

Total Solution for Sinus Graft Surgery

OSTEON™ II

β-TCP coating

- 100% Synthetic bone graft material
- HA scaffold with β-TCP
- (HA 30% + β-TCP 70%)



OSTEON II™

• Evidence of Active Bone Formation and Remodeling Process

Extraction socket Augmentation with Osteon II and Dentium Collagen Membrane - Publication approved at IJPRD in 2013. A human clinical trial conducted by Dr. David Kim, Nicole De Angelis, Marcelo Camelo, Marc Nevins, Peter Schupbach, and Myron Nevins.

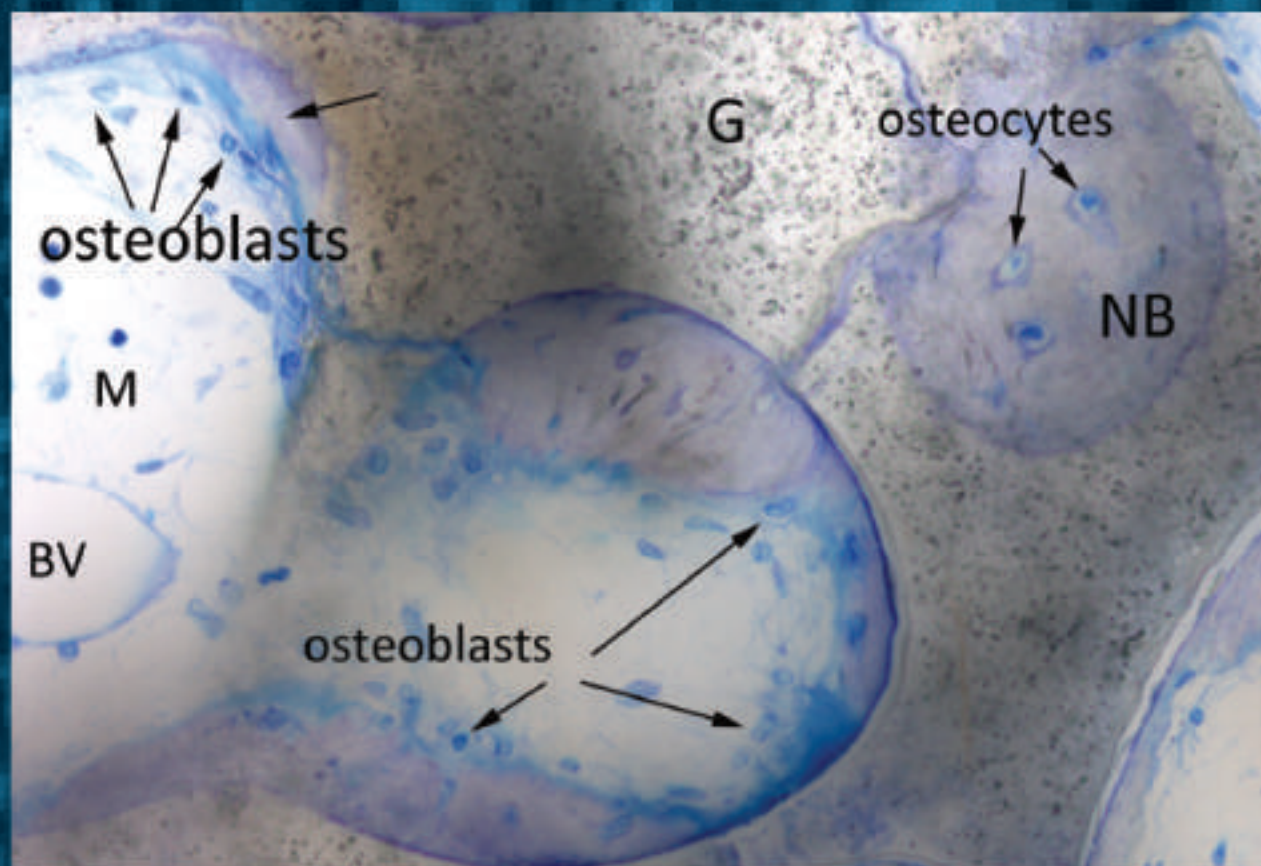


Figure 1
Ongoing new bone (NB) formation along the graft particle (G) surface by osteoblasts lining the osteoid

