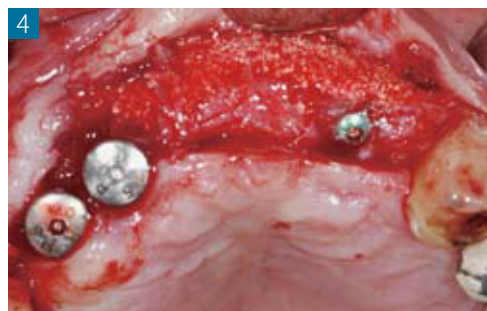
Large bone defect around immediate implant installation



Complete covering with T-Gen in the alveolar augmentation site



Stable soft tissue formation with volume maintenance



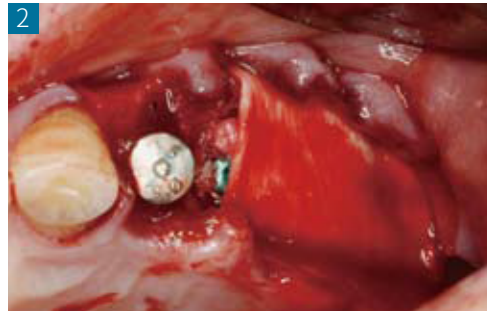
Excellent osseous integration showing after four months

Ridge Preservation

Case



1 Bone defect showing around immediate implant insertion



2 Complete covering with T-Gen for ridge augmentation



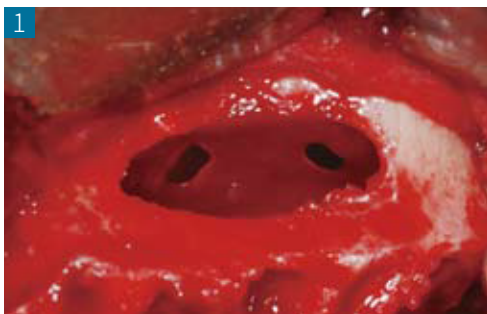
3 Stable condition of soft tissue



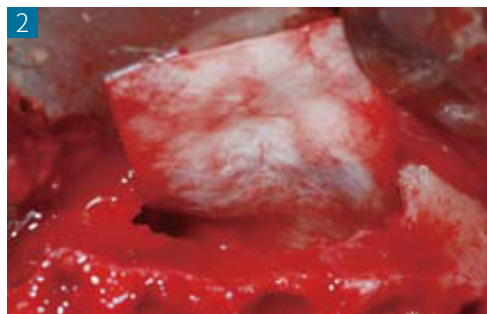
4 Perfect bone regeneration after four months post-operatively

Sinus Perforation

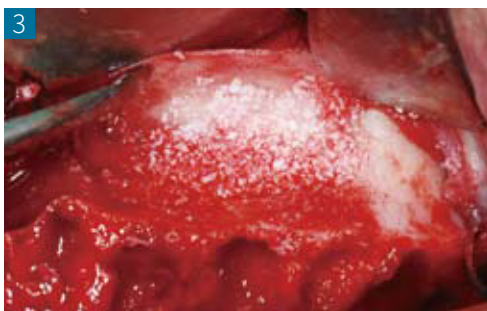
Case



1 Perforation in lateral site



2 Place T-Gen into the sinus cavity



3 Covering T-Gen in the augmentation site



4 Perfect soft tissue condition with stable volume maintenance after six months



Ordering Information

Brand name	Model No.	Size
T-Gen	TG-1	15mm x 20mm
	TG-2	20mm x 30mm
	TG-3	30mm x 40mm



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