



Clinical Records:
 **Alginate Impressions**
 Preparation of Models

FOR EFFICIENT TIME MANAGEMENT OF YOUR CLINICAL APPOINTMENT:
 AT THE VERY START OF THE TREATMENT VISIT,
 SIZE ALL YOUR RIM-LOK METAL IMPRESSION TRAYS,
 APPLY ANY WAX ADDITIONS,
 & APPLY THE ALGINATE TRAY ADHESIVE so that the
 ADHESIVE HAS TIME TO BENCH DRY.
 If not done prior to the patient being seated, set up the rest of your instruments
 & materials for the appointment AFTER COMPLETING THE ABOVE

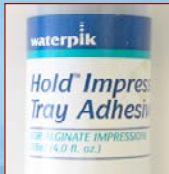
SIZE THE MANDIBULAR TRAY by seating the retro-molar extensions in place & **LOOKING UNDER** the tray at the fit of the buccal and lingual arch width, the dentitional arch length, & clearance of all present tuberosities.




SIZE THE MAXILLARY TRAY by seating the posterior (tuberosity) extensions in place & **LOOKING OVER** the tray at the fit of the buccal arch width, the dentitional arch length, and clearance of all present buccal tuberosities.



Spray or paint on the Alginate Adhesive **VERY LIGHTLY**
 Then **DRY** with air blast or air dry with time.
WET adhesive acts as a **SEPARATOR**




- Room-Temp. Water (ideal - distilled water)
- Water Measure
- Beavertail Mixing Spatula
- Mouth Mirror, Explorer
- Red Handled Knife w/ #25 Blade
- Rim-Lock Metal Trays
- Alginate (bulk)
- Mixing Bowl
- Alginate Mixing Motor
- NOT SHOWN:
Humid Container
Large SCISSORS



**Advantages of Alginate
over Hand Mixing:**


Improved Quality:
Thorough, Even, Smooth Mix
Significantly Less Air Bubbles

More Efficient:
Quicker Mix
Quicker Clean-up
Easier When Working Solo

Consistency Permits Profitability . . . so

Accuracy in Water / Powder Ratio

- * consistency in technique is **EASY & RELAXING**
mixing materials by "eyeball" trial and error is fatiguing - every mix is an adventure
- * repeatable consistency in production permits predictability
- * predictability permits **PROFITABILITY**




VOLUME - Measure water
TEMPERATURE - Room temp.
WATER FIRST - into bowl

TO ADJUST ALGinate CONSISTENCY
(runnier or stiffer):
ADJUST WATER VOLUME

TO ADJUST THE SETTING TIME:
ADJUST WATER TEMPERATURE

When using **PRE-MEASURED POWDER POUCHES**,
USE LARGE STATIONARY SCISSORS to
COMPLETELY CUT OFF THE TOP
so as to get **ALL** the powder out of the pouch
and permit Accurate W / P ratio.



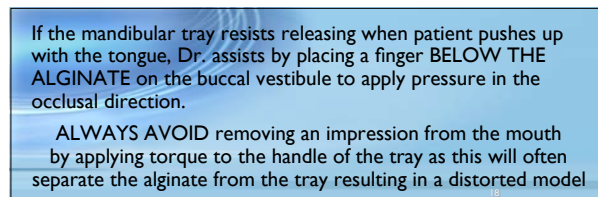
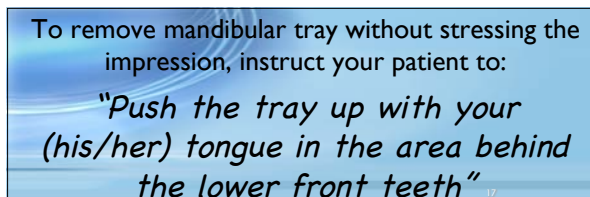
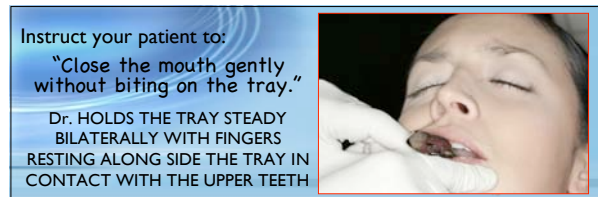
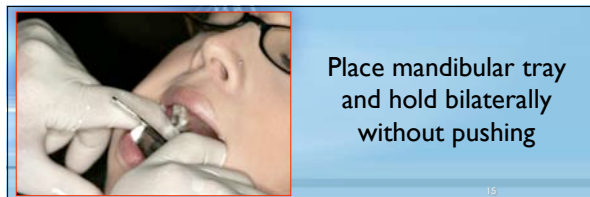
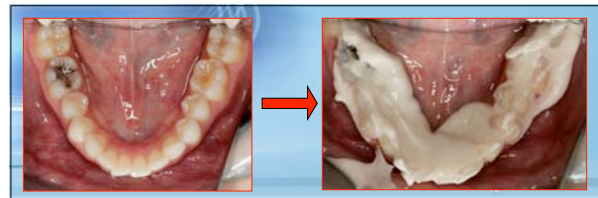
FOR BEST RESULTS IN YOUR DAILY CLINIC WORK . . .

