

# OASYS (Oral/Nasal Airway System™)

Mandibular Repositioner and Nasal Dilator for Treating Sleep Apnea and/or Snoring

## The OASYS sleep apnea appliance allows you to open the entire upper airway with one system.

The OASYS appliance uses synergistic dual action that reduces upper airway resistance from nose to throat, that prevents airway collapse.

This system functions by repositioning the mandible in addition to acting as a nasal dilator.

The OASYS is the first dental device to be reviewed by both the Dental and ENT divisions of the FDA and to be approved as a dental device for treatment of snoring and sleep apnea through mandibular repositioning as well as a nasal dilator for reduction of nasal resistance and improved nasal breathing.

## Appliance Design

The OASYS is designed to achieve these unique functions with the following goals:

- Maintain maximum intraoral volume.
- Minimize the forces on the teeth.
- Have no components that extend extra orally through the lips.
- Reduces upper airway resistance.
- Allows mouth breathing to occur, if required.

## Synergistic Function

One of the truly unique benefits of using the OASYS is the appliance acts as a nasal dilator by maintaining a stretch in the nasal labial tissue to dilate the internal nares. A greater volume of air is delivered

to the oropharynx with less effort thus reducing the negative pressure in the throat.

The OASYS Oral/Nasal Airway System maintains the patency of the oropharyngeal airway by functioning as a mandibular repositioner.

## Maximal Intraoral Volume

The OASYS System maintains maximal tongue space by positioning the connectors and adjustment components outside of the dental arch leaving the palate and anterior oral space completely free for the tongue to position itself up and forward. There is an open space for the tip of the tongue to go between the incisor teeth.

## The OASYS Reduces the Forces on the Teeth by Design.

This unique system fits securely onto the lower arch only. The upper flange extends in front of the upper arch and under the upper lip. This maintains slippage during the mandibular movements during usage. There is a natural give to the wires that create a yielding give when the mandible pulls back on the device. Provided is an upper splint that distributes the forces through the entire arch. Together these act to reduce the forces on the teeth.

## Technical Bulletin



### Impression Instructions

Alginate impressions of the upper and lower dental arches are taken with careful attention to extend the impression up to capture the vestibule of the maxillary arch. The impressions are then poured in dental stone. A bite registration is taken in wax or a fast set of dental impression/bite registration material (such as BlueMousse). The mandible is to be brought forward so that the incisor teeth are aligned edge to edge and the bite is open 3-4 mm. This will be the starting point for the mandibular repositioning.



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