

Overdenture with Bar/Clip and Ceka Attachments

Condensed Clinical Appointment Sequence



Appointment 1: Primary Impression

Record the primary impression with stock tray. A preliminary impression is recorded over the healing abutments or the temporary abutments, providing the laboratory with a preliminary working cast. This preliminary cast will provide the restorative dentist and the laboratory with the initial criteria for final prosthetic abutment selection and allow for construction of a custom tray for the final impression.

Allow 5 working days in laboratory for fabrication of custom tray.

The existing denture will need to be relieved in the areas of the healing abutments and incision sites and soft lined with a conventional liner.

Appointment 2: Master Impression

Place final abutments or inserts and check for proper fit and tightness.

Place the transfer components.

Make sure the base of the abutment is flush with the surface of the implant. This relationship can be verified radiographically to ensure complete seating.

Record the final impression. A firm body impression material is recommended i.e. Polyether (Impregum, Polygel) or a firm body, Polyvinylsiloxane.

Please use the duplicate denture technique to copy the patient's existing temporary denture. This will be used as a preliminary bite registration, and will therefore enable us to produce a more accurate screw-retained bite block.

Send impression to Waters Edge Ceramics for fabrication of the master stone, soft tissue cast, verification index and occlusal record bases.

Allow for 5 working days in the laboratory.

Appointment 3: Centric Jaw Relationship/Verification Index

A Verification Index and bite registration are fabricated to aid in the evaluation of the master cast, and to help ensure that each implant bar or bridge framework will be cast and delivered with a passive, accurate fit.

Visibly check to see if the index seats passively on the abutments, then use gentle finger pressure to determine if there is a discrepancy in fit (rocking, fulcrum or gap).



If there is a discrepancy, simply cut the framework and reassemble to the corrected position. Once the individual sections are firmly secured to the abutments with the fixation screws, lute the reassembled framework together with light cure resin, GC Pattern Resin, or Duralay. Then take a new impression over the verification jig.

Remove the assembly from the mouth and secure it to the proper analogs, using the fixation screws. Place the assembly into a stone paddy and send to the laboratory. Waters Edge Ceramics will then retrofit the master cast to the position of the corrected verification index.

The framework can now be waxed and cast with the assurance of an accurate master cast.

Secure the occlusal record base with the fixation screws and record vertical and centric jaw relationship. Contour the rim and relate any conventional landmarks; then record mould and shade selection.

Send verification index and centric jaw relationship to Waters Edge Ceramics. Allow 5 working days in laboratory for wax setup for try-in.

Appointment 4: Wax Setup for Try-in

Evaluate wax setup for proper esthetic display, vertical and centric relationship.

Return to the laboratory for fabrication of the Bar. Allow for 10 working days in laboratory.

Appointment 5: Try-in Bar

Try in bar using the Sheffield test and evaluate passive fit to the prosthetic abutments.

If there is any rocking or any gap exists between the bar and the abutment please contact the laboratory (and ask for Tony Mallinson) for guidance, or to discuss the case.

If the bar try-in is successful, return the case to Waters Edge Ceramics for finishing. Please allow for 5 working days in the laboratory.

Appointment 6: Delivery

Secure the Hadar Bar with fixation screws and seat the overdenture over the bar. Demonstrate to the patient how to clip the denture onto the bar.

Evaluate esthetics, fit and occlusion.

Instruct patient on proper home care and oral hygiene considerations.