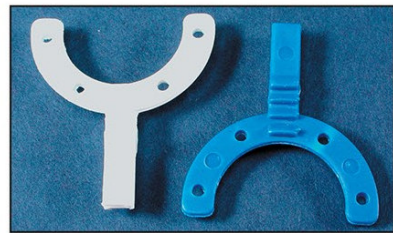
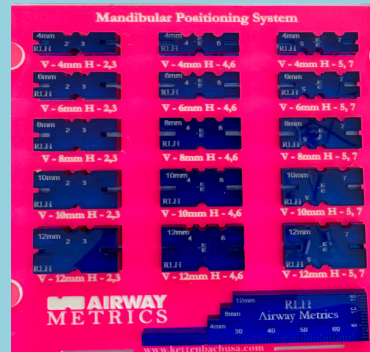
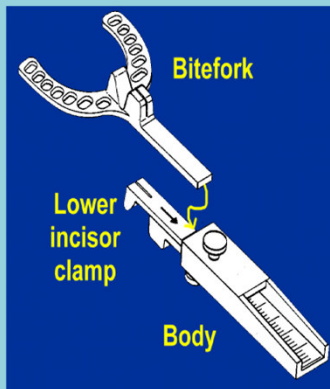


ACCURATE CONSTRUCTION BITES



1

The purpose of a Construction Bite:

“to capture the desired positional relationship between the Maxilla and the Mandible that you have chosen for appliance fabrication.”

2

1. **Vertical distance between the Maxillary occlusion and the Mandibular occlusion.**
2. **Anterior/Posterior Mandibular Position relative to the Maxilla.**
3. **Desired relationship of the Maxillary and Mandibular midlines in the postured AP position.**

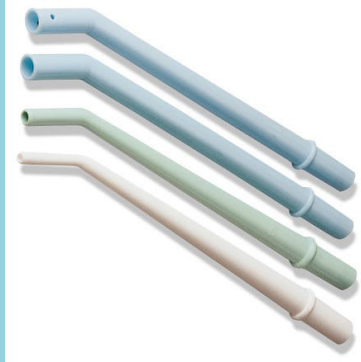
3

Why not Centric Occlusion bites?