FILL YOUR PLASTIC WATER MEASURE ONLY UP
to the
BOTTOM EDGE OF THE 2nd LINE OF TEXT AT THE TOP
to produce a mix with **THE PROPER BODY**

CONTROL the SPEED OF SET (WORKING TIME)
by **WATER TEMPERATURE**


LOAD MANDIBULAR TRAY FULLY





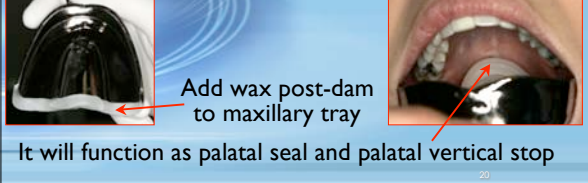
Using a SHARP KNIFE, cut the excess alginate off of the bottom of the tray most commonly at the lingual and retro-molar areas

THIS IS DONE SO THAT when the tray is set on a counter with the impression facing up, there will be no pressure on the alginate from contact with the counter displacing it from the tray.



Add wax post-dam to maxillary tray

It will function as palatal seal and palatal vertical stop



FOR BEST RESULTS IN YOUR DAILY CLINIC WORK...
FILL YOUR PLASTIC WATER MEASURE ONLY UP to the BOTTOM EDGE OF THE 2nd LINE OF TEXT AT THE TOP to produce a mix with THE PROPER BODY
CONTROL the SPEED OF SET (WORKING TIME) by WATER TEMPERATURE




Mind your Water / Powder Ratios



This maxillary tray is OVERFILLED.


When one fills the teeth-area of the tray ONLY, the displaced alginate will fill the palate





This maxillary tray is PROPERLY FILLED

The alginate should have body and not be runny


Slow the working time by using chilled water (from the drinking fountain)





USE YOUR FINGER to rapidly place alginate on and around teeth

Seat the maxillary tray from posterior to anterior thus forcing excess alginate into the Labial Vestibule.



**Note the use of a mouth mirror (rather than a finger) to retract the cheek


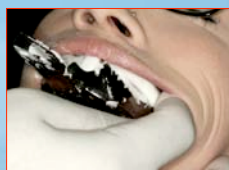
Hold tray steady with bilateral finger support

AVOID supporting the tray by pressing it apically as this will result in burn-through at the occlusal surface




When harvesting the maxillary impression from the mouth, Dr. places a finger in the tuberosity area ABOVE the Alginate and push down occlusally

ALWAYS AVOID removing an impression from the mouth by applying torque to the handle of the tray as this will often separate the alginate from the tray resulting in a distorted model



Using sharp knife, cut the excess alginate off of the bottom of the tray most commonly at the post-dam and tuberosity areas



THIS IS DONE SO THAT when the tray is set on a counter with the impression facing up, there will be no pressure on the alginate from contact with the counter displacing it from the tray.



Fill the lingual space w/Alginate

Mind your Water / Powder Ratios

