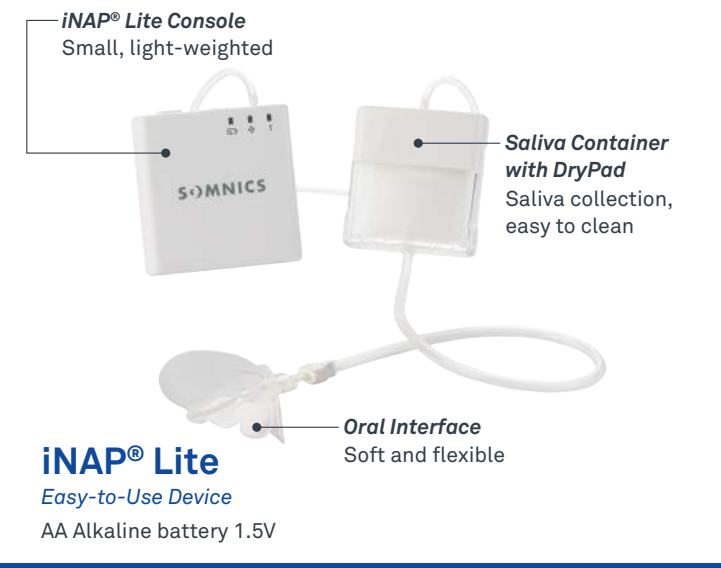


# A great sleep experience for patients to get high-quality and uninterrupted sleep every night

The iNAP® sleep therapy system is designed to provide a comfortable sleep experience for OSA (Obstructive Sleep Apnea) patients. Unlike traditional CPAP machines, the iNAP® system works without a facial mask or a bulky machine and instead uses a discreet soft oral interface and a quiet pocket-sized console. The iNAP® allows you breathe easily and naturally, and enjoy uninterrupted sleep all night long.

## iNAP® Benefits

-  Natural breathing
-  Battery-powered
-  Discreet and quiet
-  Operation without mask
-  Excellent wearing comfort
-  Portable and travel-friendly



### Multicenter Study Sites

#### Germany

- |  |  |
|--|--|
| INTERSOM<br>Cologne, Germany<br>Lennart Knaack               | Somnolab<br>Dortmund, Germany<br>Hans-Christian Blum             |
| Alfred Krupp Krankenhaus<br>Essen, Germany<br>Ricardo Stoohs | American Sleep Clinic<br>Frankfurt, Germany<br>Hartmut Schneider |
| HELIOS Klinik Ambrock<br>Hagen, Germany<br>Georg Nilus       | Krankenhaus Bethanien<br>Sölingen, Germany<br>Randerath          |

#### USA

- |  |                                 |
|--|---------------------------------|
| Core Lab<br>Johns Hopkins Sleep Center, USA<br>Alan Schwartz   | Burlingame, USA<br>Farid-Moayer |
| Stanford University California, USA<br>Christian Guilleminault |                                 |

#### Taiwan

- |  |   |
|--|---|
| Mackay Memorial Hospital<br>Taipei, Taiwan         | Shin Kong Wu Ho-Su<br>Memorial Hospital<br>Taipei, Taiwan |
| Principal Investigator:<br>Hartmut Schneider, M.D. |   |

# SOMNICS

Sleep well. Wherever you are.



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 Add : 5F, No. 22, Sec. 2, Shengyi Rd., Zhubei City, Hsinchu County,  
 30261, Taiwan

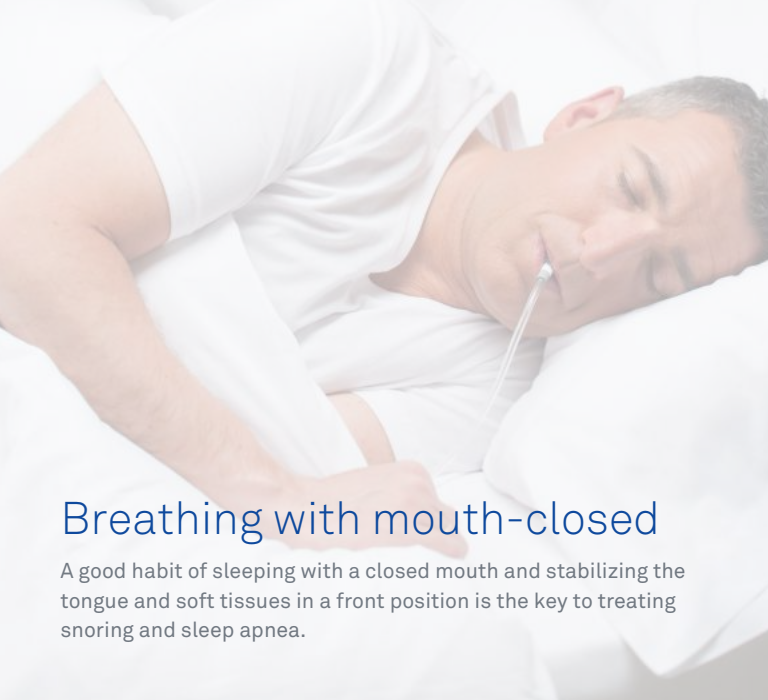


Sleep Therapy System



Sleep well.  
Wherever you are.