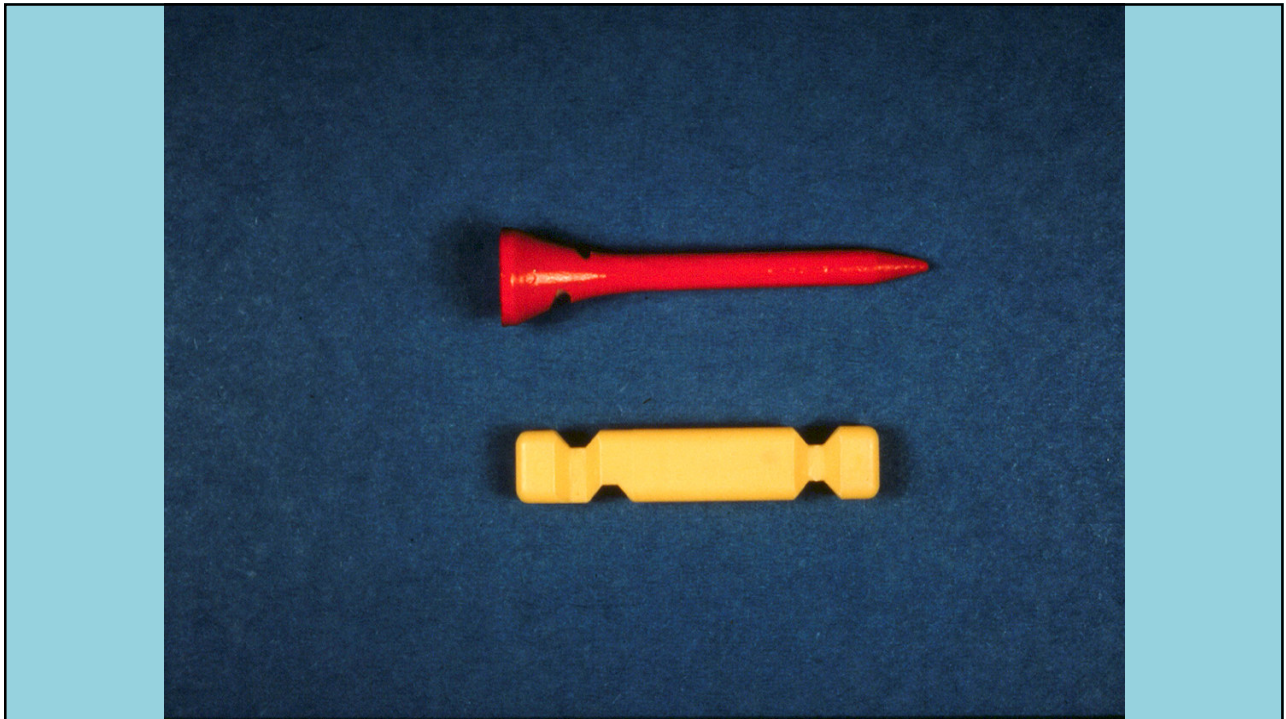


4

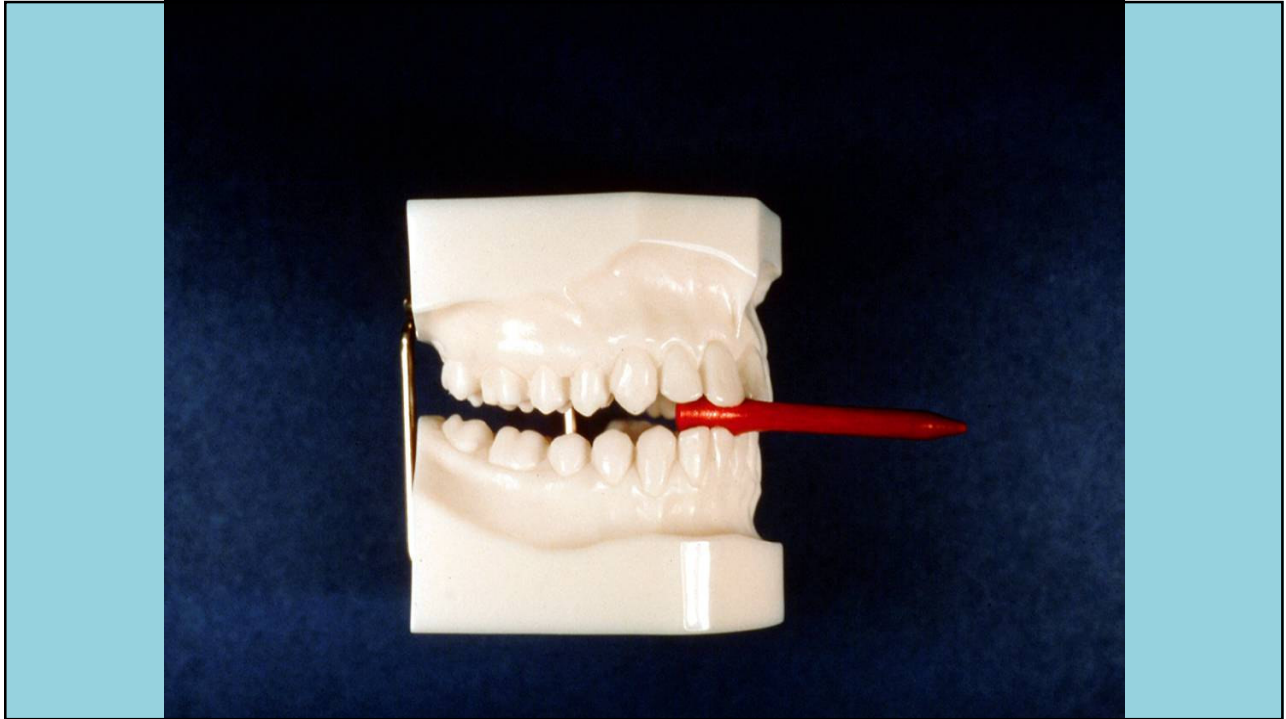
Possible Tools to find the Ideal Vertical and AP position:



