

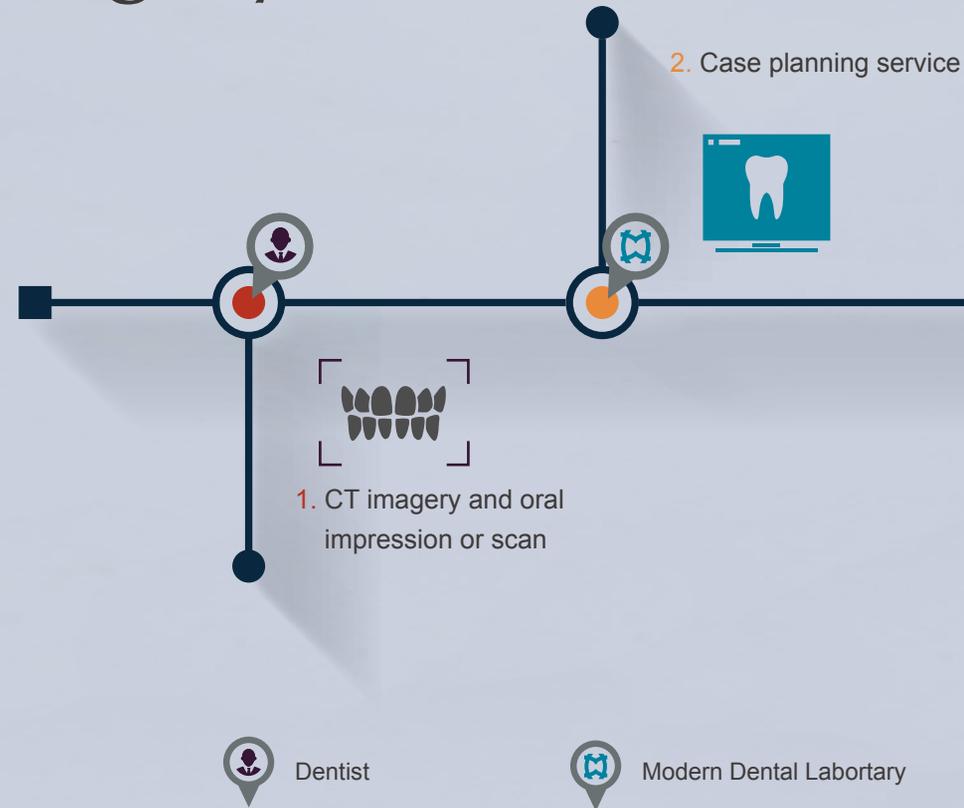
# Implant Solutions

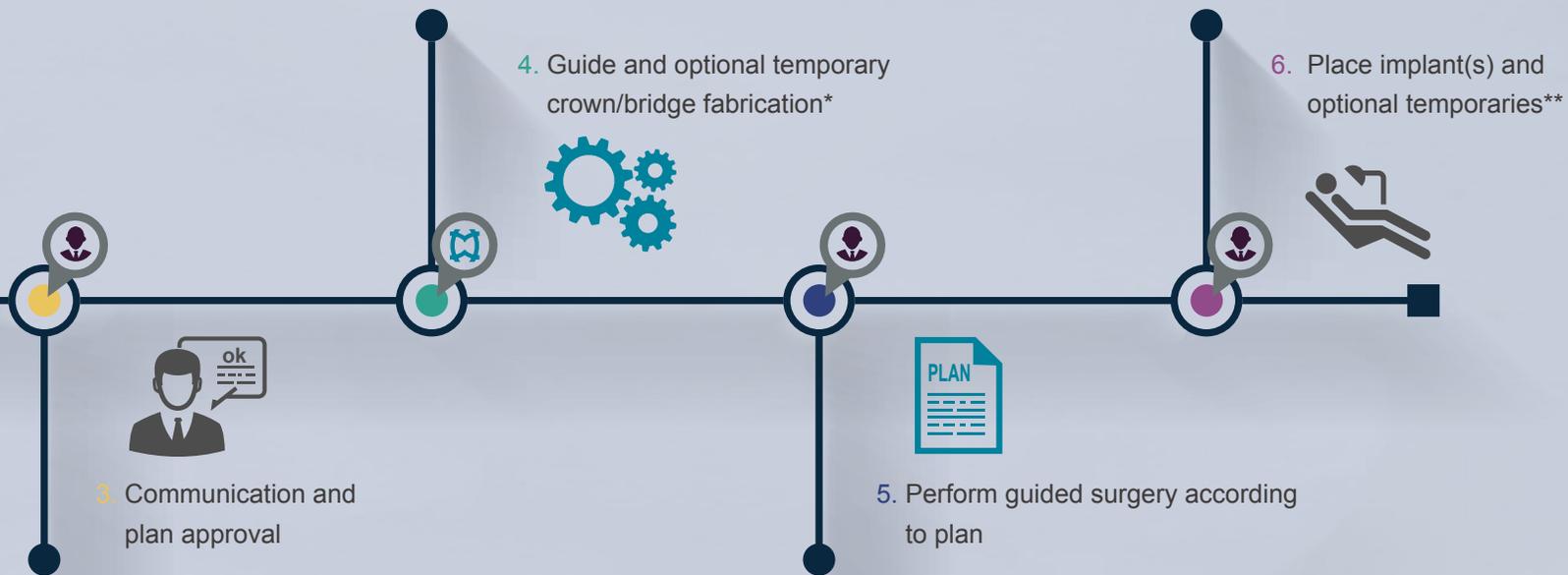


# Guided Implant Surgery

The application of computed tomography (CT) and the use of computer software in implantology have significantly increased in the last several years. With the latest technology, guided implant surgery is the new standard to achieve accurate, predictable, and safe implant placement. It provides greater patient satisfaction and simplifies the treatment process.

Our in-house implant experts are equipped with the latest surgical software to guide you through the case planning process. Once we receive your approval on the case plan, a high precision surgical guide is fabricated from a compatible material using our state-of-the-art 3D printers. If the situation allows, we can optionally produce the temporary crown or bridge, which will be delivered with the surgical guide.





\* Please refer to Guide Implant Surgery leaflet for further information

\*\* Clinician is solely responsible for deciding whether immediate temporization is suitable

# Impression Technique

A key step in restoring the patient's smile is to have an accurate impression. Traditionally, this is done with either a closed tray or an open tray. With the advent of intra-oral scanners, you can now also take implant impressions optically with the help of specially made intra-oral scan-bodies.



# Restorative Options



# Cement Retained Restorations

Our implant solutions include a wide range of abutments designed to successfully meet all implant indications. Depending on the situation, a customized abutment can provide a better emergence profile while improving support to the prosthesis. For full ceramic restorations, the translucency of the crown or bridge material needs to be considered when selecting an abutment to ensure the aesthetic outcome is not compromised.





# Anodized Abutment

Anodization is a process used to increase the thickness of natural oxide layer of metal parts. Colour is caused by interference of light reflecting on the oxide surface and the underlying metal surface. Gold-coloured anodized abutments give a warm tone and blends in better with the surrounding soft tissues. An anodized abutment in gold colour will also give off a more natural appearance when used with translucent full ceramic crowns.



# Zirconia Abutment

Today, zirconia is considered by many clinicians as the material of choice for abutments. Zirconia is exceptional for soft tissue compatibility and compliments the aesthetics of any full ceramic restorations on top. If necessary, pink porcelain can also be layered directly onto the abutment.



