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# Demonstration 3

## Lip Bumper

Intermediate Course

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SEMINARS



# Lip Bumper

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## **Purpose:**

- To hold the lower molars in place
- To negate the hypertonic lip pressure
- To allow the lower anteriors to flare
- To distalize the lower molars when, Class III elastics are worn

## **Instruments & Materials Needed (Prior to Start of Class):**

- Band Pusher/Scaler
- Hollow Chop
- Ligature Remover/Director
- Light Wire Plier (Long Bird Beak)
- Mathieu Plier– Hook Tip & Wide Tip
- Pin and Ligature Cutter
- Three Prong Clasp Plier
- Weingardt Plier

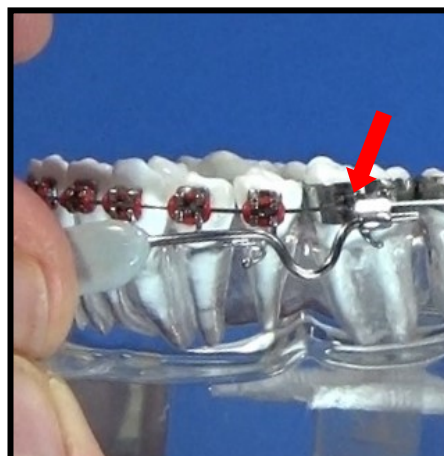
## **Materials Provided:**

- Lip Bumper with hooks
- U/L .020 Stainless Steel Archwires
- .012 Long Ligature Wires
- 1/4" Light Elastics

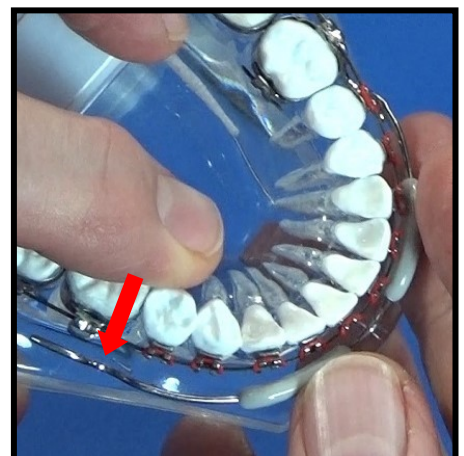
## **Directions:**



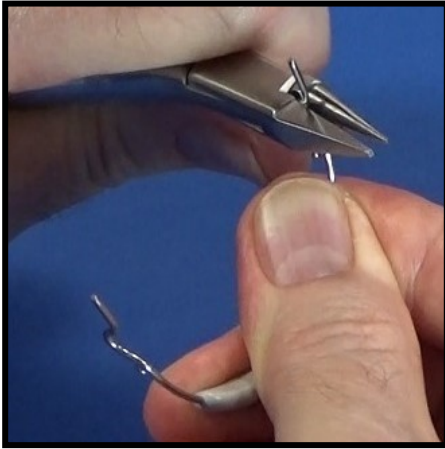
Lip Bumper appliance is used on the lower arch. Place the appliance with the omegas towards the gingiva.



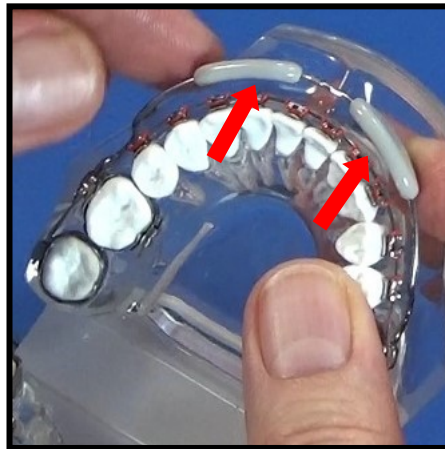
Insert into the buccal tubes until the omega loops are flush with the tube. Omegas are towards the gingiva.