5

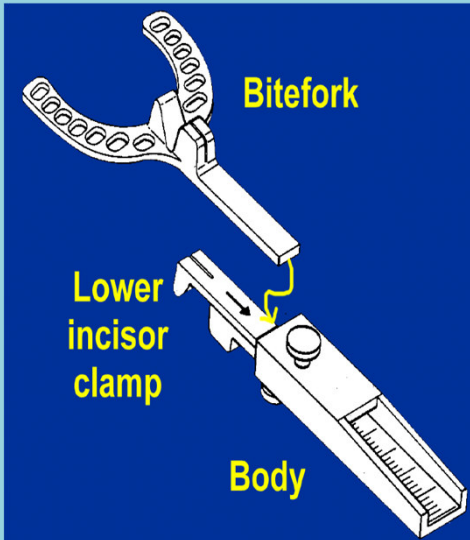


6



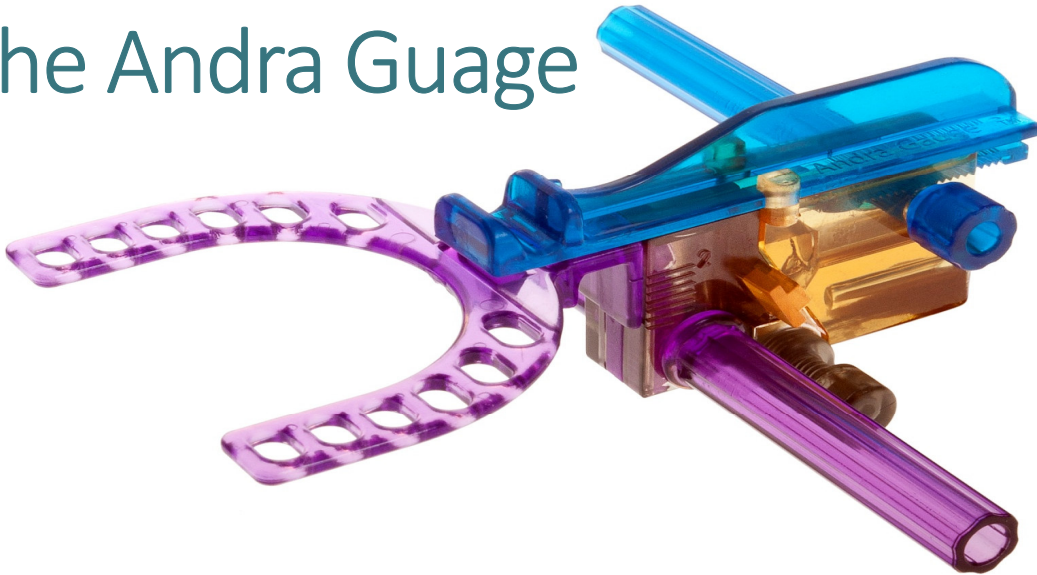
7

The George Gauge™



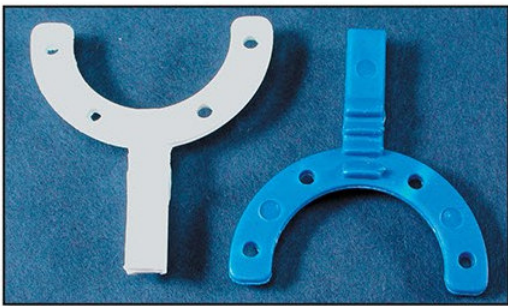
8

The Andra Guage



9

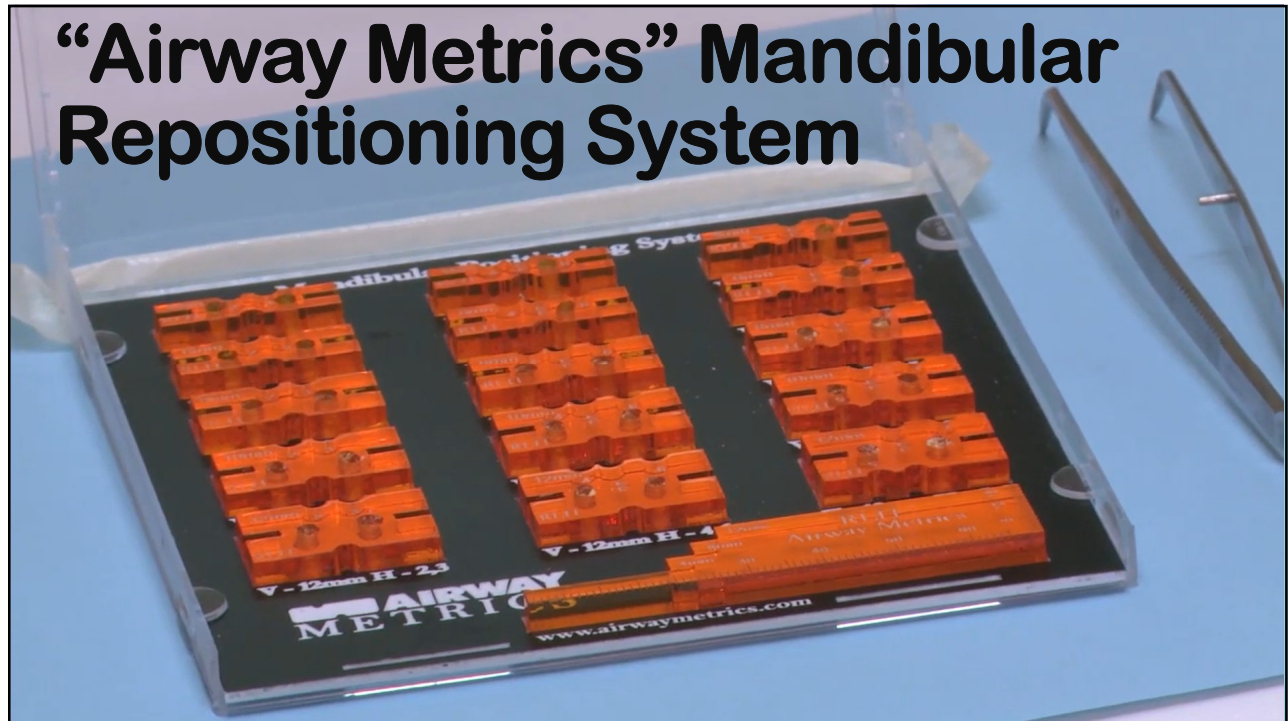
The “Perfect Bite”



