

2026 | Regensburg

2–5 August | GERMANY



XVIII. Symposium on

Sleep & Breathing





VALENTUM KOMMUNIKATION
Marketing. Design. Event.

Organisation

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XVIII. Symposium on Sleep & Breathing

Date: **2–5 August 2026**

Location: **Venue Marinaforum**, Johanna-Dachs-Straße 46, 93055 Regensburg, Germany

Welcome & Introduction

The Symposium on Sleep and Breathing, held every 18–24 months, has long been a leading forum for scientific exchange in respiratory sleep medicine. Now in its 18th edition, it brings together over 200 international experts and early-career researchers to discuss the latest advances in basic, clinical, and translational science.

A hallmark of the symposium is its strong focus on original research, with concise presentations by young investigators forming the scientific core, complemented by keynote lectures from distinguished speakers that inspire discussion and new perspectives.

We are delighted to welcome you to Regensburg, a historic city that provides an inspiring setting for this year's meeting.

Scientific Steering Committee

Local Steering Committee



Michael Arzt



Christoph Fisser



Renaud Tamisier

International Steering Committee

Danny Eckert, Pedro Genta, John R Kimoff, Akifumi Kishi, Olli Polo, Vsevolod Polotsky, David Rapoport, Mihaela Teodorescu, Thomas Tolbert

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Keynote Speaker



Claire Arnaud
Grenoble, France



Ali Azarbarzin
Boston, US



Mathias Baumert
Adelaide, Australia



T. Douglas Bradley
Toronto, Canada



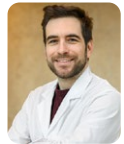
Reena Mehra
Seattle, US



Sushmita Pamidi
Montreal, Canada



Sanjay Patel
Pittsburgh, US



Martino Pengo
Milan, Italy

Early-Career Researcher Awards

This Symposium is particularly committed to actively integrating early-career researchers into the scientific program. To recognize outstanding scientific contributions and excellence by early-career researcher, the best of them will be awarded during the event.

The three best lectures presented by early-career researchers will be recognized with the Symposium's Early-Career Research Awards (US\$1,000 each). Awardees are selected by the Meeting Steering Committee based on the quality of their abstracts and research.

The Poster Award, endowed with US\$500, recognizes the most outstanding poster presentation.

In addition, the Best Science Slam Award honors the most engaging and impactful Science Slam presentation, celebrating excellence in communicating science to a broad audience.

All award winners will be announced during the Symposium's evening event on August 4 aboard the Kristallkönigin.

Program

Sunday, August 2

16:00	Registration & Fair
17:00	Welcome, Opening & Introduction Michael Arzt & Steering Committee
17:30	Keynote: Decisions in the Dark Stephan Kalhamer
18:30	Dinner & Fair
19:15	Science Slam Respiratory burden during sleep is associated with slow wave – heart rhythm decoupling Irina Filchenko, Bern, Switzerland What Does Sleep Apnea Look Like? – Answers from the MRI Sleep Lab Nathan Nowalk, Philadelphia, United States Is One Night Enough? The Hidden Risks of Sleep Apnoea Variability Lucia Pinilla, Adelaide, Australia Obstructive Sleep Apnea: Treatment beyond Plumbing Christian Strassberger, Boston, United States
22:00	End of day 1

You can find possible latest updates at
www.sleepandbreathing.de

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Monday, August 3

08:30	Registration
	Session 1: Sleep–Disordered Breathing Across the Lifespan Extending knowledge beyond pregnancy, this session highlights how sleep-disordered breathing across reproductive transitions may predispose women to cardiometabolic disturbances and discusses implications for maternal and offspring health. Chairs: Christoph Fisser, Donaustauf, Germany Olaf Oldenburg, Münster, Germany Mihaela Teodorescu, Madison, United States
09:00	Session Start
09:05	Keynote: Sleep-Disordered Breathing Across Reproductive Transitions: From Pregnancy to Menopause Sushmita Pamidi, Montreal, Canada
09:30	Oral presentations of original contributions Novel sleep disordered breathing measures and glucose control in pregnant individuals with gestational diabetes: a post hoc analysis Paolo Medina Iglesias, Montreal, Canada Effect of cannabidiol perinatal exposure on sleep and breathing in newborn rats Gabriele Matteoli, Alberta, Canada Real-World Pediatric NIV Adherence and Acute Healthcare Utilization Tetyana Kendzerska, Ottawa, Canada Role of REM OSA and Hypoxic Burden in Spatial Navigational Memory and Brain White Matter Integrity in Older Adults Andrew Varga, New York City, United States Gestational Intermittent Hypoxia Reprograms Adult Lung Function in Rat Offspring Mihaela Teodorescu, Madison, United States
10:30	Panel discussion
11:00	Break

Program

Monday, August 3



Session 2: Endotypes & Metrics beyond the Apnea-Hypopnea Index

Exploring innovative phenotyping and novel diagnostic measures that go beyond conventional indices to improve patient stratification and outcome prediction.

