

## What is a crown?

Where a tooth has become decayed or broken it is sometimes possible to provide a crown to replace the defective area thus restoring the appearance and function of the natural tooth.

## How is it made?

The remaining part of the natural tooth is modified and shaped by the dentist. In some cases, it may have to be root treated and a metal or non-metal insert placed to support the crown. An impression is then taken and sent to the laboratory.

The crown is then custom made in the laboratory to the individual shape, colour and contour of the original crown.

## Materials available

### Metal based

Non-precious base metal may cause some grey discoloration over a period of time to the gum around the crown.

Palladium / Gold Alloy is a white alloy that gives better vitality to the ceramic and has good tissue reaction.

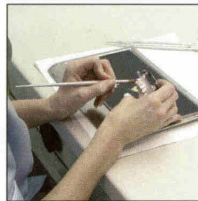
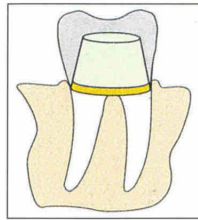
Yellow Gold gives a warm internal natural effect to the crown which can give an extra opalescence and natural appearance.

### Metal free

Belleglass is a resin based product which, when processed, has characteristics similar to natural teeth.

Empress is a glass like product which is softened and processed into a mould the shape of the tooth to be restored.

Procera is a very strong computer CAD-CAM design core with similar strength to metal. Porcelain is then built up to the correct shape of crown.



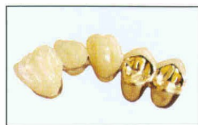
Laboratory



Non-precious /  
Porcelain



Platinum Alloy /  
Porcelain



Yellow Gold /  
Porcelain

## Crown options

### Metal based

A metal casting is made with selected metal. This is then coated with ceramic which is fused on to the metal to replace the individual colour and shape of the original natural tooth.

In some situations, a full metal crown needs to be made when a molar or back tooth needs to be restored. This can be made in white or yellow metal.

### Non-metal

In some cases, where appearance is the prime concern, metal free restorations increase vitality.

### Chameleon / Fortress

Chameleon / Fortress crowns are made with a strong porcelain and are bonded to the remaining part of the natural tooth.

### Belleglass

Belleglass crowns are made with a ceromer resin material giving a very natural feel in the mouth.

### Procera AllCeram

Procera AllCeram crowns offer the ultimate in strength and appearance. The strong computer formed core is as strong as metal but its translucent core allows light to penetrate to the gum to enhance the final result and appearance.



Gold shell



Before



After



Before



After



Before



After

Only a full clinical examination will determine what treatment options are possible