

BIONATOR APPLIANCES



The Bionator is worn as many hours a day as possible (at home, reading, driving, studying) and during sleep for a period of nine to twelve months or as prescribed.

Indications for Bionator Treatment:

- Early/mixed dentition
- Anterior/Posterior Correction
- Possible detorquing of protrusive incisors
- Transverse Mx/Md Expansion
- Vertical
- Dual Bite situations
- Weak Musculature/Lip Seal
- Snoring or Sleep Apnea
- Adult TMJD Treatment/Retention

Appliance Variations Available:

- **Bionator I:** To Open (must have expansion screw)
- **Bionator II:** To Close (optional expansion screw, tongue fence & palatal pearl)
- **Bionator III:** To Hold (correct A-P only)
- **Bionator 13:** To Hold Mx and allow Md eruption only along with A-P correction

Monthly Adjustments:

- Activate the screw 1/4 (Sunday)
- Open the coffin spring to follow expansion
- Adjust the labial bow away from the labial surface of the Mx teeth as required.

CRITICAL: Ensure there is always a large wedge of acrylic mesial to the upper 1st molars in order to maintain A-P correction. Loss of the wedge will result in fracture (**illustrated**).

Suggested Reading:

“The Sleeping Giant” by Dr. Terry Spahl
International Journal of Orthodontics
Volume 13 #3 — Fall 2002 — Pages 9-19

Laboratory Requirements:

- Upper and lower stone casts
- Construction bite edge to edge incisally (super class I) opened 2 ½ to 3mm incisally.
- **Note:** A George Gauge can be used for a Bionator construction bite.

Fabrication Improvements:

- Where labial bow enters acrylic— rubber tubing to prevent fracture of labial bow wire.
- Acrylic appliances are reinforced with wire mesh or Kevlar to reduce fracture.
- 14 karat gold solder joints to prevent discolouration/erosion.
- Coffin spring can be reversed for gag reflex patients or adults.

Compliance Issues:

- The Bionator is a free-floating functional appliance. The patient must function into the appliance.
- **Bionator I:** If the labial bow touches the labial surface after monthly adjustment to the screw, the patient is complying. **This is your indicator.**

Rideau Orthodontic Mfg. Ltd

(800) 267-7982

orthodontic@orthodontic.ca

www.orthodontic.ca

E&OE