



For patients with positional OSA,
including those who failed PAP therapy

Philips NightBalance is **on their side**

A clinically proven positional sleep
apnea therapy designed for exceptional
patient comfort, convenience,
acceptance and adherence



NightBalance sends gentle vibrations
that prompt patients to change sleeping
position without disturbing their sleep.^{5,6}



References: 1. Sawyer et al. 2011. A Systematic Review of CPAP Adherence Across Age Groups: Clinical and Empiric Insights for Developing CPAP Adherence Interventions. 2. Weaver et al. 2008. Adherence to Continuous Positive Airway Pressure Therapy. 3. Cartwright criteria. *Effect of Sleep Position on Sleep Apnea Severity*. R. Cartwright, 1984. 4. Heinzer, R. et al. Prevalence and Characteristics of Positional Sleep Apnea in the HypnoLaus Population-based cohort. *Sleep Medicine* 2018; 48:157-162. 5. van Maanen et al. 2013. The sleep position trainer: a new treatment for positional obstructive sleep apnoea. 6. Eijlsvogel et al. 2015. Sleep Position Trainer versus Tennis Ball Technique in Positional Obstructive Sleep Apnea Syndrome. 7. Berry RB, et al. NightBalance Sleep Position Treatment Device versus Auto-adjusting Positive Airway Pressure for Treatment of Positional Obstructive Sleep Apnea. *Journal of Clinical Sleep Medicine*, Accepted Papers, 2/27/2019. 8. Dutch Apnea Society (Apneuvereniging) survey based on 75 NightBalance users for an average of 2.2 years, 2017.

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PHILIPS

Sleep position therapy

For your patients with
positional obstructive sleep apnea

Philips NightBalance We're on your side



Philips Respiroics
Chichester Business Park,
City Fields Way,
Tangmere,
Chichester
West Sussex PO20 2FT

+44 (0) 800 1300845

www.philips.com/POSA

Challenges and opportunities in treating positional OSA

Addressing challenges with many available therapies

Nonadherence is a barrier to both traditional obstructive sleep apnea (OSA) therapy and passive positional devices (tennis balls and other bulky devices worn on the back during sleep).



CPAP nonadherence ranges between **29%–83%** when nonadherence is defined as ≤ 4 hours of use per night.^{1,2}

An opportunity to Optimise therapy

Targeted positional OSA therapy

Traditional sleep therapies used for OSA are also typically used to treat positional OSA, despite the availability of less invasive, validated treatments that effectively treat positional sleep apnea.

Data-driven results

Available therapies for positional OSA lack data feedback that allows for tracking treatment progress.

Take a closer look at positional OSA

Defining positional OSA

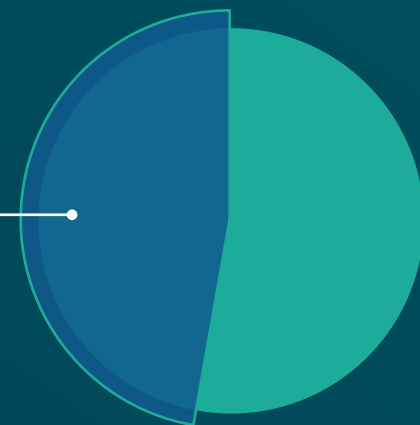
Cartwright criteria³

$AHI_{supine} \geq 2 \times AHI_{non-supine}$

Positional OSA occurs in nearly half of patients with OSA⁴

36%–47%

of patients met the criteria of exclusive positional OSA⁴



Patients with OSA



Backed by clinical evidence

NightBalance is supported by years of clinical studies in patients with positional OSA.

Berry, Richard B. et al., NightBalance sleep position treatment device versus auto-adjusting positive airway pressure for treatment of positional obstructive sleep apnea, *Journal of Clinical Sleep Medicine*, Accepted Papers, 2/27/2019.

de Ruiter, M. et al., Durability of treatment effects of the sleep position trainer versus oral appliance therapy in positional OSA: 12-month follow-up of a randomized controlled trial, *Sleep and Breathing*, 2018.

Benoist, L. et al., A randomized, controlled trial of positional therapy versus oral appliance therapy for position-dependent sleep apnea, *Sleep Medicine*, 2017.

van Maanen, J. et al., Long-term effectiveness and compliance of positional therapy with the sleep position trainer in the treatment of positional obstructive sleep apnea syndrome, *Sleep*, 2014.

van Maanen, J. et al., The sleep position trainer: A new treatment for positional obstructive sleep apnoea, *Sleep and Breathing*, 2013.

Your patients deserve NightBalance, a therapy that's on their side

In treating your patients with positional OSA

We're on your side, too

Proven efficacy

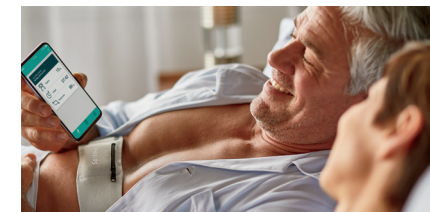
The AHI during PSG on the NightBalance was not importantly different from a clinical perspective to that on PAP therapy.⁷

Significantly greater adherence

Adherence with NightBalance was significantly higher than PAP in patients diagnosed with positional OSA.⁷

Data-driven results

Adherence and positional sleep data is accessible to you via a streaming, cloud-based system.



Exceptional comfort

- Some patients with positional OSA felt that NightBalance was more comfortable than PAP.⁷
- Patients are prompted to change their sleeping position without disturbing their sleep.

Easy adjustment

- A built-in adaptation program helps gradually adjust patients to wearing and being treated by the device.
- Some patients with positional OSA felt that NightBalance was easier to adjust to than PAP therapy.⁷

More motivation

- The NightBalance mobile app is designed to make treatment progress easy to see.

>70% reported feeling less sleepy and more refreshed during the day⁸

Visit www.philips.com/POSA or talk to a sales rep for more clinical information and resources.