# Screw Retained Restorations

It is always nice to have the option to easily remove an implant crown or re-tighten the screw if the need were to ever arise. Screw retained restorations eliminates the risk of residual cements. We can fabricate single to full arch screw retained restorations with a zirconia or metal framework depending on your preference.



# All-on-4<sup>®</sup>

All-on-4<sup>®</sup> refers to the use of a minimal of 4 implants to restore patients who have lost most, if not all of their teeth. It allows for an easier way to achieve this goal with less incisions and shortened healing times. Many restorative options are possible for All-on-4<sup>®</sup> patients. However, the most efficient method involves fabricating a fully milled titanium bar which is then finished with acrylic teeth and gums.



Being able to have a screw-retained restoration eliminates residual cement problems. However, sometimes the screw channel is not in an optimal condition. Our unique MTX technology allows the screw channel to be altered by up to 25° from the implant axis. This allows much more flexibility to go cement-free.



# PermaForm

## Fixed Denture System

This full arch restoration is designed to deliver a superior product with a unique set of advanced features. Each monolithic crown (full zirconia, e.max® or Vita Enamic®) is digitally designed and stored for a minimum of 15 years. Therefore, compared to a traditional bridge, the crowns can be individually replaced should any become damaged later on.

Our special anodized pink coloured framework is almost invisible under the artificial gums and gives off a natural colour tone for the ceramic restoration on top. Finally, a protective layer seals the restoration, reducing staining and plaque adhesion.

\* Please refer to PermaForm Fixed Denture System leaflet for further information



# Fully Customized Crowns on Framework

For patients who want the ultimate fixed restoration, we can start with a fully customized metal or zirconia framework. Each individual crown is then made according to the patient's needs in any material desired. Finally the fully customized gingival covers the framework and completes the prosthesis.



# Implant Overdentures

For patients who prefer or require a removable restoration, we can produce overdentures combined with a variety of bar designs to suit their needs.



