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HOW DOES A DENTAL CROWN WORK?

FOR DR. ROZE BIOHEALTH CLINICS | 17.06. 2022

BIODENTAL

First of all, let us help you understand about crowns – dental crowns are teeth restorations that are also known as ‘tooth caps’ or ‘dental caps’. They provide a complete protective cover for a tooth above the gum line. **Crowns** are usually placed to strengthen the tooth, restore the natural shape and function of the tooth or as a dental implant.

Crowns are made from ceramic compositions which means they are strong, match your natural teeth, and expand, contract and function as natural teeth. They can be created to exactly fit your mouth using CAD/CAM (CEREC®) precision technology.

1/- what are the reasons that I may need a dental crown?

- Improve aesthetics of your smile – colour, shape, smile line
- Restore a broken or chipped tooth
- Strengthen a worn-down tooth
- Anchor for a dental bridge
- Cover a tooth that has undergone root canal therapy
- Protect a tooth that has been weakened due to decay or grinding (Bruxism)

2/- What is the procedure for fitting a ceramic crown?

The procedure for setting dental crowns will vary with individual cases depending on the health of your tooth and gums. The following is an overview of the general procedure that you may expect:

- Your dentist will perform an initial examination of your tooth and overall mouth, including X-rays to determine the best procedure that is necessary to restore your tooth to good function.
- A CAD/CAM single-appointment ceramic crown will be created on a CEREC® machine system which consists of a camera for precision measurements, a 3D computer and a ceramic milling machine.
- The surrounding tooth and gum will be thoroughly cleaned and any decay or old filling material will be removed. The tooth will be shaped along top and sides to make room for the crown to fit on top.
- Photos and precise measurements will be taken of the tooth and the placement area to create a virtual design of the crown that is needed, without the need for impressions.
- Ceramic samples will be used to exactly match the crown ceramic to your natural tooth colour.

- The data for the model is then electronically sent to our on-site milling unit in Doctor Roze Laboratory, which uses a diamond cutting tool to fabricate the crown out of a block of porcelain material.
- Once the crown has been created, it will be checked for fit and adjusted if necessary, before being permanently cemented onto your natural tooth.

You are now ready to eat, drink and speak like normal! Your new crown should last a life-time if you follow excellent hygiene practice and see your dentist at least twice per year for check-ups and professional cleaning. If you have any questions about having a crown placed or your existing crowns, please free to contact the specialists at Dr. Roze BioDental Clinics in Dubai.



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