

# Tooth Loss Leads to Bone Loss



Maintain Your  
Chewing Ability,  
Facial Appearance  
and Quality of Life

Patient Booklet

## TOOTH LOSS LEADS TO BONE LOSS

When patients lose teeth, it is no surprise that they also lose some chewing function. But what many patients are surprised to learn is that tooth loss also leads to bone loss. In the first year following tooth extraction, patients can experience a 25% decrease in bone width and lose 4 millimeters of bone height.

In cases where all of the patient's teeth are lost, these changes in bone volume have serious effects on facial appearance and chewing capabilities. As bone loss progresses over time, dentures can become loose, often causing pain and compromising function even further.

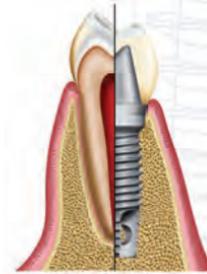
### Consequences of Bone Loss:

- Diminished support for the mouth and face
- Chin rotates forward
- Facial height collapses
- Chewing ability worsens over time



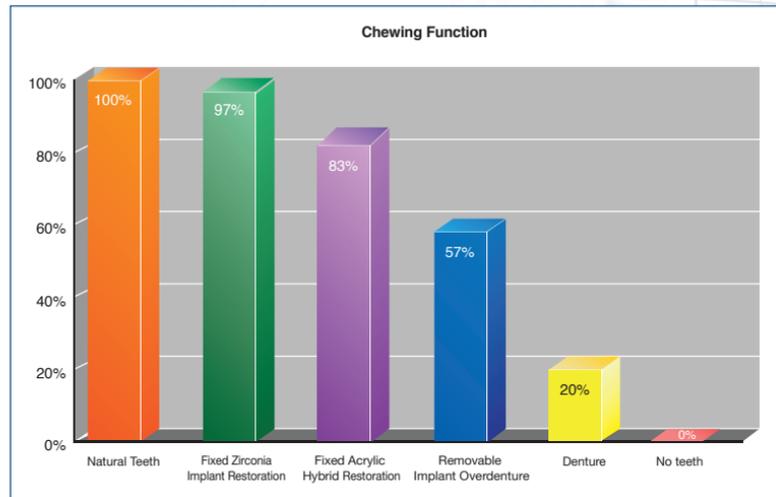
# HOW TO STOP BONE LOSS

Bone requires the stimulation of functioning teeth to maintain its height and width. To reduce or stop bone loss, the missing teeth must be replaced. This is only possible with dental implant treatment.



First, dental implants are placed, providing the stimulation needed to prevent bone loss and preserve the facial features in the absence of teeth. Then, a fixed or removable restoration is made that attaches to the tops of the implants, providing the appearance, chewing function and stability of natural teeth.

There are several restorative options available for dental implants. This chart explains the functional benefits of each option.



1. Al-Omiri MK, Sghaireen MG, Alhijawi MM, Alzoubi IA, Lynch CD, Lynch E. 2014.
2. Haraldson T, Zarb G. 1988.
3. Rismanchian M, Bajoghli F, Mostajeran Z, Fazel A, sadr Eshkevari P. 2009.
4. van der Bilt A, Burgers M, van Kampen FM, Cune MS. 2010.
5. Haraldson T, Karlsson U, Carlsson G. 1979.
6. Kapur K, Soman S. 1964.

# Upgrading to a Fixed or Removable Implant Restoration Can Be Simple

Ask your dentist about the various implant options available to you.

## Removable Implant Restorations

Implant overdentures have attachments that hold the denture in place by connecting directly to implants or an implant bar. Although still removable, implant overdentures significantly improve chewing function and quality of life compared to traditional dentures.

LOCATOR® OVERDENTURE



LOCATOR BAR OVERDENTURE



SCREW-RETAINED  
HYBRID RESTORATION



BRUXZIR® FULL-ARCH  
IMPLANT PROSTHESIS



## Fixed Implant Restorations

Fixed implant-supported bridges offer the maximum amount of stability and chewing function by permanently attaching to the implants. These restorations can only be removed by a dentist and thus come closest to the form and function of natural teeth.