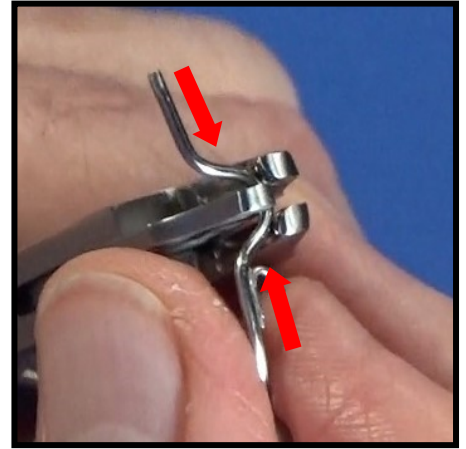
Determine if expansion is needed. Evaluate the width of appliance, make any adjustments as needed.



Use the Light Wire Plier to narrow the width and make sure the omega stay in alignment.



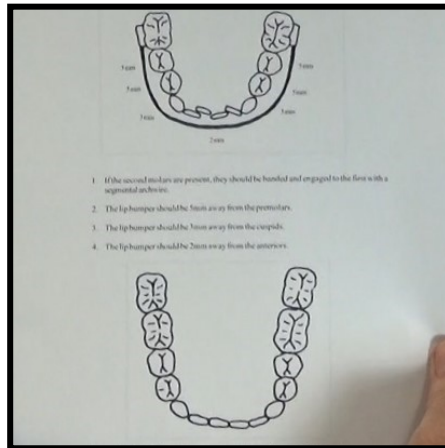
Width is corrected. Arch length needs adjustments, appliance should be closer to the arch.



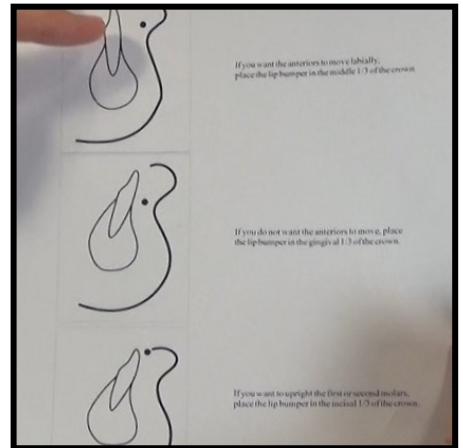
Use the Three Prong Clasp Plier, to squeeze the omega together. This will shorten the arch length.



Arch length is corrected.



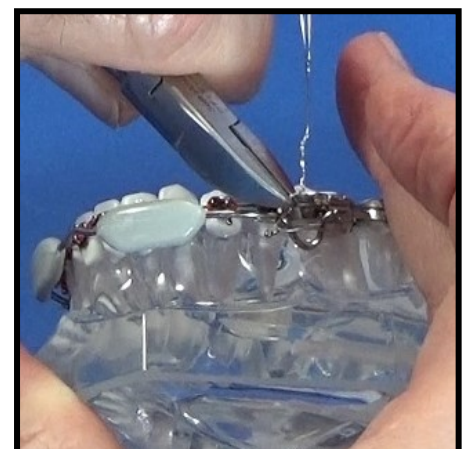
For more information on distance from the arch see next page.



Appliance should be tied in using .012 long ligature wires and placed around the 1st molar hook to the hook on the lip bumper.



Twist until appliance is cinched back tightly.



Repeat on the opposite side then cut ligatures on both sides.