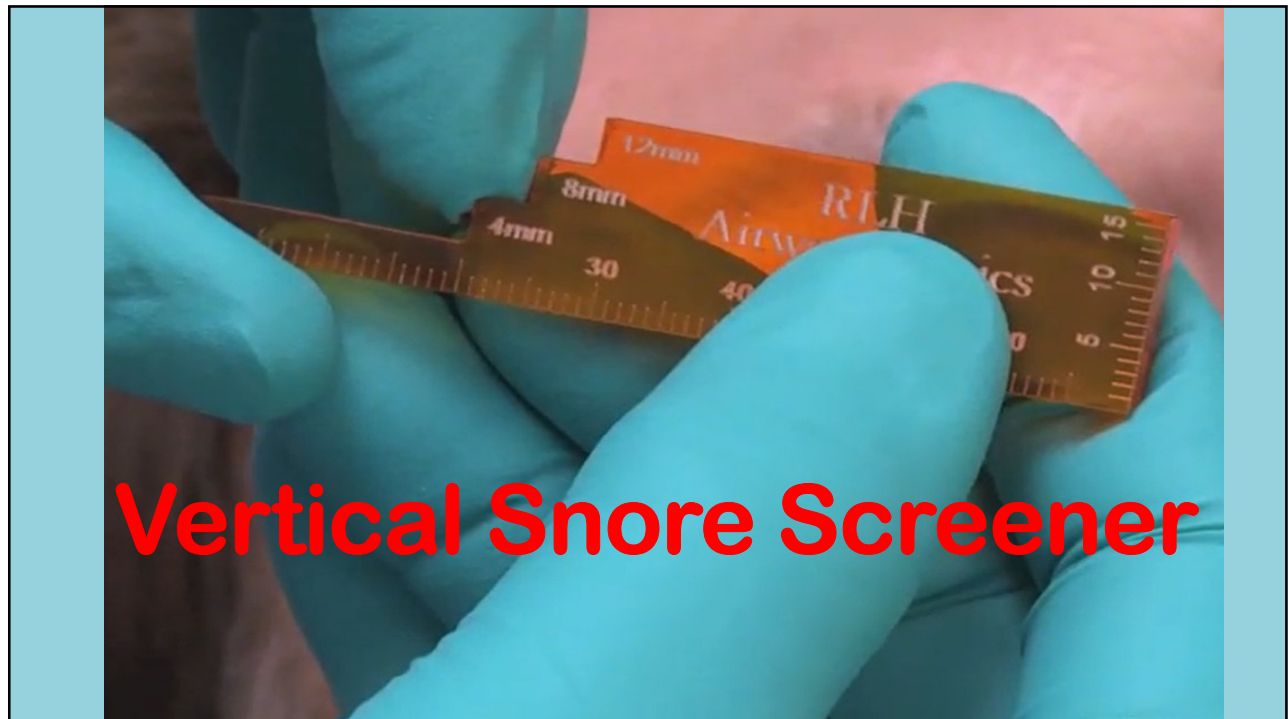
2mm anterior vertical opening
(blue)

4mm anterior vertical opening
(white).

