More than a natural substitute.  
A long-lasting scaffold.

Straumann® XenoGraft is methodically processed from bovine bone and extensively tested to eliminate antigenicity and provide a favorable environment for new bone growth. Its slow resorption rate delivers extended stability—a critical advantage in cases that require a strong scaffold for long-term tissue support or esthetic needs.

EXCELLENT BIOCOMPATIBILITY
- Deproteinized and delipidized, then terminally sterilized via gamma irradiation
- Optimal balance of calcium and phosphate, comparable to human bone

DEPENDABLE STABILITY AND STRENGTH
- Creates a lasting scaffold with a favorable tactile feel when drilling for an implant site or osteotomy
- Slow resorption rate provides extended stability

OPTIMAL OSTEOINTEGRATION
- Low crystallinity provides a favorable surface to which new bone can adhere
- High porosity supports osteoconduction, enhancing integration of new bone

FLEXIBILITY TO MEET CLINICAL NEEDS
- Combine with Straumann AlloGraft to augment mechanical strength and to maintain ideal space for maximum bone volume
- Best suited for sinus lifts and horizontal augmentations

PROCESSING ASSURES COMPATIBILITY

Step 1: Bovine bone ground to particulate

Step 2: Lipids and proteins removed through vigorous washes and high-temperature heating

Step 3: Low crystallinity achieved at 600°C to create a favorable surface to which bone can adhere

Step 4: Terminal sterilization via gamma irradiation
SIMILARITY TO HUMAN BONE

<table>
<thead>
<tr>
<th></th>
<th>HA content (Ca/P ratio)</th>
<th>Crystallinity</th>
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<tbody>
<tr>
<td>Straumann® XenoGraft</td>
<td>1.679</td>
<td>Low</td>
</tr>
<tr>
<td>Human Bone</td>
<td>1.68</td>
<td>Low</td>
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</tbody>
</table>

CASE STUDY: LATERAL WINDOW SINUS AUGMENTATION

Baseline clinical situation
Panoramic view before sinus augmentation
Lateral window opening for sinus elevation
Sinus augmentation with Straumann XenoGraft
Window closure; resorbable membrane placed
Closure
Panoramic view just after sinus augmentation
Panoramic view 6 months after augmentation
Clinical situation 8 months after augmentation

Photos courtesy of Dr. Keun Young Chang

To learn more, contact your Straumann Territory Manager or Customer Service.

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