

DIGITAL PROTOCOL FOR FULL ARCH RESTORATIONS

There are many key factors in assuring final restorative success. These include: using implant platforms that support multi-unit abutments, implant placement, verification of implants through the use of jigs, mounted models, and creating realistic patient expectations. Communication between treatment team members is key.

When evaluating a candidate for an All-on-4 type treatment, the most essential components are the patient's current aesthetics and function. It is important to identify the patient's smile line and vertical occlusal space. If there are problems in these areas, now is the time to correct them.

AFTER IMPLANT PLACEMENT, THE FOLLOWING STEPS WILL BE USED TO FABRICATE THE APPLIANCE:

1. Communicate to CCDL the brand, size and tooth position of each implant. CCDL will then supply the corresponding scan bodies.
2. Place the corresponding scan bodies into implant platforms and insure they are fully seated by taking a verification radiograph. Then scan the opposing arch.
3. Send CCDL the scan. A verification model will be printed and returned to you with a verification jig and wax rim (this is used to establish VDO).
4. Seat the jig. If you are unable to seat the jig, rescan the arch with the scan bodies. (If a second printed model is produced and cannot be confirmed, the protocol must be switched to a traditional impression sequence)
5. CCDL will mount the case on a fully adjustable articulator. A try-in denture will be constructed to confirm patient bite, phonetics and esthetics.
6. Try in the wax setup. If any adjustments are needed, please note them and return to the lab. CCDL will then scan the denture to create a bio-copy for final design.

IF TREATMENT PLANNING FOR A FULL CONTOUR ZIRLIFE BRIDGE, THE FOLLOWING STEPS WILL BE USED TO COMPLETE THE APPLIANCE:

1. Classic Craft Dental will mill a PMMA full contour bridge for the patient to wear for 2-4 weeks to confirm esthetics, phonetics and bite. Multi-unit abutments and custom connections will be returned with the case for placement.
2. The dentist will return the PMMA to the lab for the custom connections to be removed from the PMMA and fused with the ZirLife bridge. Patient will wear their existing denture during this brief period. Relief areas may be required in the denture if the platform of the multi-unit abutment interferes with denture seating.
3. A fully contoured ZirLife bridge with custom connections will be returned for final seating.

IF TREATMENT PLANNING FOR A HYBRID SCREW-RETAINED DENTURE WITH TITANIUM BAR, THE FOLLOWING STEPS WILL BE USED TO COMPLETE THE APPLIANCE:

1. CCDL will mill an engaging or partially engaging titanium bar for try-in. Multi-unit abutments are NOT required for this type of prosthetic appliance. CCDL will supply any special drivers required for angle correction. Maximum angle correction is 30 degrees.
2. The milled bar with teeth in wax will then be tried in to verify passive placement and then returned to the lab for processing.
3. Classic Craft Dental will return the Hybrid Screw-Retained Denture with Titanium Bar for final placement.

