

What is the cost?

The O2Vent™ is a custom made medical device, custom designed for each client. It's now generally accepted that personalised, fabricated oral appliances are better tolerated, remain in place during sleep, and are more efficacious compared to cheaper off the shelf oral appliances.

The O2Vent™ device is fitted and delivered under the supervision of a dentist, and is available from an Oventus Accredited Clinician. Total treatment cost is approximately \$2500 including device, and related dental consults and procedures. However specific costs should be discussed with the Bite team.

What rebates can I claim back on Medicare or private insurance?

Rebates for the O2Vent™ are available through private health insurers, not Medicare. If you're required to have X-rays as part of your treatment plan, these may be rebatable through Medicare or your private health insurance.

You must contact your health insurer to find out the exact rebate which may vary between funds and policy.




OVENTUS

How can I find out more information?

If you are interested in finding out more information about the O2Vent™ call the Bite team on 07 3221 5399.



P 3221 5399 E smile@bitedental.com.au

bitedental.com.au

1606A-0416

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What's Oventus?

Let's clear the air about snoring for good



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More than the snore

Snoring and nighttime breathing problems are not only difficult for partners, but have been linked to a number of more serious health problems such as low oxygen, heart strain, chronic headaches, fatigue and obesity.

In 2013, Oventus started working with the CSIRO to design the O2Vent™—a new style of bespoke mouthguard that has the potential to positively change the lives of people with sleep-disordered breathing, snorers, and their tolerant families.

Design and technology

The O2Vent's unique design directs the air flow through to the back of the throat, alleviating multiple sites of obstruction including the nose, soft palate and tongue.

The device incorporates a 'duckbill' which extends from the mouth like a whistle and creates separate airway that allows air to flow directly to the back of the mouth.

Using CAD software to scan a client's mouth and bite, Oventus then uses 3D printing technology to manufacture a custom-made medical-grade mouthguard from titanium.

Clinical background of O2Vent

There are now many oral (mandibular advancement) devices on the market, as they've become an accepted form of treatment for people with sleep-disordered breathing.

The O2Vent™ is not only an oral device but it has an airway incorporated into it which directs the air flow from outside of the mouth through to the back of the throat. This is designed to bypass nasal and soft palate obstructions, and to prevent tongue obstructions.

DID YOU KNOW?

40%

of adults snore regularly

1.5m

an estimated 1.5 million Australians suffer from sleep disorders and more than half of these have sleep apnoea

85%

more than 85% of patients with clinically significant OSA have never been diagnosed

The original design (formerly the Oventus Clearway Device) has been used since 2009. At that time, a pilot study was conducted on the design with promising results. With further refinement and the use of personalised, 3D printing technology, the device has been improved to be more user friendly and have more airway capacity delivered in a much more compact form.

Do I need to do a sleep study?

Sleep doctors often recommend a sleep study *before* an oral appliance is prescribed (to determine the diagnosis), and *after* the oral appliance is used to confirm its effectiveness. A study resulting in the diagnosis of a sleep-disordered breathing condition is necessary to be eligible for any private health insurance rebates. At Bite Dental we have Oventus Accredited Clinician's so talk to us to learn more.

Does it make a person gag?

The O2Vent™ sits between the teeth and the cheeks. It doesn't extend over the palate or the tongue so we haven't had any issues with clients gagging from it—and we've treated some very severe gaggers.

What's the difference between the Oventus O2Vent and other oral devices?

Like many oral appliances, the O2Vent™ stabilises the jaw position and brings the tongue forward to reduce airway collapse. In addition, the unique breathing path created by the O2Vent™ allows for the passage of air to bypass blockage in the nose—often a large contributor to snoring and sleep-disordered breathing. An O2Vent™ is:

1. A clear airway

The O2Vent™ has an airway about the size of a healthy human nose incorporated into it. The air enters and is delivered to the back of the oral cavity so clients can breathe through the device while maintaining an oral seal.

2. Small and streamlined

The O2Vent™ is 3D printed in medical grade titanium which facilitates its lightweight, thin wall and complex hollow structure incorporating its unique airway. This results in an airway built into a more streamlined device that is less than 5mm thick as it passes between the teeth—it's about the size of a standard mouthguard.

3. Lightweight

The uniquely-designed mouthguard weighs around 35 grams dependent on customised design.

4. Comfortable

The O2Vent™ is lined with a medical grade, polymer liner to maximise comfort. The design of this customised device gently fits around your teeth, and provides ample space to accommodate the tongue.

