



LeMars Dental Center



VIVOS Appliances

The following slides show appliances that are used to treat underlying causes of sleep apnea and obstructed airways.

V Starter

The appliance shown on the left is the appliance for children ages 3-6. On the right is a larger version that is used once the 6 year molars develop.

- Both appliances are called trainers. They train the tongue to go into the proper spot and train the patient to breathe in through their nose.
- Worn passively (while sleeping)
- Worn for 6 months to a year prior to going into the 'VG' series



V Starter Features

Palatal Tab

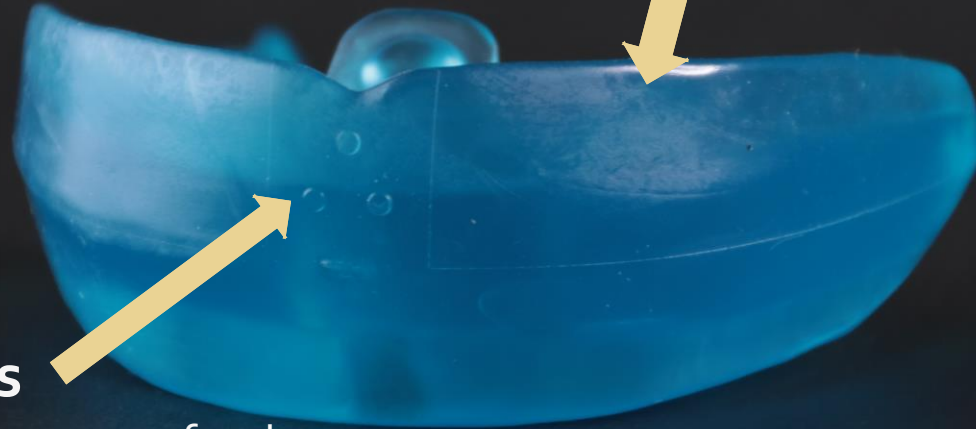
Provides a target for the tongue to stay up in the palate to promote proper swallowing and help widen the palate with tongue pressure.

Flanges

Flanges are oversized so that the child strengthens the upper lip. Can be trimmed if necessary.

Labial Buttons

3 buttons represent a target for the upper lip to cover. Child should work the upper lip over these bumps.



V Starter Features



Lingual Ramp

Maintains mandible in forward and downward position and guides incisors forward. Also serves to guide the tongue up in the palate.

Posterior Pads

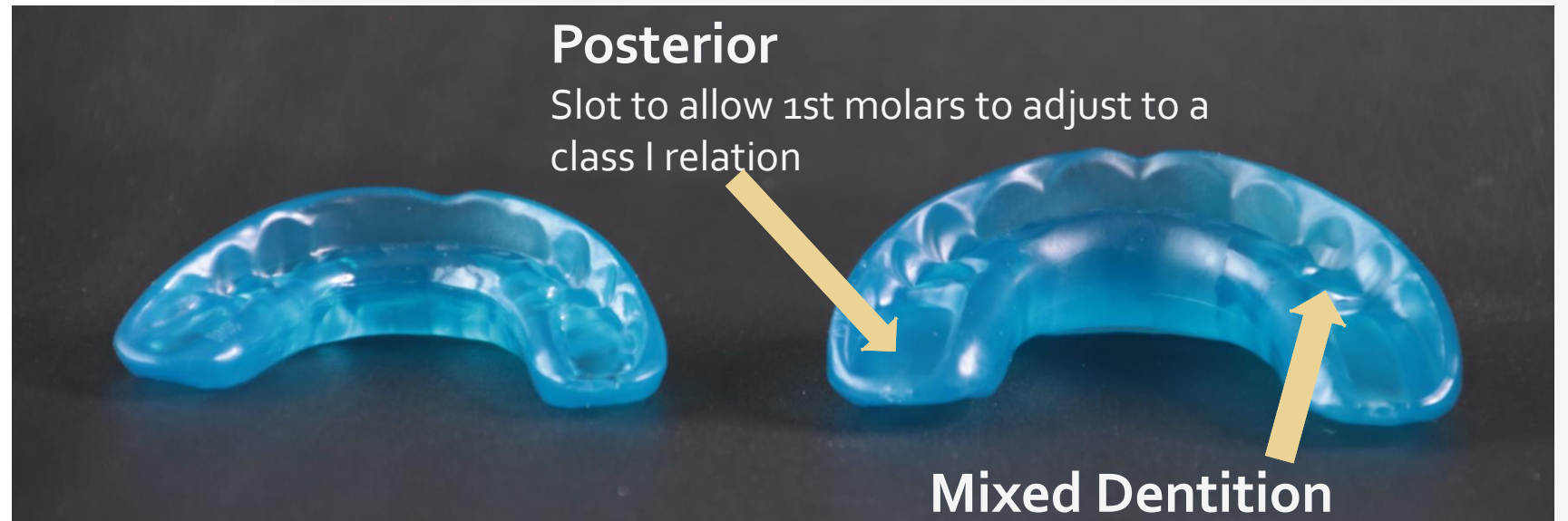
These pads depress the back teeth and lesson an open bite if present.

