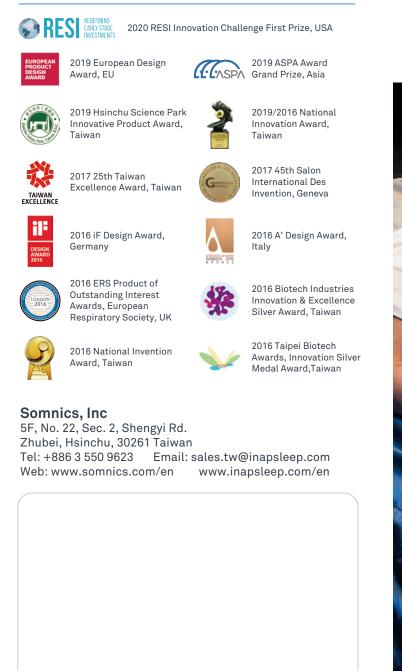
#### > International Awards



## SOMNICS

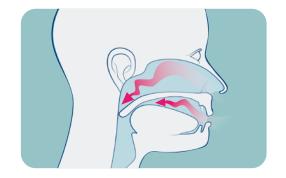
Innovative Negative Air Pressure Therapy



# OSA Obstructive sleep apnea

## > What is OSA ?

Obstructive sleep apnea (OSA) is a serious sleep disorder that occurs when breathing is interrupted by a blockage of the airway, usually when the soft tissue in the back of the throat collapses during sleep. People with untreated sleep apnea stop breathing repeatedly during their sleep, sometimes hundreds of times. This means the brain and the rest of the body may not get enough oxygen.



## 🔆 Symptoms

- Morning headache
- Excessive daytime sleepiness
- Difficulty concentrating
- Memory difficulty
- Irritability or depression



- Loud snoring
- Episodes of stopped breathing during sleep
- Abrupt awakenings accompanied by gasping or choking
- Nighttime frequent urination
- Insomnia

#### > Health Risks if Left Untreated

Hypertension, stroke, CVD (Cardiovascular Disease), diabetes, dementia, severe injury/accident caused by daytime fatigue.

### > OSA Treatment Options

#### • iNAP®

Gentle vacuum to pull tongue and soft tissue forward, keep airway open and prevent soft tissues from collapse.

• Lifestyle Change Including diet, weight loss, sleep posture training and/or routine exercise.

#### Oral Appliances

Minimizing airway blockage and maintain opened by pulling jaw forward.

## How It Works

iNAP<sup>®</sup> treats the root cause of sleep apnea by applying gentle suction to airway soft tissues during sleep, opening and stabilizing the airway, allowing you to breathe naturally, and more importantly, sleep without a mask.



Airway blocked by collapsed soft tissues.

iNAP creates oral vacuum.



Negative pressure keeps airway open.

• CPAP

Keep airway open by blowing positive pressure through mask.

Surgery

Tailor the upper respiratory area, including, nose, tongue and throat to maintain airway opened.



## Why Choose iNAP®

₀₋∕∖∕∟

Clinically

Proven



Breathe Naturally X

Quiet &

Discreet

IJ.

Mask

Free

iNAP<sup>®</sup> One





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SOMNICS

<u>-</u>

Battery

Powered

**INAP** 

#### **Patient Outcomes** >

iNAP® is safe and clinical proven.



Patients report very much or much improved in Clinical Global Impression of Change (CGI-C).



73

70

iNAP® therapy clinical successful rate.

Average reduction in sleep apnea events.

Reduction in sleep time with SpO2 lower than 90%.



Average reduction in oxygen desaturation events.

Average reduction in duration of the longest apnea events.

#### Reference

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A Single-center Cross-over and Evaluator-blind Pivotal Study to Evaluate the Efficacy and Safety of intraoral Negative Air Pressure Device in Adults with Obstructive Sleep Apnea. Sleep 2019, USA Chia-Mo Lin & Ching-Yuan Cheng, Shin Kong Wu Ho-Su Memorial Hospital. Taiwan. Christian Guilleminault, Stanford University Sleep Medicine Division, USA.



**Publication List**