



ResMed

ResMed **Air** Solutions



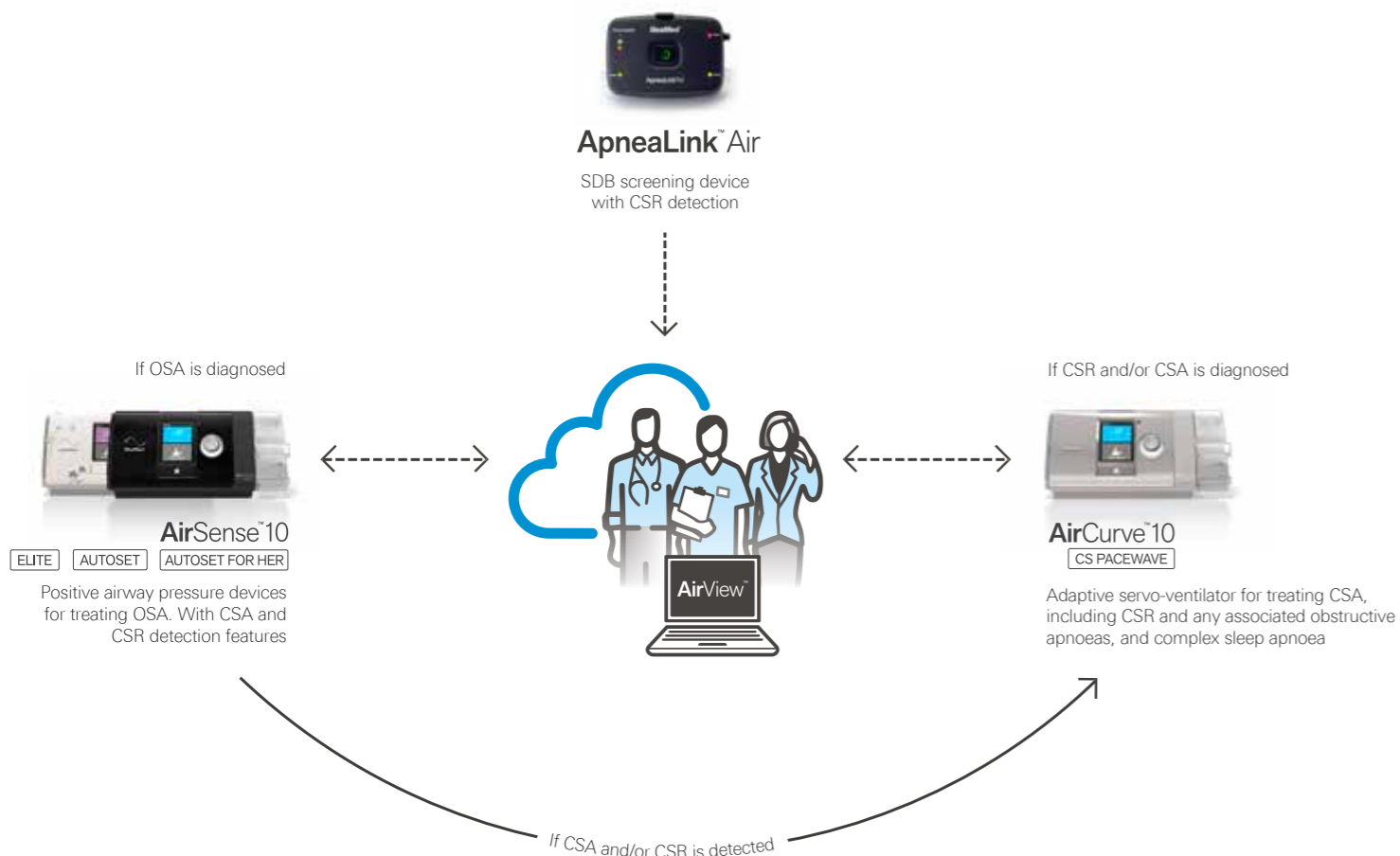
a new beginning
in managing CSA

ResMed.com/AirSolutions

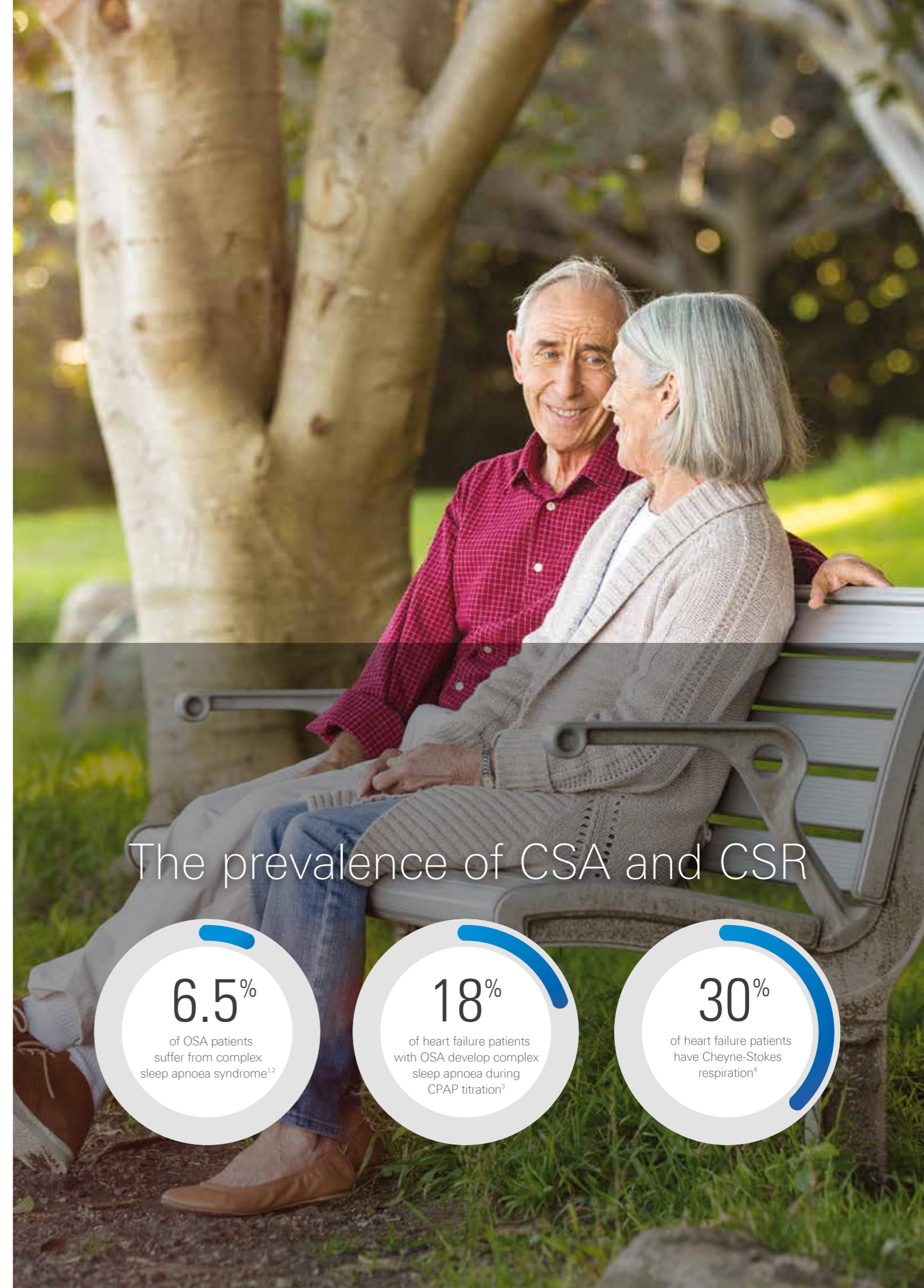
As your partner in patient care, ResMed gives you more clinical tools to manage patients with breathing disorders that can sometimes be challenging to treat.

Whether your patients are initially diagnosed with obstructive sleep apnoea (OSA), central sleep apnoea (CSA) or Cheyne-Stokes respiration (CSR), or they develop complex sleep apnoea during the course of their treatment, ResMed Air Solutions gives you more clinical insight to tailor treatment to each patient, at any stage of their journey.

ResMed Air Solutions: providing the tools to help you manage your OSA, CSA and CSR patients.



Thanks to the wireless connectivity built-in to each device, data is transmitted safely and securely to the cloud, ready for you to view and use to treat your patients accordingly.



The prevalence of CSA and CSR

6.5%
of OSA patients suffer from complex sleep apnoea syndrome^{1,2}

18%
of heart failure patients with OSA develop complex sleep apnoea during CPAP titration³

30%
of heart failure patients have Cheyne-Stokes respiration⁴



Sleep screening with ApneaLink Air

ApneaLink Air is an easy way to screen your patients for sleep-disordered breathing (SDB).

