

## For more information

Every patient is different and patient results may vary. Only a trained clinician can determine the best treatment plan for you. Please ask your doctor to explain the benefits and risks to see if allograft bone from Osteotech is right for you. You can also find information on the web at [www.biohorizons.com](http://www.biohorizons.com).



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*Hard tissue grafting with  
MINERoss and GRAFTON DBM*

**Rebuilding and maintaining bone  
with allograft bone substitutes**

## Bone grafting for the dental patient

Most dental bone grafting procedures are done to restore your bone to its previous form following tooth loss, gum disease or trauma. Bone grafting may also be used to maintain bone structure after tooth extraction.

Restoring and maintaining facial bone structure is important for several reasons. Many dental procedures, such as implant placement, require that the bone be as close to its original dimension and position as possible for optimal results. Also, the jaw and other facial bones support the skin and muscle that are responsible for our outward cosmetic appearance. Without the support of the underlying bone, our faces can look prematurely aged.

## How does bone grafting work?

During the body's normal maintenance cycle, specialized cells in the blood continually enter your tissue to remove damaged cells and replace them with new, healthy cells.

Grafting procedures place a framework of material in the areas of missing bone into which these cells can enter and start the rebuilding process. Over time your cells will remodel the graft material into your own functioning bone.



## Where does bone grafting material come from?

Bone grafting material comes from several sources. Autograft bone is material that is taken from another point in the patient's body and transplanted to the desired site. It is a good graft material since it contains the patient's own cells, and carries no risk of disease transmission. The chief drawbacks are that it requires a second surgical procedure, and enough harvestable bone may not be easily available.

Allograft bone is material that was taken from an organ donor and processed to ensure its safety and improve the handling characteristics. The advantages of allograft bone are that it is readily available and does not require a second surgical site. Allograft bone has been well documented in clinical trials and has an excellent safety record.

## Allograft bone by Osteotech

Your doctor uses GRAFTON® DBM and MINEROSS® allograft bone that is processed by Osteotech, Inc., the leading supplier of allograft bone to the orthopedic and dental industry. Your doctor may use these products alone or in combination with another grafting material.

Osteotech has processed over 3.5 million grafts since 1986 with no confirmed report of disease transmission. They utilize donor bone recovered by reputable not-for-profit tissue banks. All processing is done under strict regulations and guidelines as set by the American Association of Tissue Banks (AATB) and the U.S. Food and Drug Administration (FDA).

## Allograft bone screening and safety

Each donor is extensively screened before the bone is accepted for processing. Testing for infectious diseases is performed. Key tests screen for HIV-1, HIV-2, Hepatitis B, Hepatitis C, and Syphilis. The bone then undergoes proprietary processing procedures that have been demonstrated to produce a consistently safe and effective product. It is then packaged into single-patient doses that are sterility tested and ready for implantation to help the body regenerate bone.

### Benefits of allograft bone

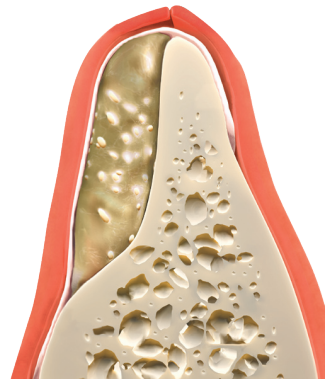
- Readily available
- No second surgical site
- Clinically proven effectiveness
- Great track record of safety

### Before...



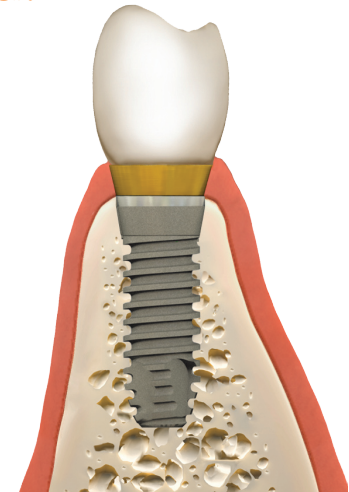
*Cross-section of a jaw that has lost volume following tooth loss. There is not enough bone to safely place a dental implant.*

### During healing...



*The patient's cells migrate into the allograft material and remodel it into new bone. Over time host bone will remodel to replace the allograft.*

### After.



*Restored jaw now has adequate room for placement of a dental implant to replace the missing tooth.*