

# Clinical Procedure: Full Arch Fixed Provisional

Variation: Single Arch (Abutment Level)

## First Appointment (5 Days In-Lab turnaround time)

(Impressions, Jaw Record & Shade)

- Capture impressions of maxillary and mandibular arches
- Capture bite (centric or MIP)
- Capture horizontal reference (Kois Facial Analyzer recommended)
- Capture Clinical Photos (Full face, full smile, repose, and profile (email to [info@PetersonDentalLab.com](mailto:info@PetersonDentalLab.com)))
- Complete Full Arch Fixed Provisional RX
- Complete Full Arch Esthetic & Functional Work-up form

**Peterson Dental Laboratory** will provide an abutment guide and bite shell for surgery.

## Surgical Appointment (Impressions must be ready by 12:00pm. Call by 11:00 if running behind)

(Implant Placement, Abutment Placement, Impression and Occlusal Record)

- Place implants
- Place abutments
  - Insert abutments
  - Check abutments with Clear Abutment Guide

Note: Utilize guide to visually inspect the proper screw access hole immergence. Screws must immerge palatally to the incisal edge in the anterior and through the center of the occlusal table on the posterior.
- Bite Shell
  - Try-in Shell

Place clear bite shell in the patient's mouth and have patient close. Trim all areas near the vestibule that are preventing the shell from seating intimately. Establish rudimentary centric occlusion. (Figure 1).
  - Insert Impression Copings

Remove the clear shell and place closed tray impression copings onto the multi-unit abutments (Figure 2).
  - Insert Bite Shell

Place clear shell back into patients mouth with impression copings in place. (Figure 3). While inserting the shell, take care to avoid contact between impression copings and shell, as this may prevent shell from seating intimately as in figure 1.

***If shell contacts impression coping, then:***

    - Option 1: trim the shell until relieved.
    - Option 2: remove specific impression transfers that are contacting and replace them with protection cap. If this method of capturing the bite is used, then please send an exact duplicate of protection caps to the lab, so that the technician can mount case.

# Clinical Procedure: Full Arch Fixed Provisional

*Variation: Single Arch (Abutment Level)*

- Option 3: If both options above can't occur, then a centric relation bite must be captured without the shell in place. Continue to use closed tray transfers or healing caps in the bite.
- Align Midline
  - Have patient close into shell while aligning midline.
- Inject Shell
  - The shell will have four holes cut in the facial that will allow the impression material to flow around the impression copings. Inject shell with impression material while keeping patient's jaw closed. Allow material to set.
- Capture Bite
  - Capture a bite with bite registration.
- Horizontal Reference
  - Capture this reference using the Kois Dento-Facial Analyzer. Utilizing a stick bite is the only other authorized option but is not recommended.
- Capture Photos
  - Capture full face photo. Print on full page and send with case.
- Impression
  - Capture Impression
    - Take abutment level impression with closed tray impression copings. Closed tray is preferred but only if implants are parallel and bleeding is controlled. Utilize open tray transfers if implants are not parallel, bleed can't be controlled, and multi-unit abutments are deeper than 2mm below tissue or
  - QC Your Impression
    - Insert an analog onto a closed tray impression transfer. While holding analog, insert the transfer back into one implant site of the impression. Ensure impression transfer is secure in each site.

**Peterson Dental Laboratory** will deliver Provisional by 3:00pm the day after surgery. If case is not ready by 12:00, then the case will be returned later than 3:00pm.

# Clinical Procedure: Full Arch Fixed Provisional

Variation: Single Arch (Abutment Level)

## Delivery Appointment

(Delivery & Equilibration)

- ❑ Remove patient's protection copings.
- ❑ Inserting Provisional (2-person task)
  - Insert Provisional from behind patient, applying equal pressure on restoration all around the arch.
  - Insert screws one at a time around the arch and slightly tighten with hand wrench. Go back and retighten by hand like you would "lug nuts" on a tire, equally distributing tightening so that the provisional connection seat all at the same angle.
- ❑ Adjust occlusion as needed.
- ❑ Torque Provisional (follow manufacturer's specifications)

## Additional Information

- In special circumstances, assistance is needed during patient visits. Please schedule an appointment for a technician to be present by calling the office at 561-272-6662. Visits must be scheduled 2 weeks in advance.
- On double arch cases, it is possible to schedule a try-in appointment in the South Florida Tri-County area. Please refer to the double arch clinical protocol on website. Additional time is required for a try-in and can't be completed on the same day as the finished case.
- Please send all photos to [info@PetersonDentalLab.com](mailto:info@PetersonDentalLab.com)

Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Photos provided by  
Jeffrey Ganeles, DMD