Cost-effective and convenient, ApneaLink Air lets you screen patients in the comfort of their own bedroom, which can help them accept the idea of therapy right from the start.

Using the reporting features in ApneaLink Air – which include CSR detection – you can identify each patient's condition and treat them appropriately as early as possible.

Part of ResMed Air Solutions, ApneaLink Air sends data directly to the cloud, so you can log in to your AirView account and see all your patient's screening information remotely, and without the hassle of returning the screening device.



CSA and CSR in your OSA patients

ResMed's new AirSense 10 therapy devices come with CSA and CSR detection features, so you can identify if patients being treated for OSA are exhibiting breathing patterns associated with CSA or CSR.

If CSA or CSR is detected in your patient, this is reported in AirView, where you'll be able to see central apnoeas captured in their AHI. You'll also be able to see if and for how long they exhibited CSR breathing patterns. From there you can provide treatment options tailored to their needs – prescribing an AirCurve 10 CS PaceWave™ adaptive servo-ventilation (ASV) device if needed.



A comprehensive system of connected care

AirView is ResMed's new cloud-based system for managing all types of patients being treated for SDB.

With wireless connectivity built-in to all AirSense 10 and AirCurve 10 therapy devices, your patients' therapy data is automatically sent to the cloud, ready for you to review in your AirView account.

Through this one integrated system you can not only change settings remotely, but also troubleshoot remotely thanks to AirView's remote assist feature – so common therapy questions can be resolved in minutes.

You can also use AirView to gain timely clinical insight into your patient's therapy. For example, by viewing each patient's night profile report in AirView, you'll be able to quickly and easily see and address any issues they may have with seal or compliance.

And with CSA and CSR detection information included in your AirView reports, you'll have better visibility of your patients' therapy progress, so that you can ensure they're always receiving the right treatment for their condition – choosing from the range of AirSense 10 devices and the AirCurve 10 CS PaceWave to provide the most appropriate treatment for them.

You can also use ResScan™ to view high-resolution data to help you manage challenging patients.

AirCurve 10 CS PaceWave

Introducing the proven⁵⁻⁷ PaceWave algorithm to the new ResMed Air Solutions platform, AirCurve 10 CS PaceWave offers a new beginning in treating central sleep apnoea.

Quick and easy to set up, AirCurve 10 CS PaceWave can help you save time during patient initiation, and streamline therapy titration for your most challenging patients.

Setting up humidification on the device is easier than ever with Climate Control's enhanced Auto option. All patients need to do to receive the ultimate in therapy comfort is attach the HumidAir™ heated humidifier and ClimateLineAir™ heated tube, and press Start on their device. No settings to change and no complicated menus to navigate.

And as part of ResMed Air Solutions, AirCurve 10 CS PaceWave features built-in wireless connectivity, giving you unprecedented access to your patients' therapy data via AirView. From there, you can gain greater clinical insight into each patient's therapy, and provide the appropriate level of care in a timely manner.