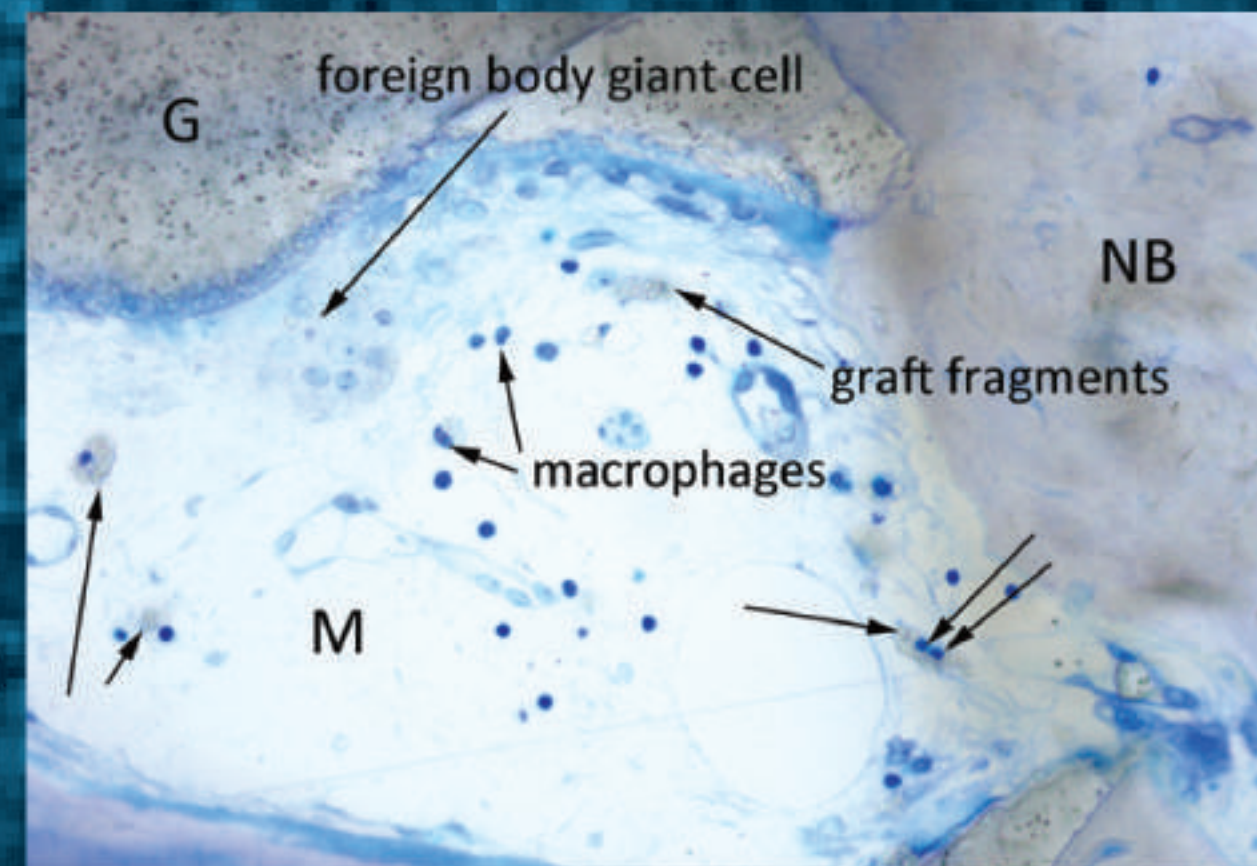
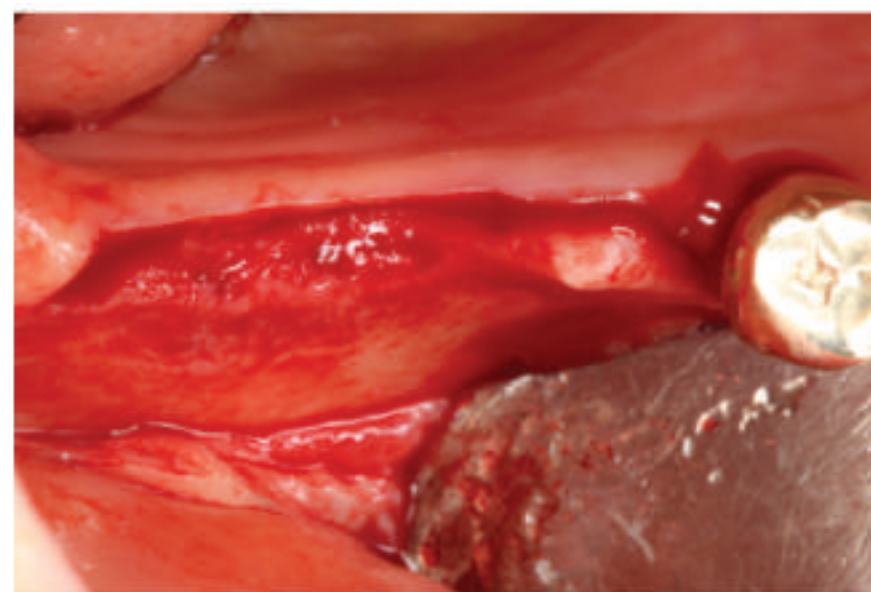


