



BETTER SLEEP, BETTER HEALTH
and a **BETTER LIFE**

Media release

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Maskless C-PAP one step closer

C-PAP without a mask is one step closer signalling the first major change in sleep medicine in decades.

A study currently under way is building on clinical evidence to overhaul the treatment of Obstructive Sleep Apnoea (OSA).

The first patient has been recruited in the next stage of a trial combining an oral appliance and C-PAP.

It follows positive results from a pilot study, which proved the concept of connecting a device from Oventus Medical and C-PAP, in a game-changing move for treating the potentially deadly illness.

Oventus founder and clinical director Dr Chris Hart said this was a major advancement in the ever-expanding range of sleep apnoea solutions using Oventus Airway Technology.

“We are continuing to develop and refine our suite of sleep apnoea solutions but critically, we are backing that with scientific proof,” Dr Hart said.

“The pilot study using the O2Vent T showed benefits both when used as a standalone device, or connected to a C-PAP machine. This gave us confidence to move forward with advancing the current design of the connector system and expanding the trial.”

C-PAP is considered the gold standard in treatment of OSA but Dr Hart said more than half of people who started using it, stopped within a year.

Sleep disorder device manufacturer and developer Oventus Medical is developing a hybrid designed to bridge the gap between current oral appliances and C-PAP.

Dr Hart said the process to optimise the connector will be completed in the expanded trial. It’s expected to be finished by the end of the year.

Another trial is now under way in Perth, focussing on specific pressure and flow measurements in the patient's airway and how Oventus Airway Technology influences this.

The clinical trial results from these two studies will enable the development of the a wearable micro PAP.

Results from the initial pilot study will be presented at **American Academy of Dental Sleep Medicine** in Boston on June 2nd.

The conference is the premier world forum for the latest developments in clinical sleep medicine.

Notes: Continuous Positive Airway Pressure (C-PAP)

-ENDS-

Media and interview opportunities:

Dr Chris Hart, BSc. BDSc.(Hons) M.Phil.(Cantab), Oventus founder and Clinical Director

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About Oventus

Oventus is a Brisbane based medical device company that is commercialising a suite of oral appliances for the treatment of sleep apnoea and snoring. Unlike other oral appliances, the Oventus devices have a unique and patented airway within the device that delivers air to the back of the mouth whilst alleviating multiple sites of obstruction including the nose, soft palate and tongue. They are particularly designed for the many people that have nasal obstructions and consequently tend to mainly breathe through their mouth. While it may seem counterintuitive, the device actually prevents oral breathing. The O₂Vent™ T is designed to allow nasal breathing when the nose is unobstructed, but when obstruction is present; breathing is supplemented via the airways in the appliance. According to a report published by the Sleep Health Foundation Australia, an estimated 1.5 million Australians suffer with sleep disorders and more than half of these suffer with obstructive sleep apnea.¹ Continuous positive airway pressure (CPAP) is the most definitive medical therapy for obstructive sleep apnoea, OSA, however many patients have difficulty tolerating CPAP². Oral appliances have emerged as an alternative to CPAP for obstructive sleep apnoea treatment.³

1. Deloitte Access Economics. *Reawakening Australia: the economic cost of sleep disorders in Australia*, 2010. Canberra, Australia.

2. Beecroft, et al. Oral continuous positive airway pressure for sleep apnoea; effectiveness, patient preference, and adherence. *Chest* 124:2200–2208, 2003

3. Sutherland et al. Oral appliance treatment for obstructive sleep apnoea: An updated Journal of Clinical Sleep Medicine. February 2014.

