

Handout for Clarifying Fundamentals of Tissue-Supported Complete Denture Fabrication for Predictable Success

Some KEYS for predictability and success with tissue-supported edentulous restorations:

- Treat a healthy stomatognathic system
- Understand the patient's desires and expectations
- Does the patient have the ability and desire to adapt to wearing new tissue-supported complete dentures?
- Positive relationship and communication of dentist and dental laboratory technician and competent work by each
- Posterior extension of the maxillary complete denture at vibrating line and hamular notches
- Peripheral extension of maxillary complete denture to muscle function
- Lower complete denture to rest on retromolar pads
- Good, accurate final impressions
- Record verticentric accurately (vertical dimension of occlusion and centric relation)
- Accurate mounting of master casts on the articulator
- Mounting the case, setting the teeth, evaluating the case at the trial setup (wax or digital) appointment(s), and all adjustments made on the same articulator
- Determine adequate vertical dimension of occlusion
- Trial setup evaluation - careful dentist evaluation and approval
- Trial setup patient evaluation and acceptance
- When delivering complete dentures, use a white silicone paste to adjust for even contact of the denture base to all supporting tissues.
- Centric relation occlusion with bilateral and simultaneous contact of all posterior teeth
- Adjust denture occlusion intraorally with Kerr Occlusal Indicator Wax.
- Lingualized occlusion. Lingual control lines. Controlling polymerization shrinkage of acrylic resin.

Some suggested supplies:

- Accudent XD System - 2 alginates, tray adhesive, syringe, vial, 2 flexibowls, and two spatulas
- Impression trays and have a technique to record the retromolar pads in the lower impression and on the lower master cast.
- Dr. Thompson's Color Transfer Applicators
- Supplies for preliminary verticentric record - Fast setting putty and bite registration tray
- Alameter, papillameter, Alma Gauge, Swissedent wax rim former
- Chairside bunsen burner, flat wax paddle
- Gothic arch tracer kit
- Use the same articulator for all steps - mounting case; wax setup; have the articulator clinically at the Trial setup (wax or digital) tryin appointment; and occlusal adjustments.
- White silicone paste
- Hot water bath

Handout for Clarifying Fundamentals of Tissue-Supported Complete Denture Fabrication for Predictable Success

- Kerr Occlusal Indicator Wax
- Acrylic burs
- Six-inch ruler to verify positions of lower posterior denture teeth relative to the lingual control lines.

Suggested contacts for denture supplies:

- Blue Dolphin Dental Products- bdpdental.com
- LeeMarkDental.com