

## Overview of Oral Appliance Therapy

Oral Appliances are placed in the mouth and are worn much like an orthodontic appliance or sports mouth protector. They are worn during sleep to prevent the collapse of the tongue and soft tissues in the back of the throat so that the airway stays open during sleep. The appliances promote adequate air intake and help to provide normal sleep in people who snore and have a medical condition known as sleep apnea. Oral appliances can be used alone or in conjunction with other means of therapy such as continuous positive air pressure (CPAP). Determination of proper therapy can only be made by joint consultation of your dentist and sleep physician.

## Types of Oral Appliances

Currently, over 40 different types of oral appliance are available to specially trained dentists to treat sleep disordered breathing. At first glance, this number appears overwhelming but on close examination each of the appliances falls basically into one of two categories and the diverse variety is simply a variation of a few major themes. Oral appliances can be classified by mode of action or design variation.

## The OASYS Oral / Nasal Airway System™



The OASYS Oral/Nasal Airway System™ 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 and also as a nasal dilator for reduction of nasal resistance and improved nasal breathing.

## The OASYS Oral/Nasal Airway System™ functions to:

- Act as a mandibular repositioner
- Act as a nasal dilator
- Allow mouth breathing to occur, if required.

## The OASYS Oral/Nasal Airway System™: is designed to achieve these functions with the following goals:

- Maintain maximize the intraoral volume.
- Minimize the force on the teeth.
- Have no components that extend extra orally through the lips.
- To reduce upper airway resistance.

## Disclaimer:

The information provided on our web site is for informational use only. It is not intended to diagnose a condition or replace medical consultation and advice. While we make every effort to present current and accurate information, we collect our content from a variety of sources and are not responsible for outdated or inaccurate information.  
YDL Dental Laboratory © 2007

## **THE OASYS ORAL/NASAL AIRWAY SYSTEM™ REDUCES THE FORCES ON THE TEETH BY DESIGN.**

The OASYS Oral/Nasal Airway 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 a slippage during mandibular movements during usage. There is a nature give to the wires that creates 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.

### **MAXIMAL INTRAORAL VOLUME**

The OASYS Oral/Nasal Airway 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 usually even an open space for the tip of the tongue to go between the incisor teeth.

### **SYNERGISTIC FUNCTION FOR MAXIMAL RESULTS The OASYS**

Oral/Nasal Airway System™ maintains the patency of the oropharyngeal airway by functioning as a mandibular repositioner and as a nasal dilator by maintaining a stretch in the nasal labial tissue to dilate the internal nares.

For more information <http://www.oasysleep.com>

FDA Approval:

Date of FDA Approval:

FDA Registration Number: K030440

### **THE TAP®**



Description: The TAP

#### **Disclaimer:**

The information provided on our web site is for informational use only. It is not intended to diagnose a condition or replace medical consultation and advice. While we make every effort to present current and accurate information, we collect our content from a variety of sources and are not responsible for outdated or inaccurate information.  
YDL Dental Laboratory © 2007

## **HOW THE TAP WORKS**

The Thornton Adjustable Positioner (TAP®) is a custom-made two piece adjustable appliance that is worn while sleeping. The trays of the appliance snap over the upper and lower teeth and hook together. The design is based on the same principle as cardiopulmonary resuscitation, CPR. The airway must be opened to allow air to pass through the throat. The TAP® holds the lower jaw in a forward position so that it does not shift nor fall open during the night. This prevents the airway from collapsing. The more you pull your jaw forward, the more your airway will open.

The TAP® is the only mandibular advancement device that can be adjusted easily by the patient or practitioner while in the mouth. This feature allows the patient to always be in control of their treatment. The unique design also allows the patient to fine-tune their treatment position at home to achieve maximum results.

Most patients experience relief the very first night they wear their TAP®. Although it may take up to a week to get used to wearing a TAP® appliance, this is a small hurdle for patients. Nine in ten patients wear the device all night, every night – making the TAP® a highly effective solution for both snoring and sleep apnea.

## **SNORING HEADS**

### **Features**

- Patient-friendly
- Superior results
- Easy to fit
- Infinitely adjustable
- Precise control of advancement
- Interchangeable hooks
- Freedom for lateral movement
- More room for tongue
- Allows lips to close

### **The TAP® can help prevent conditions linked to sleep apnea:**

- Chronic daytime sleepiness
- High blood pressure
- Heart attack
- Stroke
- Heartburn, reflux
- Morning headaches
- Depression

FDA Approval: Approved for both snoring and OSA

Date of FDA Approval: August 21, 1997

FDA Registration Number: K972061

### **Disclaimer:**

The information provided on our web site is for informational use only. It is not intended to diagnose a condition or replace medical consultation and advice. While we make every effort to present current and accurate information, we collect our content from a variety of sources and are not responsible for outdated or inaccurate information.

YDL Dental Laboratory © 2007