Figure 2
Fragmentation of the remaining graft (G) border by a multinucleated foreign body giant cell

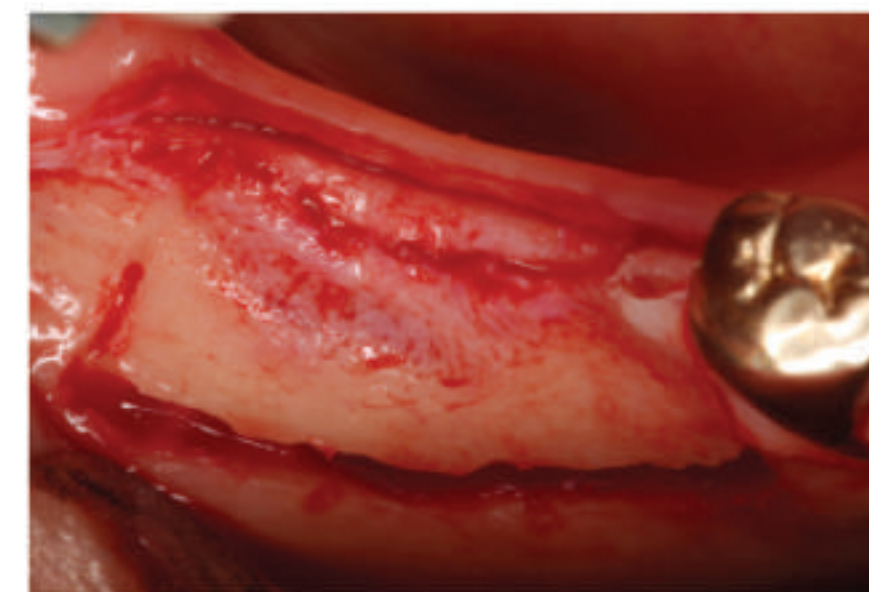
• Clinical Evidence



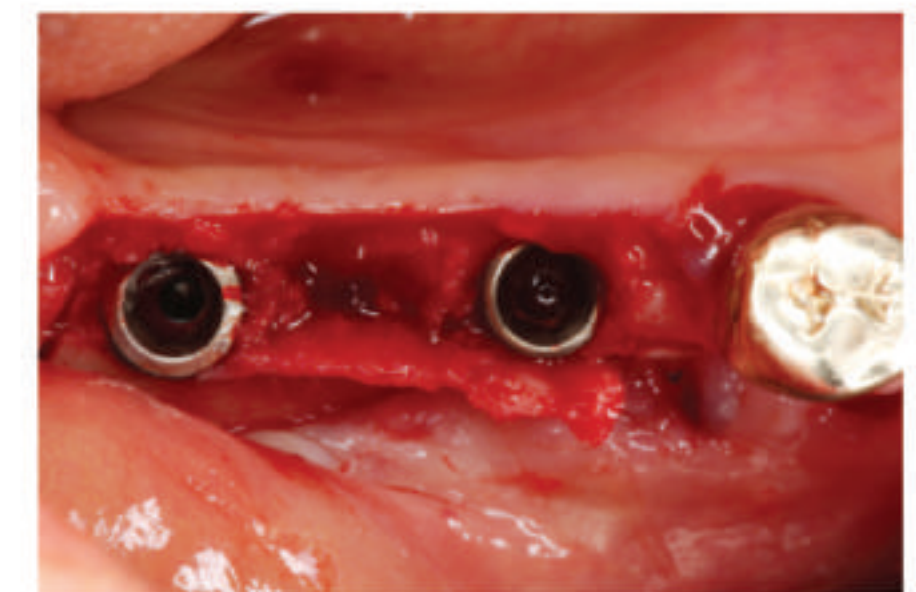
