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IMPRESSIONS / BITE REGISTRATION

IMPRESSIONS

The Oravan™ and Oravan™ Herbst appliances require an extremely accurate impression of the maxillary and mandibular arch. Below are instructions for creating physical models of the teeth. Please note that we also accept digital scans (STL Files) of the upper and lower arches, which should be emailed to info@oravanosa.com.

1. When selecting trays to take an impression, make sure that you select one that will enable you to gain coverage of all surfaces. This should include: all erupted teeth, the hard palate, the lingual and buccal surfaces of the vestibule and the lingual surface of the mandibular arch. This will ensure a comfortable and accurate fit with very little if any adjustments needed when delivering the appliance.
2. Pour the impressions using a vibrator to eliminate air bubbles with stone, NOT PLASTER. Check to ensure that you have an adequate base to eliminate breakage or damage during transit.

Once the impressions are poured and the stone has set completely, pack each model with bubble wrap protection along with the bite registration and prescription sheet.

BITE REGISTRATION

A bite registration is necessary for all appliance prescriptions. We suggest using a George Gauge to record the bite registration or a MATRx study by Zephyr Sleep Technologies. Below are the instructions using the George Gauge:

1. Loosen the lower screw to fit the mandibular incisors and tighten.
2. Add the 5mm bite fork by loosening the maxillary knob. It is suggested to use the 5 mm fork.
3. Have the patient close into centric occlusion and record this dimension by tightening the maxillary screw (this is usually a negative number). Repeat 3 times to confirm measurement.
4. Loosen the maxillary screw and have the patient slide the mandible forward and move into maximum protrusion. Then, tighten the maxillary screw and record this measurement (this is usually a positive number). Repeat 3 times to confirm measurement.
5. Calculate 70% of range of motion. Range of motion is determined by adding the distance between centric occlusion and maximum protrusion. Then, record this calculation.
6. Loosen the maxillary screw and adjust to the calculated protrusive dimension.
7. Return to the mouth and take bite registration. Ensure the gauge is in line with the skeletal midline.