

Repairing & Restoring Teeth

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Did you know that dental enamel is the hardest substance in your body? With a mineral content of 96%, your tooth's outer surface is harder and stronger than bone. Yet, even though your teeth are by nature designed to withstand the extreme and constant stresses of biting, chewing, and oral function, they are still vulnerable to decay, trauma, and damage.



The difference between teeth and other tissues in your body

While other tissues in your body can repair themselves following an injury, your teeth do not have this ability. For this very reason, dental fillings and different types of restorations are required. By placing a suitable restoration, our dentist can rebuild the natural form and function of your tooth so that you can continue to smile, eat, and speak with confidence and ease.

According to archaeological findings, for as long as dental problems have existed, there have been efforts to provide emergency and restorative care. In fact, attempts to place dental fillings have been found in the skeletal remains of people who lived around 8000 BC. Thousands and thousands of years later, in the 19th century, various metal fillings, including dental amalgam, appeared on the scene. Although gold achieved status as a popular restorative material, it was soon apparent that amalgam fillings, consisting of a mixture of mercury and an alloy composed of silver, tin, and copper, offered a less expensive, durable, and simpler alternative.

Until recent decades, the vast majority of dental fillings remained silver-colored, amalgam restorations. However, as dentistry has evolved in the last 50 years, new filling materials have been developed. While amalgam fillings are long-lasting and durable, today's newer materials offer the benefits of being mercury-free, metal-free, and much more aesthetic. These "tooth-colored or white fillings" invisibly restore the form and function of the involved tooth while seamlessly blending in with the remaining tooth structure and the entire smile.



What type of restoration is needed to rebuild your tooth all depends on the extent of the damage and the amount of remaining healthy tooth structure.

Some of the most popular choices in care include the following restorations:

For the front teeth, a minor chip or defect can sometimes be repaired or concealed with a dental bonding procedure or even a dental veneer. Both of these procedures provide functional and cosmetically pleasing results.

Dental fillings are most often placed to rebuild a decayed or damaged tooth when sufficient healthy tooth structure remains to support the restoration. Because tooth-colored fillings offer the benefits of being attractive, durable, and metal-free, they are the most popular choice in care.

A dental crown may be recommended to rebuild and protect your tooth when a cavity, cracked filling, or clenching and grinding have caused more extensive damage. It's also the restoration of choice when a tooth has undergone a root canal procedure. A completed dental crown looks, feels, and functions like your natural tooth.

Dental inlays and onlays are a type of indirect filling constructed outside of the mouth to the exact specifications of the prepared tooth. Ceramic inlays and onlays combine some of the benefits of fillings and some of the benefits of a crown.

Your trusted partner in care

As a skilled and experienced provider of care, your dentist possesses extensive knowledge of dental anatomy, oral function, restorative materials, and smile aesthetics. Whether your tooth has a small chip, a cavity, or fracture, you can count our your dentist to explain every option for restoring your tooth so that it looks great and functions at its best.