Pre-op



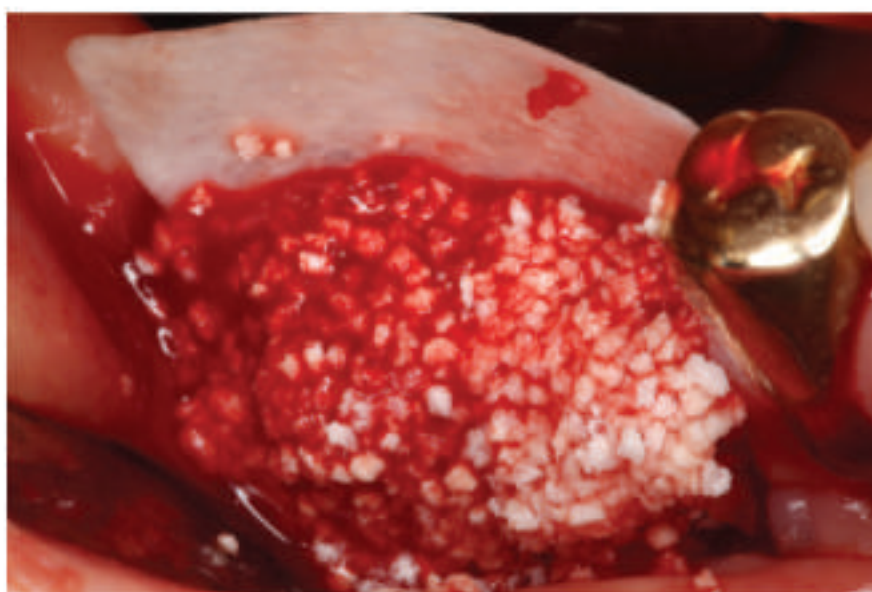
Flap Reflection



Ridge Splitting



Implantation



GBR
(OSTEON™ II + Collagen Membrane)



Healing 4M



Flap reflection
(after Healing 4M)