Vivos 'VG' Series

- Worn until 12 year molars start to erupt.
- Active wear (1-2 hours during the day) exercising the chewing muscles by clenching and relaxing
- Passive wear (while sleeping)



*Vivos “VG”
Series
Features*



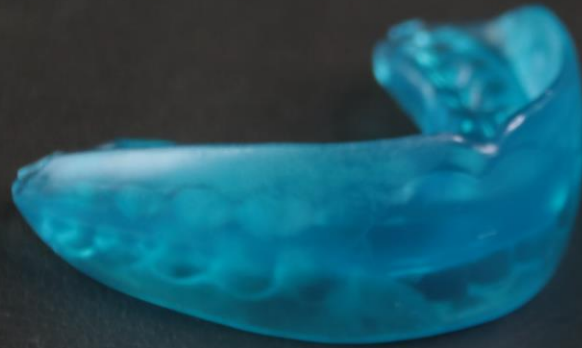
Specifically designed for mixed dentition.

Vivos “VW” Series

- Worn when the patient has their 12 year molars.
- Actively and passively worn
- This appliance is used as a finishing appliance
- Also used as a ‘rescue’ appliance for adults.
- Ensure lips can comfortably seal around the appliance

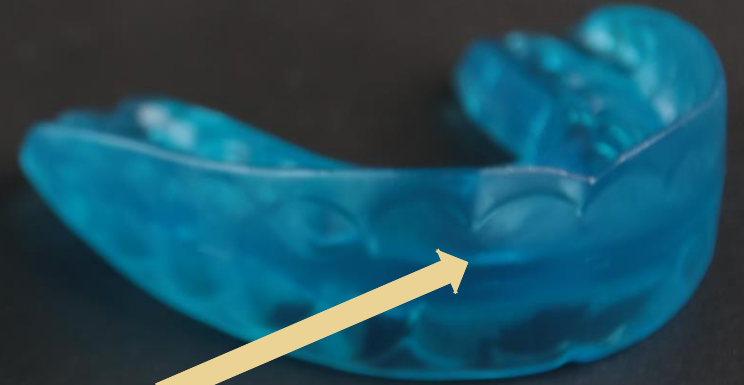


VW Series Features



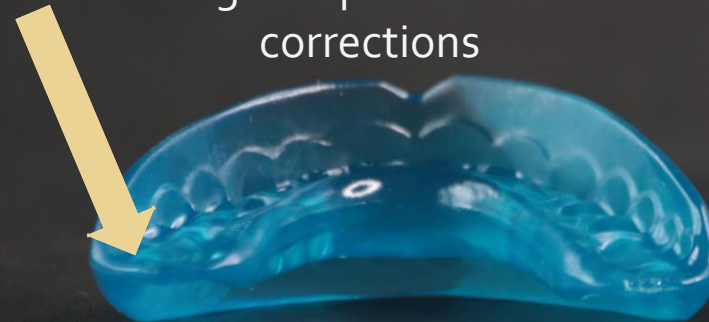
Flanges

Margins of the flanges are designed for ideal fit and to strengthen lips



Posterior

Slots for 2nd molars to allow for a class I relation. Less material to encourage eruption for overbite corrections



Full Dentition

Specifically designed for permanent dentition to control 2nd permanent molars.



DNA Upper

- This appliance encourages normal development of the jaws by mimicking normal function of the jaws.
- The desired effect of this appliance is to remodel the jaw bone and move the teeth and jaw position to enhance craniofacial development.
- The standard protocol for development is approximately 18 months, but it is directly affected by the individual patient's problem.

