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™ Orthomix™ for equine patients.

Use Osteoallograft™ Orthomix™ for:

- Fracture repair
  - any type of fracture including sesamoid & navicular
- Arthrodesis procedures
- Bone voids and bone loss
- Spinal fusions
- Any other void filling or bone augmentation procedure that would benefit from grafting

Compare for yourself:

<table>
<thead>
<tr>
<th></th>
<th>No graft</th>
<th>Bone Substitute</th>
<th>Autograft</th>
<th>Real Bone Allograft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Easy to Use</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Osteoconductive</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Osteoinductive</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Osteogenic</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pre-demineralized for immediate access to growth factors</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No harvesting necessary</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td>✔</td>
</tr>
</tbody>
</table>

While autograft has the advantage of being osteogenic, allograft is demineralized before it is placed into the surgery site allowing for immediate access to native growth factors. This offsets the advantage of osteogenicity and helps to make allograft as effective as autograft.1-3

Not having to procure autograft reduces your surgery time and cost and you avoid the potential morbidity associated with autograft procurement.1-5 Because allograft is as effective as autograft and makes graft harvest unnecessary, allograft is the grafting option of choice.1-3
**Why graft?**

**Faster healing**
Bone will heal faster when voids are filled with bone graft, because it provides osteoconductive scaffold for host bone to grow on and native, osteoinductive BMPs that attract osteoblasts to the site. Even when there are no voids, bone graft provides these same advantages.\(^6\) The structural strength of the graft can be expected to increase rapidly after the first 10 days.\(^6\)

**Successful cases**
Faster healing not only gets your patients back to normal activity faster, it also increases the chances of a successful healing outcome.\(^6\)

**Why use allograft?**

**Bone autograft is not free.**
Autograft harvesting takes costly surgical time. Using bone allograft allows you to skip autograft harvesting, which reduces your surgical time and cost.\(^9\) Allografts also eliminate donor site complications.\(^4\) In humans, the morbidity rate associated with the collection of bone autograft is over 25%.\(^5\)

**Osteoinductive and proven.**
Studies show that allografts are as effective as autograft in long term bone healing.\(^1-3\) Bone allograft is the only readily-available alternative to autograft that is both osteoinductive and osteoconductive. Both properties are needed for optimal bone healing.\(^10\)

**Increased availability.**
Bone allograft eliminates restrictions caused by limited availability of bone autograft. In many cases, usage of larger amounts of bone graft completely filling the defect results in faster and better bone healing.\(^8\)

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

- **Mix with patient blood or bone marrow.**
- **Apply Osteoallograft\(^TM\) to surgical site.**

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

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**References:**