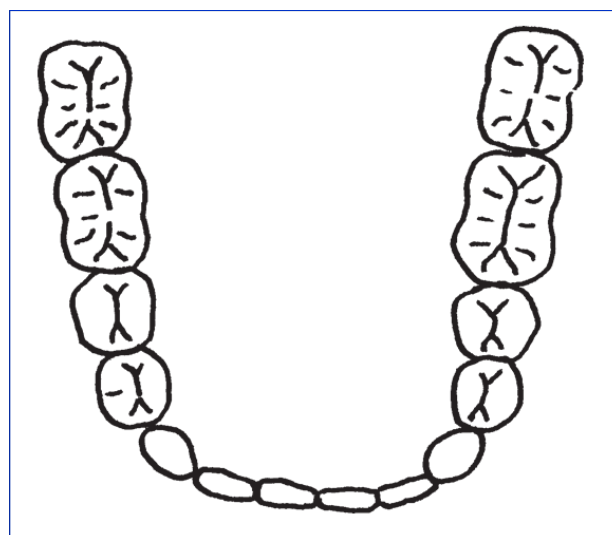
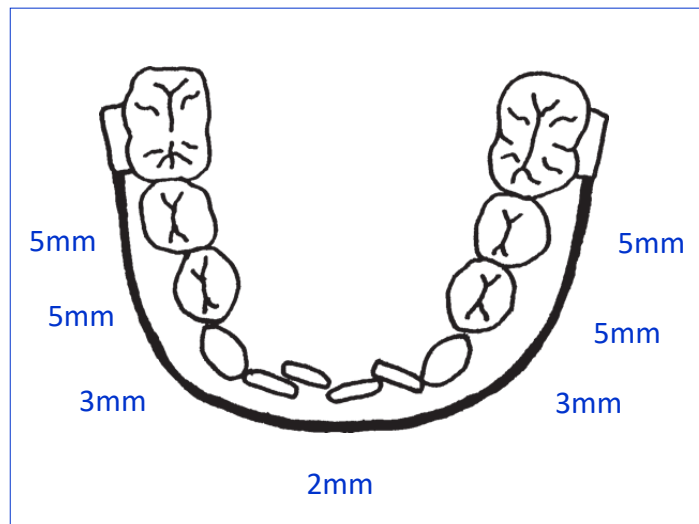
Tuck the pigtails for patient comfort.



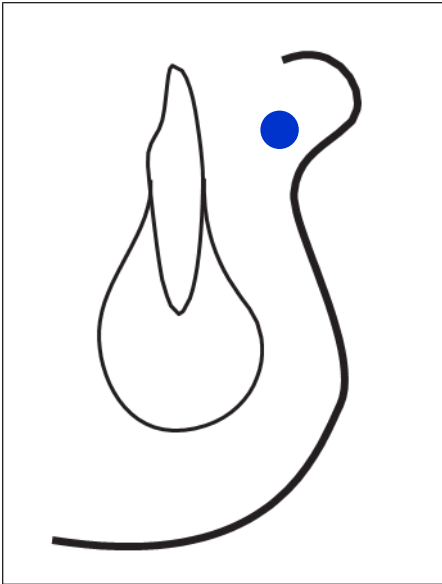
If distalization is needed, incorporate Class III elastics. Use 2-3 elastics on each side.



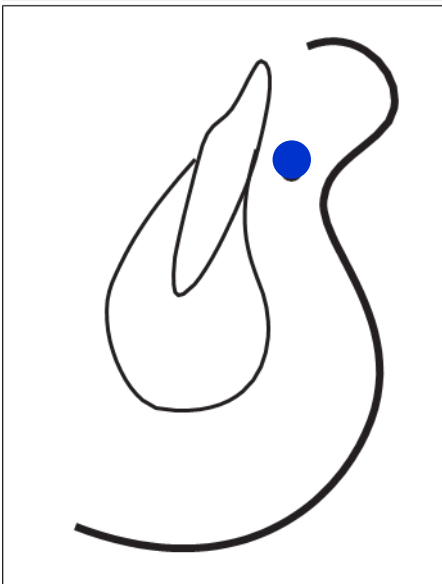
Completed exercise.



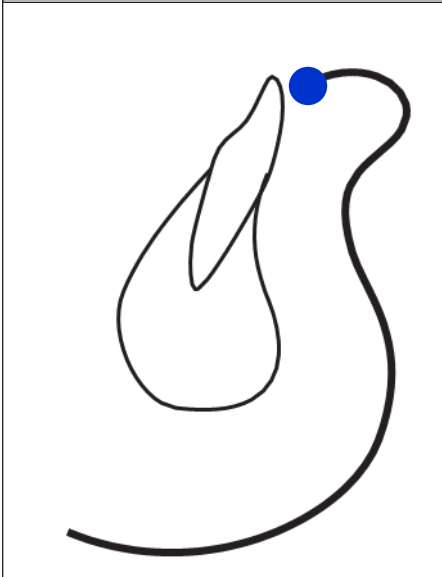
**It usually takes 9 to 12 months to get the expansion and movement you want.**



If you want the anteriors to move labially, place the lip bumper in the middle 1/3 of the crown.



If you do not want the anteriors to move, place the lip bumper in the gingival 1/3 of the crown



If you want to upright the first or second molars, place the lip bumper in the incisal 1/3 of the crown.