Learning continuously for personalised therapy

The only ASV therapy to target the patient's own recent MV



Responding rapidly for effective therapy

ResMed's most responsive ASV therapy



Predicting each patient's unique needs for ease-of-care

Treating your challenging patients has never been easier



Optimising comfort and synchrony for compliance

Boost compliance with natural breathing comfort and advanced synchrony

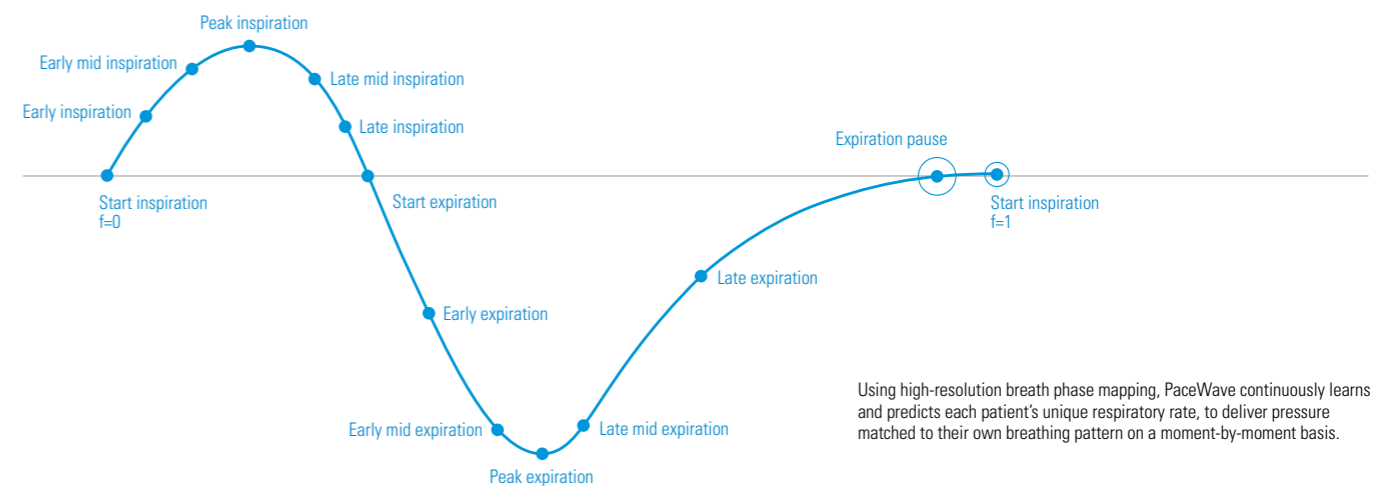
PaceWave: proven ASV therapy

PaceWave is the most clinically-studied and proven⁵⁻⁷ ASV therapy, and the only one of its kind to target recent minute-ventilation (MV).

Treating both obstructive and central events, ResMed's PaceWave algorithm stabilises respiration to help improve blood gases, and reduce stress on the heart.⁷

Upper airway obstructions are rapidly treated with auto-adjusting EPAP, while central events are addressed using PaceWave's backup breaths, which are delivered when needed. By continuously monitoring the patient's recent minute-ventilation, PaceWave also adjusts the Pressure Support to ensure the appropriate minute-ventilation target is maintained, and respiration is stabilised.

Combined with a natural waveform that mimics the patient's natural breathing, this gives patients personalised, comfortable therapy for improved sleep quality.



Using high-resolution breath phase mapping, PaceWave continuously learns and predicts each patient's unique respiratory rate, to deliver pressure matched to their own breathing pattern on a moment-by-moment basis.



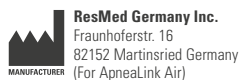
Therapy choices

ResMed's AirSense 10 series, and AirCurve 10 CS PaceWave therapy device, help you cater to your diverse patient base.

	Therapy modes			Clinical insight			Comfort features					Data			
	CPAP	AutoSet	AutoSet for Her	CSR detection	CSA detection	Respiratory effort-related arousals (RERA)	AutoSet algorithm with AutoSet Response	AutoRamp™ with sleep onset detection	Climate Control	Enhanced Climate Control Auto	Expiratory pressure relief (EPR™)	SmartStart™	Built-in wireless connectivity	AirView/EasyCare Online	AirView's remote assist feature
AirSense 10 series															
AirSense 10 Elite	•			•	•			•	•	•	•	•	•	•	•
AirSense 10 AutoSet™	•	•		•	•		•	•	•	•	•	•	•	•	•
AirSense 10 AutoSet for Her	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

	Therapy modes			Comfort features				Data		
	CPAP	ASV	ASV Auto	Vsync	Easy-Breathe waveform	Climate Control	Enhanced Climate Control Auto	Built-in wireless connectivity	AirView/EasyCare Online	AirView's remote assist feature
AirCurve 10 CS PaceWave	•	•	•	•	•	•	•	•	•	•

- 1 Javaheri S, Smith J et al. The prevalence and natural history of complex sleep apnea. *J Clin Sleep Med* 2009;5(3):205–211.
- 2 Morgenthaler TI, Kagramanov V et al. Complex sleep apnea syndrome: is it a unique clinical syndrome? *Sleep* 2006 Sep;29(9):1203–9.
- 3 Bitter T et al. Complex sleep apnea in heart failure. *Thorax* 2011;66:402–407.
- 4 Brack T, Randerath W et al. Cheyne-Stokes respiration in patients with heart failure: prevalence, causes, consequences and treatments. *Respiration* 2012;83(2):165–76.
- 5 Oldenburg O et al. Adaptive servoventilation improves cardiac function and respiratory stability. *Clin Res Cardiol* 2011;100(2):107–15.
- 6 Allam JS et al. Efficacy of adaptive servo-ventilation in treatment of complex and central sleep apnea syndromes. *Chest* 2007;132(6):1839–46.
- 7 Morgenthaler TI et al. Adaptive servo-ventilation versus noninvasive positive pressure ventilation for central, mixed, and complex sleep apnea syndromes. *Sleep* 2007;30(4):468–75.



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