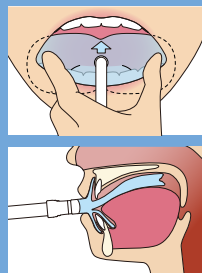
## Breathing with mouth-closed

A good habit of sleeping with a closed mouth and stabilizing the tongue and soft tissues in a front position is the key to treating snoring and sleep apnea.

## Why You Should Sleep and Breathe with Mouth-Closed?

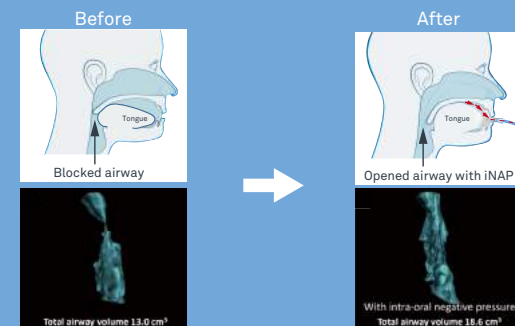
- The disadvantages of sleeping with an opened mouth are snoring, sleep apnea, allergic rhinitis and periodontal disease
- iNAP® helps you correct mouth breathing and sleep with a closed mouth all night long
- Free the airway to allow air into the lungs that helps you wake up full energy

## Wearing the Oral Interface



1. Squeeze the lip shield of the oral interface and open your mouth.
2. Make sure the lip shield is located between the frontier of the teeth and the rear of the lips.
3. Keep the lip shield and the flexible tube in your mouth, then have the tongue rest on the tongue shield.

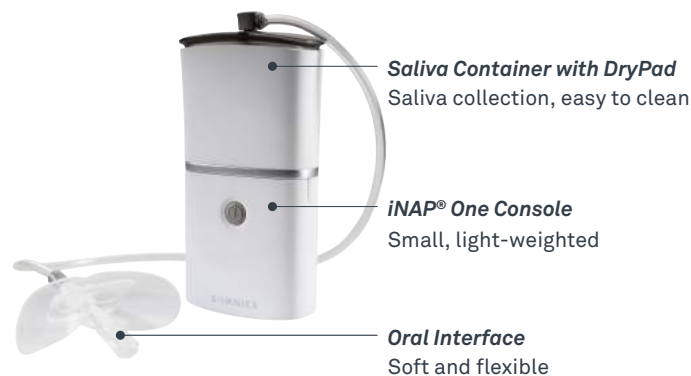
The MRI of the upper airway demonstrated an increased total airway volume with iNAP®.



Total airway volume 13.0 cm<sup>3</sup>      With intra-oral negative pressure Total airway volume 18.6 cm<sup>3</sup>

\*Reference  
The effective rationale of a novel intra-oral negative pressure device for obstructive sleep apnea

Ching-Lung Liu1, Tien-Jen Liu2,5, Ying-Piao Wang2,3, Yi-Shing Leu2,3,4 'The effective rationale of a novel intra-oral negative pressure device for obstructive sleep apnea'. Mackay Memorial Hospital.



**Saliva Container with DryPad**  
Saliva collection, easy to clean

**iNAP® One Console**  
Small, light-weighted

**Oral Interface**  
Soft and flexible

## iNAP® One

All-in-One Device

USB-powered lithium-ion battery

## iNAP® Care APP

Record the Treatment Time and Sealing Time in APP

You can connect your iNAP® device with APP by bluetooth.



## iNAP® Lab APP

Integrate Wrist Watch Pulse Oximeter with iNAP®

The Wrist Watch Pulse Oximeter can detect your blood oxygen saturation level during sleep, which is also a good indicator of how the therapy is going.



- Baseline without iNAP®, it shows decreased oxygen desaturation events OD 24/hr and total OD events 118 (5hr).
- Treatment with iNAP®, it shows a decreased OD 2.4/hr and total OD events 14 (5hr).
- In this case, there is 88% decrease in oxygen desaturation events.

## The Efficacy of Novel iNAP®

A proof-of-concept study of a novel intermittent negative air pressure iNAP® device for physicians to apply on patients and ameliorate obstructive sleep apnea syndrome in adults.

The study is full of Sleep and Breathing - International Journal of the Science and Practice of Sleep Medicine references on Springer Nature Switzerland AG, the journal published and co-authored by **Prof. Christian Guilleminault** of Standard University (2019).



## Multi-Center Study of iNAP®

28-day take-home study

	ITT Cohort N=62
Average Usage per Day (hrs)	6.08
Average Seal time per Day (hrs)	4.90
Average Percent Seal time	81%
Average Percent Days Over 4 hours Use	94%