Final Prosthesis



DentiumUSA
Developed by Clinicians for Clinicians

6731 Katella Ave. Cypress, CA 90630
Tel. 1-877-304-6752 Fax. 1-714-226-0019
cs@dentiumusa.com



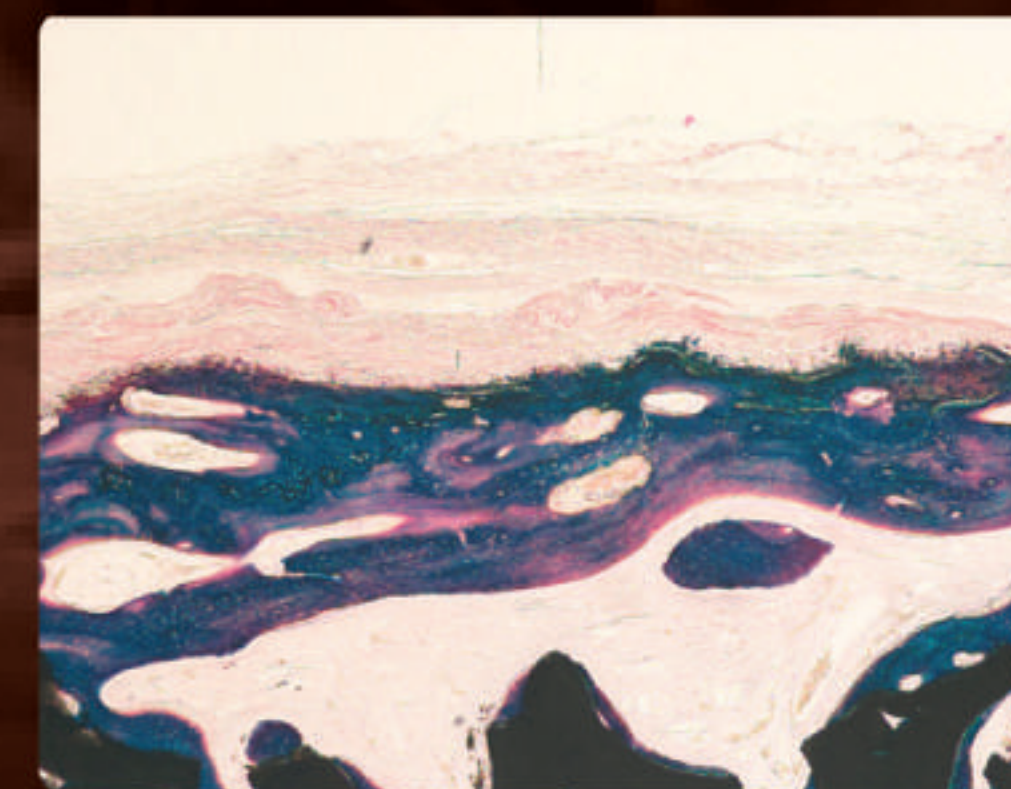
Total Solution for Sinus Graft Surgery

Collagen

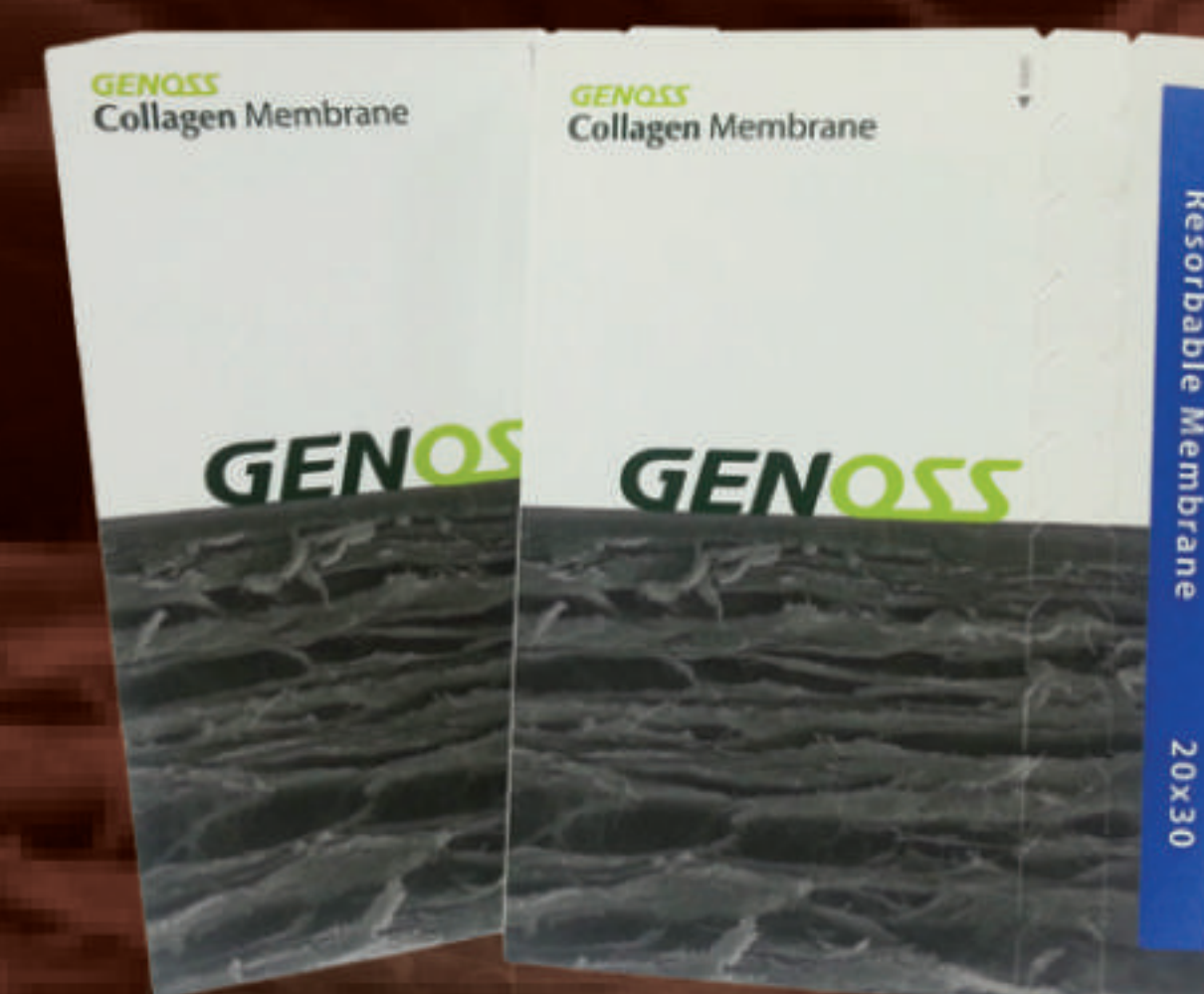
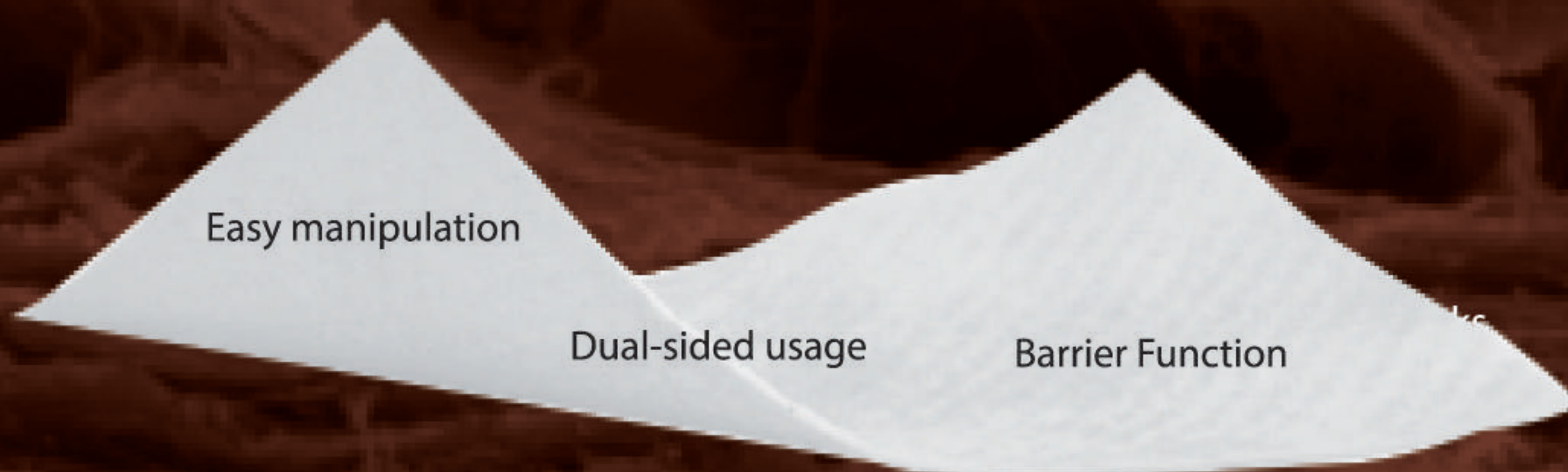
Membrane