10



11

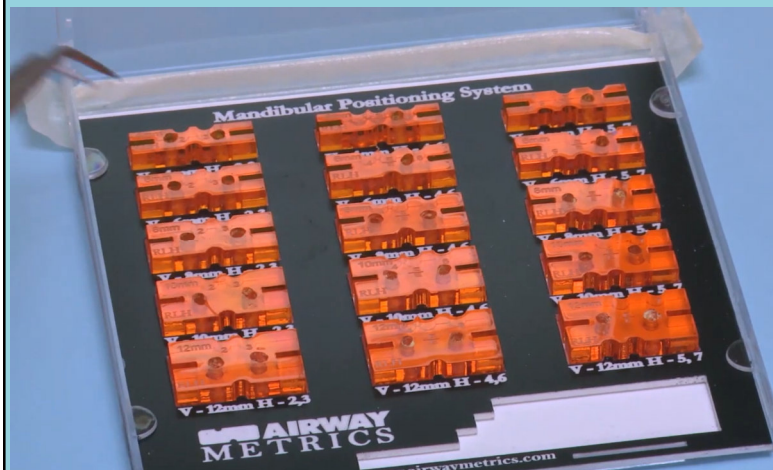


12

Test to see if different vertical openings affect the airway



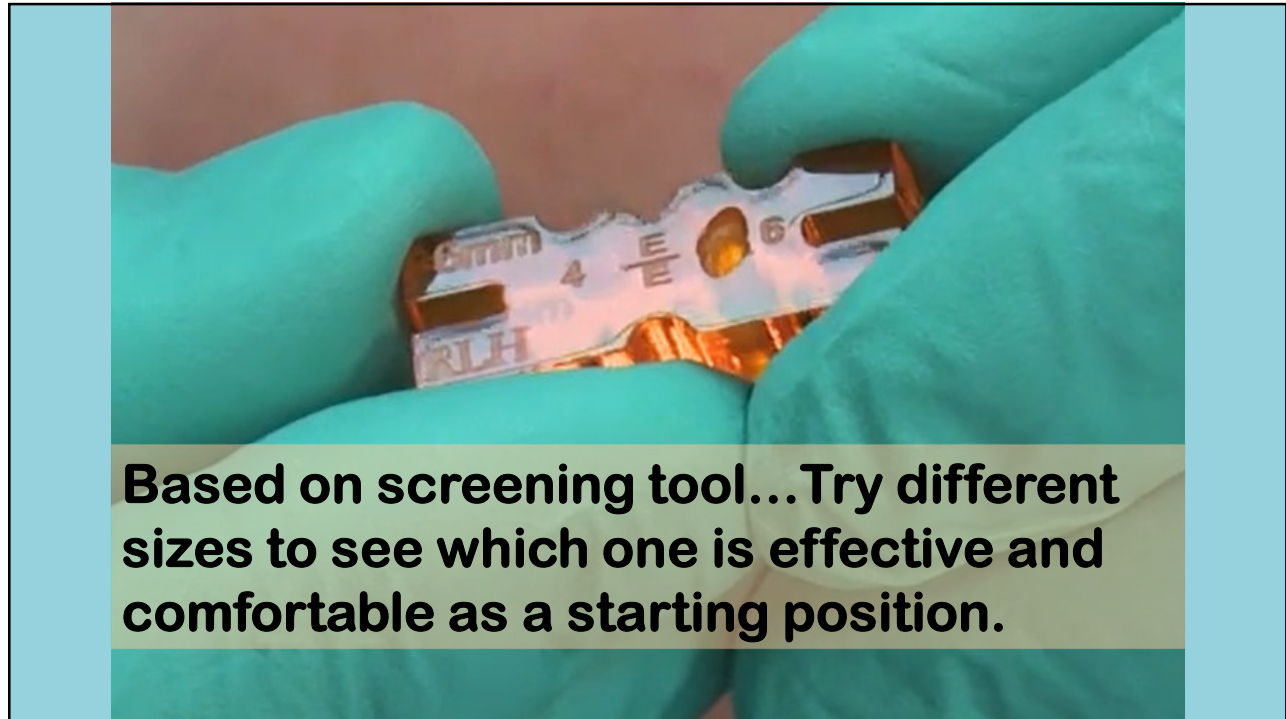
13



The Vertical Range is from 4mm to 12 mm.

The AP Protrusive Range is from 2mm to 7mm.

