



# Replacement of missing teeth

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# Why?

- ▶ FUNCTIONAL IMPROVEMENTS
- ▶ AESTHETICS/COSMETICS
- ▶ SPEECH
- ▶ PREVENT MOVEMENT OF OTHER TEETH (OCCURS IN 90% OF CASES - 30% OF THESE MOVEMENTS ARE DRASTIC).

# Dentures

- ▶ DENTURES ARE REMOVABLE ACRYLIC (PLASTIC) OR METAL (CHROME) PLATES WITH WHITE DENTURE TEETH ATTACHED TO THEM.
- ▶ THE TEETH ARE SHAPED AND SHADED TO GIVE THE BEST POSSIBLE COSMETIC RESULT.
- ▶ PINK ACRYLIC CAN BE USED TO REPLACE/MIMIC SOFT TISSUE AND GUM THAT HAS BEEN LOST AFTER TOOTH EXTRACTION.
- ▶ USEFUL FOR REPLACING MULTIPLE TEETH IN ONE GO
- ▶ THEY CAN BE PROVIDED IMMEDIATELY AFTER TOOTH EXTRACTION SO YOU NEVER HAVE TO GO WITHOUT TEETH (THESE DENTURES USUALLY NEED TO BE REMADE AFTER HEALING, 6-8 WEEKS).

# ACRYLIC PLASTIC VS CHROME METAL DENTURES

## ▶ ACRYLIC

- ▶ Strong, good cosmetics, good function, can have teeth added to it if more teeth are lost in the future.
- ▶ Can break easily, can be loose and/or rock frequently, can be bulky and cover large portions of your mouth as it needs to be thick to be strong enough to last (this can affect speech and taste).

## ▶ CHROME METAL

- ▶ Stronger, good cosmetics (in some cases metal can be seen from certain angles), better retention and stability inside the mouth as we can use clips and clasps, more lightweight than acrylic, covers less of your mouth (less affect on speech and taste).

# Comparison



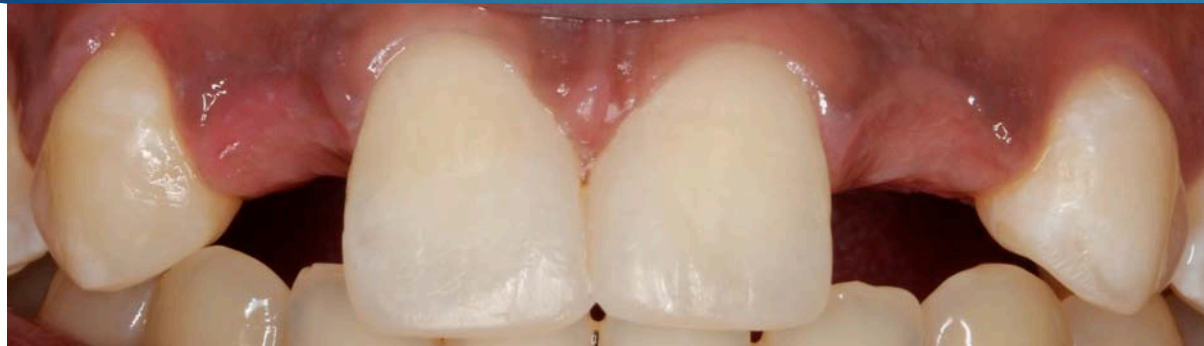
# Bridges

- ▶ Sticky resin retained bridges
  - ▶ Easy, quick, painless, no anaesthetic, last 7-8 years, if they fail they can usually be recemented quickly and painlessly, no damage to the adjacent teeth (and therefore less nerve issues), good cosmetics.
  - ▶ Take a little time to get used to the new bite, cant replace multiple adjacent missing teeth, don't last as long as conventional bridges.
- ▶ Conventional bridges
  - ▶ Last many years, great aesthetics, can replace multiple adjacent teeth, can use pink ceramic to mimic lost gum tissue, useful if adjacent teeth have big restorations or existing crowns.
  - ▶ Complex, treatment duration is longer than sticky bridges, requires anaesthetic, damaging to adjacent teeth, can cause nerve issues in adjacent teeth, when they fail they often break the adjacent teeth and are difficult to recement.

# Conventional bridges



# Sticky bridges







SPACE



BRIDGE



DENTURE





# Implants

- ▶ ARE TITANIUM FIXTURES WHICH REPLACE THE ROOT(S) OF MISSING TEETH IN THE JAW BONE.
- ▶ THEY ARE INSERTED USING A SURGICAL PROCEDURE.
- ▶ THEY ARE THEN LEFT TO INTEGRATE WITH YOUR JAW BONE BY FOOLING YOUR HUMAN BONE INTO THINKING THAT THE TITANIUM ITSELF IS ALSO BONE.
- ▶ ONCE IT HAS INTEGRATED A CROWN OR BRIDGE IS THEN SCREWED OR CEMENTED ONTO THE TITANIUM FIXTURE TO REPLACE THE TOP WHITE CROWN PORTION(S) OF THE MISSING TOOTH/TEETH.
- ▶ THE ENTIRE TREATMENT PLAN CAN TAKE UP TO 9-12 MONTHS AND REQUIRE TWO SURGICAL VISITS PERFORMED UNDER LOCAL ANAESTHETIC.



▶ PROS

- ▶ Excellent aesthetics and cosmetic appearance, last a very long time (more so than other options), don't require any treatment or damage to adjacent teeth, a useful fixed option for the replacement of multiple adjacent teeth (instead of having to use a denture), can be used to retain a fixed crown or bridge or even a removable denture to replace all the teeth in the mouth.

▶ CONS

- ▶ Surgery is required, long treatment process compared to other options, more expensive than other options, can fail to integrate depending on your biology, complications can be tricky to remedy, you must be fit and healthy with excellent oral hygiene and a non smoker ideally, bone grafting may be needed.



SINGLE CROWN





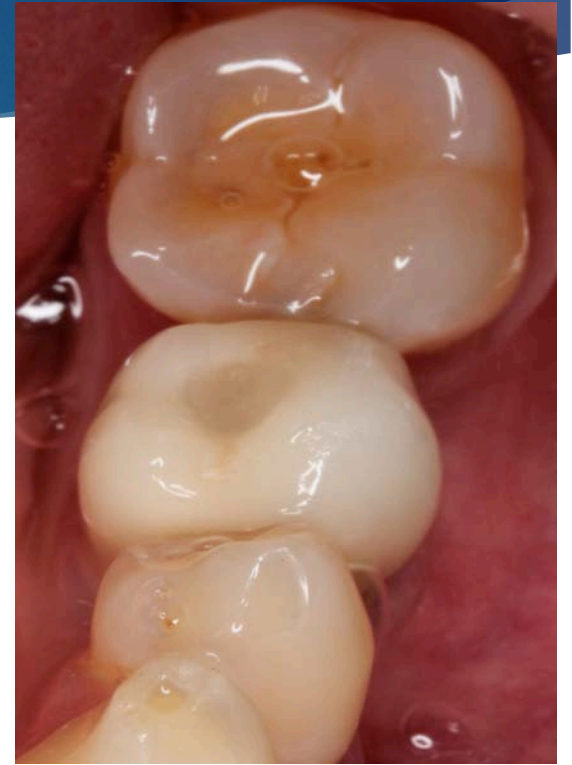
REMOVABLE OVERDENTURE



FIXED REPLACEMENT



IMPRESSION



CROWN



FINAL BRIDGE AND RESTORATIONS