

Osteoallograft™ Periomix™

Real Bone Allograft. Naturally Osteoinductive.

Veterinary Transplant Services, Inc. is the world's first animal tissue bank. We have provided the veterinary community with natural bone allograft for canines and felines since 1996 and are now introducing Osteoallograft™ Periomix™ for equine patients.

NOW AVAILABLE FOR EQUINES !!



Use Osteoallograft™ Periomix™ for:

- Horizontal and vertical bone loss
- Tooth extractions
- Filling mandibular bone cysts
- Fracture of the mandible
- Any other void filling or bone augmentation procedure that would benefit from grafting

Compare for yourself:

	No graft	Bone Substitute	Autograft	Real Bone Allograft
Easy to Use	✓	✓	✓	✓
Osteoconductive		✓	✓	✓
Osteoinductive			✓	✓
Osteogenic			✓	
Pre-demineralized for immediate access to growth factors				✓
No harvesting necessary	✓	✓		✓



- ✓ While autograft has the advantage of being osteogenic, allograft is demineralized before it is placed into the surgery site allowing for immediate access to growth factors. This offsets the advantage of osteogenicity and helps to make allograft as effective as autograft.^{1,2}
- ✓ Not having to procure autograft reduces your surgery time and cost. And you avoid the potential morbidity associated with autograft procurement.^{3,4} Because allograft is as effective as autograft and makes graft harvest unnecessary, allograft is the grafting option of choice.^{1,2}



VETERINARY TRANSPLANT SERVICES, INC.

215 East Titus Street
Kent, WA 98032 USA
www.vtsonline.com

P: 253.520.0771
800.558.5223
F: 253.856.1830

Why use bone allograft in periodontics?

Up to 34% of horses of all ages experience some level of periodontal disease and up to 60% of horses 13 years of age and older suffer from severe periodontal disease.⁵ Because of an increased understanding of systemic effects as well as morbidity and pain caused by periodontal disease, periodontics is emerging as a brand new field in equine dentistry.

Here is why small animal veterinarians and human periodontists use bone allograft in periodontics:

After Extractions:

Applying bone allograft after tooth extractions quickly restores bone in extraction sites.^{6,7} And due to its osteoinductive growth factors, natural allograft restores bone faster and stronger than bone substitutes.^{6,8-10}

Why restore bone in extraction sites?

- Unfilled extraction sites can harbor bacteria and enable progression of periodontal disease, which in turn causes **further bone and tooth loss** and can have **systemic effects**
- Leaving deep extraction sites unfilled can result in weakened bone with the potential for **pathologic fracture**

For Tooth Preservation:

Applying bone allograft around exposed roots rapidly restores bone lost due to periodontal disease and results in reconstruction of the attachment apparatus thus preserving teeth.⁶⁻⁸

Why restore the attachment apparatus?

- Allows you to **preserve teeth** rather than extracting them or risking exfoliation. Missing teeth result in a lack of stimulation of the underlying bone structure, which can result in bone loss.
- If exposed roots are left untreated, **periodontal disease and bone loss** will continue
- Bone loss can result in **exfoliated teeth**, weakened bone, or **pathologic fracture**
- Periodontal disease has **systemic effects**
- Exposed roots are likely to be **painful**

More than 30,000 grafts successfully used in small animal settings:

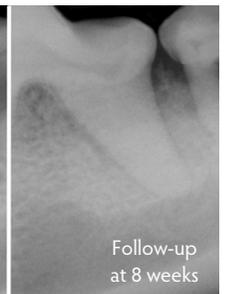
Mix with saline or patient blood.



Pack into extraction site, around roots, or into other bone loss site.



Pre-Op



Follow-up at 8 weeks

High quality allograft provided by tissue banking professionals! Start using it today!

References:

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7. Mellonig JT. Bone allografts in periodontal therapy. Clin Orthop Relat Res. Mar (324): 116-125, 1996.
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10. Meadows CL, Gher ME, Quintero G, Lafferty TA. A comparison of polylactic acid granules and decalcified freeze-dried bone allograft in human periodontal osseous defects. J Periodontol. 64: 103-109, 1993.