14



15



16

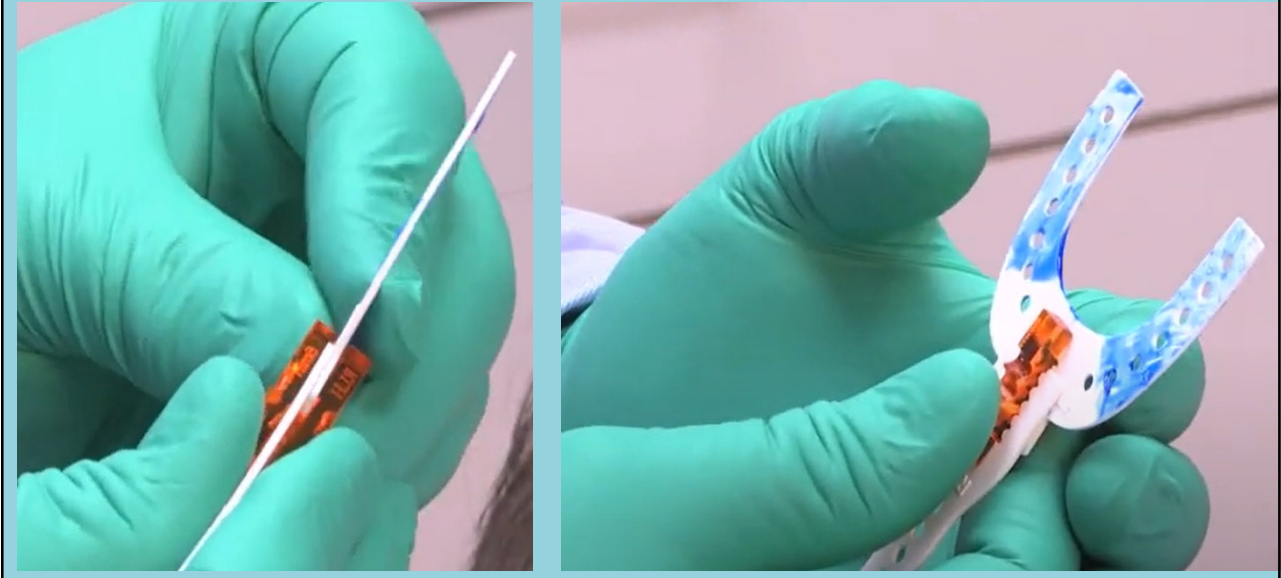


17



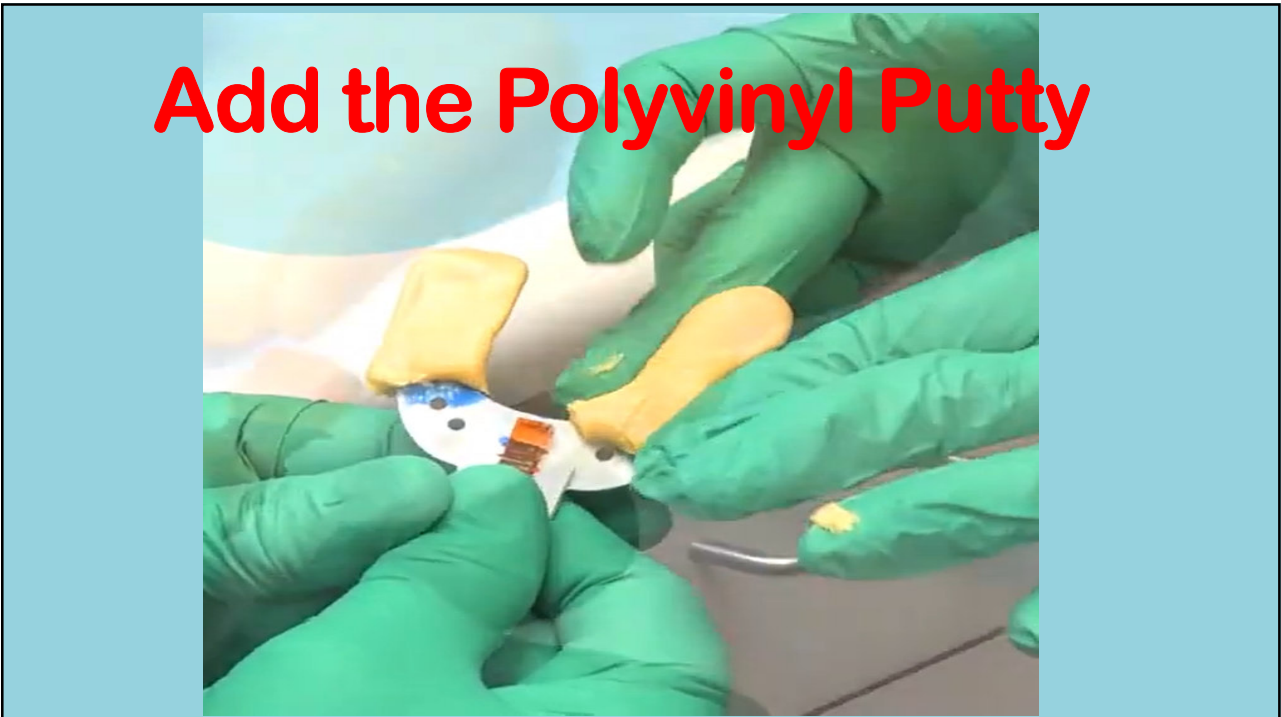
18

Connect it!



19

Add the Polyvinyl Putty



20

Seat the bite against the upper anteriors and guide the lower into position.