- Highly pure type 1 collagen
- Thin membrane (300µm) with multiple layers
- 6 months resorption period provides enough time for stabilizing graft materials and supporting bone to grow.
- Multiple-layered structure enables more effective bone regeneration by sparing enough space for hard tissue formation and facilitates proliferation of osteoblasts.
- Easy manipulation
- Dual-sided usage
- Size: 10x20, 15x20, 20x30 (mm)
- Thickness: 0.3mm

Rabbit Calvaria Model - 6-12 weeks



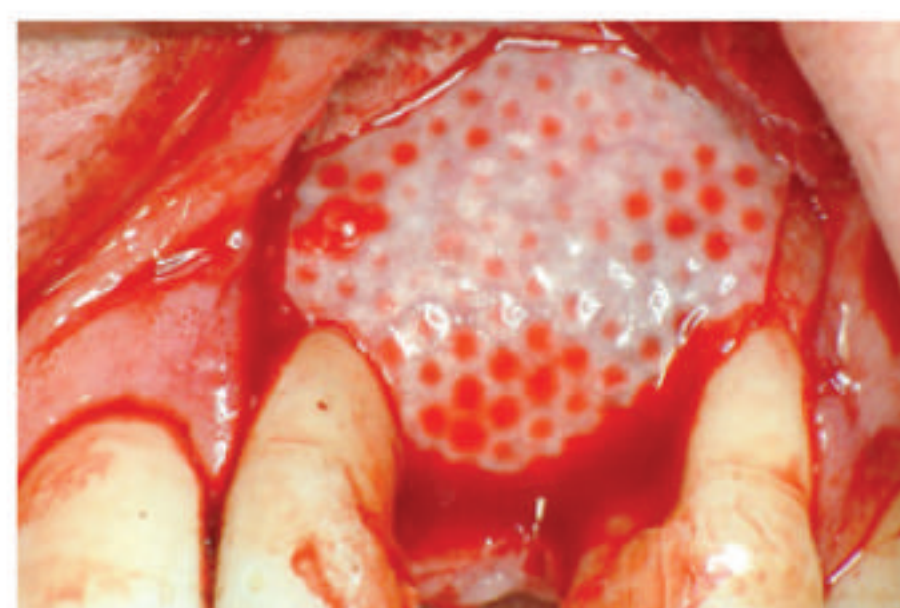
Biodegradable barrier membrane for guided bone / tissue regeneration



