# Dental Crowns: Versatility and Advantages in Contemporary Dentistry

**Riley Harrison***

*Department of Oral Medicine and Surgery, Charles Darwin University, Casuarina, Australia*

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## Description

Dental crowns are an essential component of modern dentistry, providing both visual and structural advantages. With the help of these dental fixtures, a tooth's visible area can be effectively recovered to its original size, strength, form, and appearance. They are especially helpful in cases where a tooth has experienced severe damage from regular use, decay, or trauma. Many materials, like as porcelain, ceramic, metal, and composite resins, can be used to create crowns; each has unique advantages that vary based on the demands of the patient usually, attaining a dental crown requires two visits to the dentist. The dentist will remove any decay and shape the tooth before placing the crown during the initial session. Making space for the crown material and maintaining that it fits properly are the two primary objectives of this step. After taking an impression of the tooth, a mould is formed and sent to a dental lab so that a personalized crown may be made. To protect the prepared tooth in the time between procedures, a temporary crown may be positioned over it.

The patient makes a second appointment once the permanent crown is ready. The dentist removes the temporary crown during this visit and examines the permanent crown's fit and colour. The crown is fixed into place if everything is satisfactory on grade. This process improves the tooth's cosmetic appeal in addition to restoring its functionality. There are several advantages to different kinds of crowns. Because of their visually appealing appearance, porcelain crowns are a popular choice for front teeth. They may blend easily into the grin by being colour-matched to the neighbouring teeth. Similar in appearance but usually tougher and longer-lasting, ceramic crowns can be used on both front and back teeth. Metal crowns are known for their durability and strength. They are frequently constructed of gold or other alloys. They are an ideal choice for molars since they require less tooth structure to be removed and are capable of supporting biting and chewing forces well. Although they can be manufactured to match the natural colour of the tooth, composite resin crowns are less expensive and tend to wear down more quickly.

Depending on the material chosen and the patient's level of oral hygiene maintenance, dental crown lifetime varies. Crowns typically have a lifespan of five to fifteen years. The longevity of a crown depends on proper maintenance, which includes routine dental exams, brushing, and flossing. Another way to preserve the quality of the crown is to keep away from bad behaviours like biting your nails, grinding your teeth, or chewing ice. In addition to only restoring teeth, dental crowns have several uses. They frequently go hand in hand with further dental operations. To prevent the treated tooth from breaking, for example, a crown is usually placed over it following a root canal procedure. Dental bridges, which cover the space between two teeth to replace lost teeth, are also secured by crowns. They can also cover dental implants, which offer a practical and desirable tooth replacement for missing teeth.

Increasing the appearance of the teeth is one of the main benefits of dental crowns. An excellent quality crown can be used to restore teeth that are displaced, discoloured, or malformed. This improvement can increase confidence and improve one's overall health. Crowns can be used in cosmetic dentistry as a component of a dental transformation, which is a whole course of treatment designed to produce a more acceptable grin. According to any dental operation, there are possible risks and consequences related to dental crowns. After the crown is inserted, patients could become sensitive to extreme heat or cold. Usually, this sensitivity goes away with time, but occasionally, it might not go away and need some additional care. In addition, if the cement bonds breaks or the base of the tooth is not sufficiently prepared; crowns may come loose or fall off. Frequent dental check-ups are necessary to keep updated on the crown's condition and to quickly address any problems.

Advances in dental technology have resulted in the creation of complex materials and methods for the fabrication and installation of crowns. For example, at many dental offices, digital impressions have taken the place of traditional moulds, offering patients a more relaxing experience and more accurate results. Furthermore, crowns can be created in a single visit with the help of computer-aided design and computer-aided manufacturing technology, which eliminates the need for temporary crowns and multiple visits.

## Conclusion

In conclusion, dental crowns are a quick and affordable treatment for many kinds of dental problems. They improve facial features, repair broken teeth, and support good oral hygiene in general. Crowns can last for many years and provide beneficial advantages given the right maintenance and routine dental check-ups. Crowns are an essential component in modern dentistry as dental technology advances and patients are preparing for even better and more effective alternatives for treatment.

Corresponding author: Riley Harrison, Department of Oral Medicine and Surgery, Charles Darwin University, Casuarina, Australia Email: harrisonriley@gamil.com