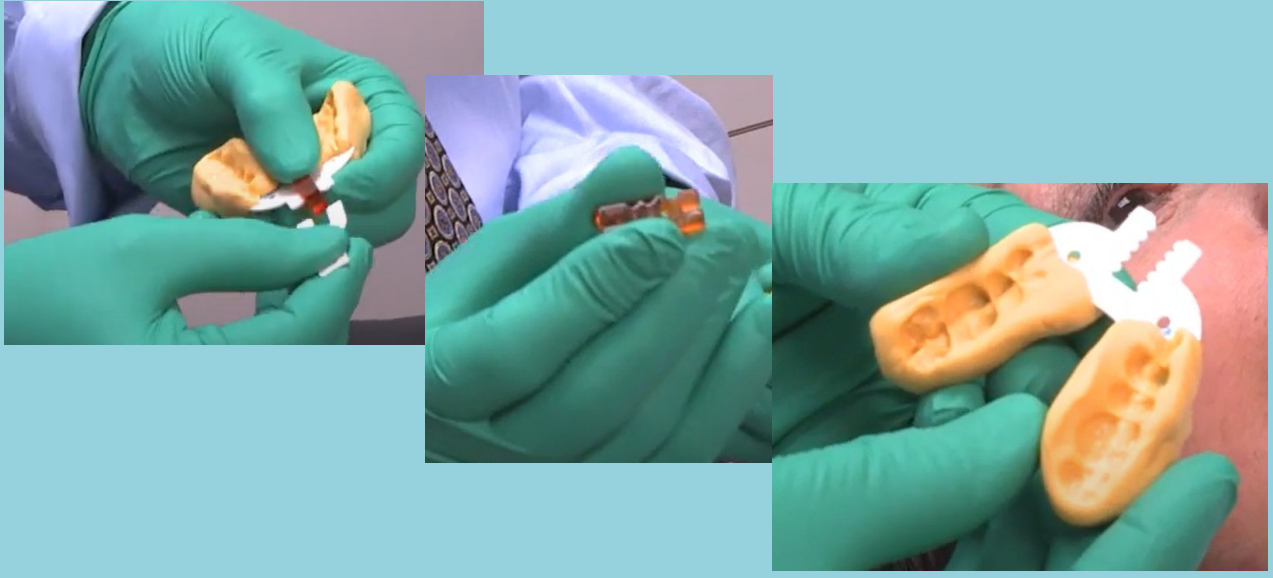
21

Hold the mandible until it is set



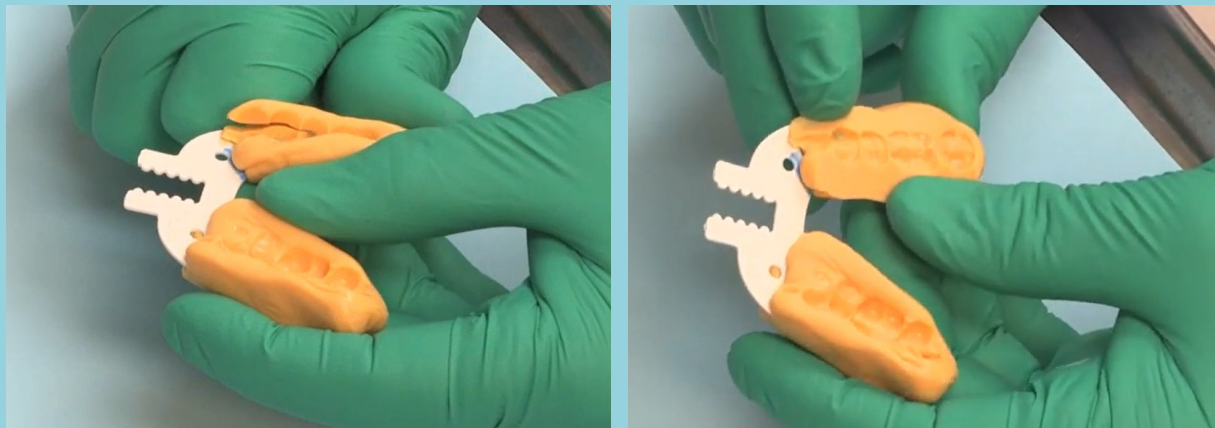
22

Separate the handle and the Biting Guide

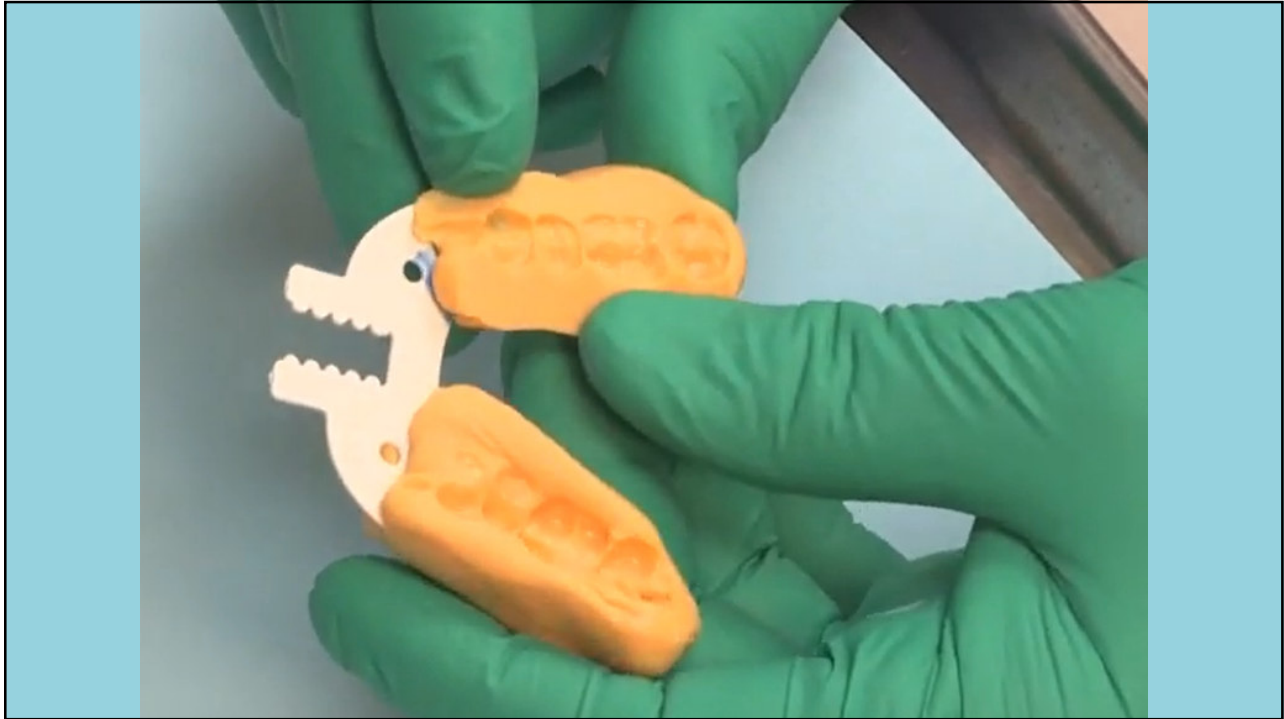


23

Trim the bite leaving cusp tips only

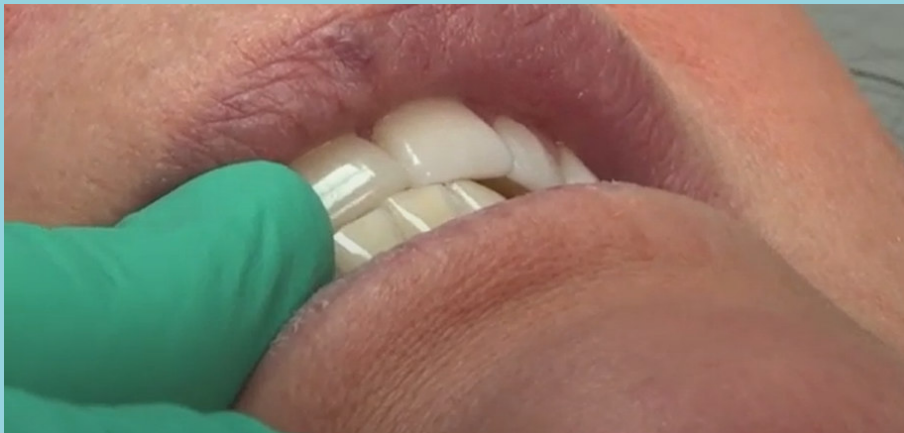


24



25

If the patient shifts their bite off of midline as they bring their jaw into a protrusive position, make sure you have captured it in the bite.