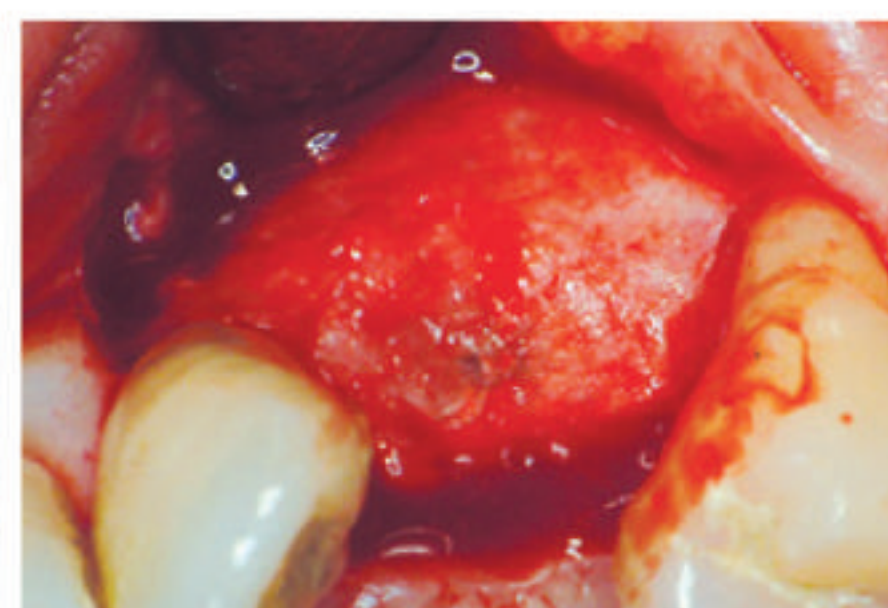
• Clinical Evidence



Implantation



Collagen Membrane



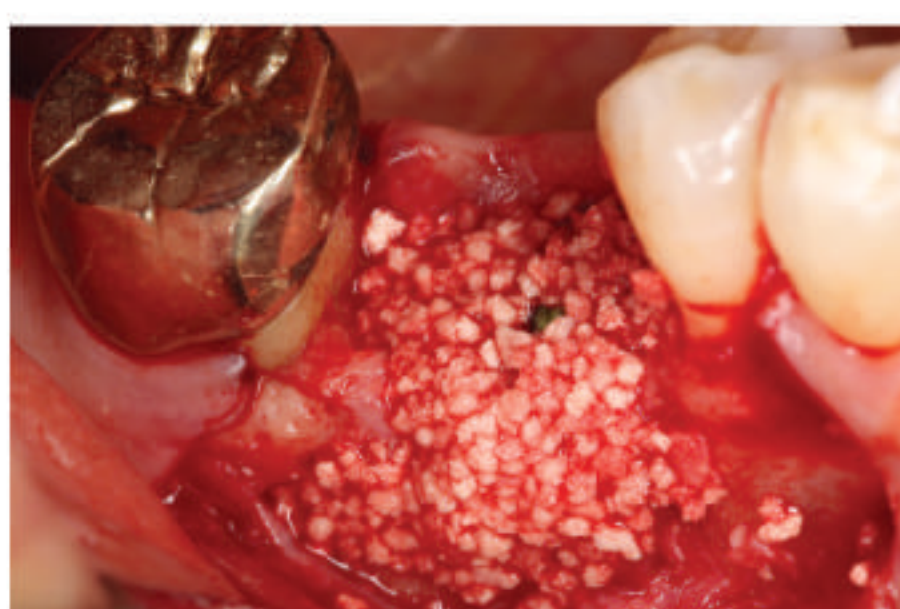
4 months healing



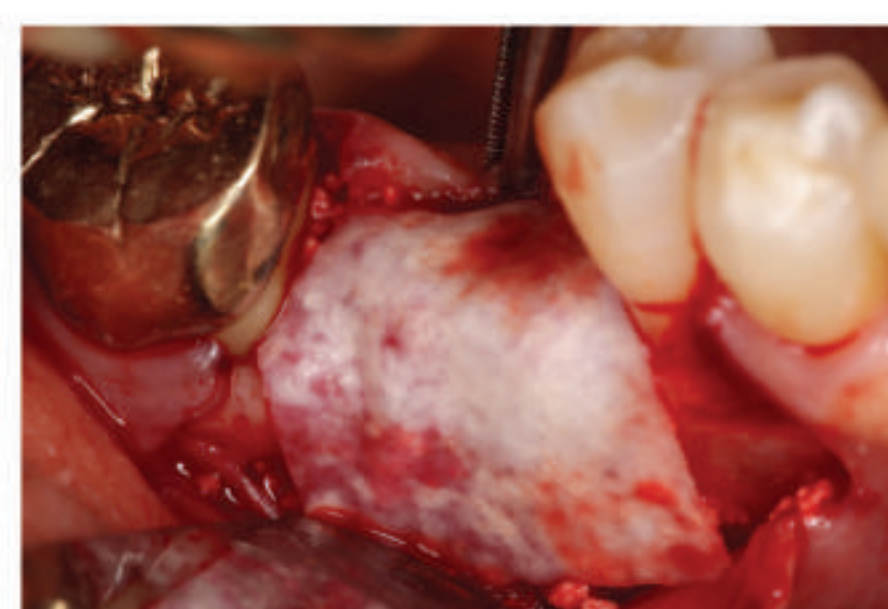
Final prosthesis



SuperLine 4510



OSTEON™II



Collagen Membrane



5 months healing



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