26

**Make sure you have captured a
midline shift if it exists!**



27

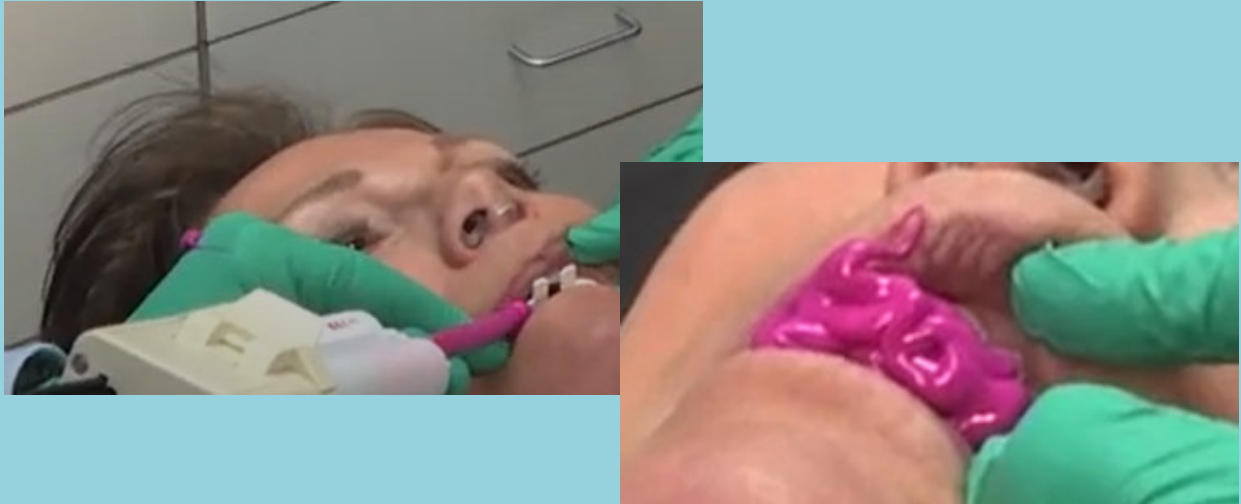
With the bite in place ...

- * See if the patient's airway has improved.**
- * Can they snore?**



28

Create an anterior stop and a three point bite



29

This bite is “the Appliance”



30

Scan the bite so the lab can make a digital bite



31