Chairs: Anne-Kathrin Brill, Bern, Schweiz | Danny Eckert, Adelaide, Australia | Renata L Riha, Edinburgh, Scotland

11:30 Session Start

11:35 Keynote: From Risk Prediction to Treatment Benefit: Polysomnographic Biomarkers Guiding Precision Care in Sleep Apnea | **Ali Azarbarzin, Boston, United States**

12:00 Oral presentations of original contributions

Establishing a normative value of area-based hypoxic burden measure in obstructive sleep apnea | **Li Zhou, New York City, United States**

Advances in Estimating Sleep Apnea Pathophysiological Endotypes Using Airflow Shapes | **Christian Strassberger, Boston, United States**

Estimating Skin Tone From Red And Infrared Light In Existing Pulse Oximeters To Correct Skin Tone-related Bias | **Andrew Wellman, Boston, United States**

Arousability from Sleep as a Multidimensional Construct: Principal Component Analysis and Machine-Learning Based Feature Selection for Sex-Specific Phenotyping and Cardiovascular Risk Stratification | **Matthew Gratton, Kansas, United States**

Clustering full-night polysomnography representations reveals novel physiological signatures of cardiovascular risk in sleep apnea | **Diego Mazzotti, Kansas, United States**

13:00 Panel discussion

13:30 **Lunch & Fair**

Monday, August 3

14:00

Poster Session:

Beyond Breathing: AI, Neurobiology & the Hidden Mechanisms of Sleep Apnea

Chairs: Olli Polo, Tampere, Finland | Thomas Tolbert, New York City, United States

P101: Introducing the Better OSCillation (BOSC) method for the detection of sleep spindles | **Clayton Dickson, Alberta, Canada**

P102: Novel breath detection algorithm to assess sleep-disordered breathing in a mouse model | **Cole Winston, Washington DC, United States**

P103: Diagnostic accuracy of an Under-mattress Sensor Mat versus Respiratory Polygraphy and Polysomnography for Obstructive Sleep Apnea in Primary Care | **Casey Franchi, Adelaide, Australia**

P104: Validation of head position derived from an accelerometer embedded into a mandibular advancement device | **Erin Mosca, Calgary, Canada**

P105: Oxygen desaturation from voluntary breath holds to test pulse oximeter performance related to skin tone | **Danny Eckert, Adelaide, Australia**

P106: Variability in lowest SpO₂ during breath-holding maneuver: a pilot study | **Eriko Hamada, Cleveland, United States**

P107: Biomechanical Behavior of Oropharyngeal Structures During Apneic Events in Natural Sleep | **Nathan Nowalk, Philadelphia, United States**

P108: Effect of Exogenous Ketones on Hypercapnic Ventilatory Response | **Jonathan Jun, Baltimore, United States**

P109: Opioid-induced Respiratory Depression and Biological Sex | **Gaspard Montandon, Toronto, Canada**

P110: Transection of the stylopharyngeus muscle and the pharyngeal branch of the vagus nerve produced different breathing patterns depending on the timing and combination of injury | **Eriko Hamada, Cleveland, United States**

P111: Effects of High Flow Nasal Insufflation on Overnight Energy Expenditure in Patients with Cystic Fibrosis | **Jin Hyeuk Choi, Baltimore, United States**

P112: Social snoring: increased snoring frequency during the weekend and impact of alcohol consumption | **Pedro Genta, São Paulo, Brazil**

P113: Study on Genetic Differences in Susceptibility to Obstructive Sleep Apnea and Comorbidity with Hypertension Between Han and Uyghur Nationalities | **Xuelong Jiang, Karamay, China**

P114: Economic Evaluation of Diagnostic Strategies for Sleep-Disordered Breathing in Adult Inpatients | **Tetyana Kendzerska, Ottawa, Canada**

Program

Monday, August 3



Session 3: Neurobiology of Sleep Disordered Breathing

This session advances understanding of the neurobiological mechanisms underlying sleep-disordered breathing by focusing on neural and molecular pathways involved in its pathophysiology.

Chairs: Simon Lebek, Regensburg, Germany | Lucia Pinilla, Adelaide, Australia | Seva Polotsky, Washington DC, United States

15:00 Session Start

15:05 Keynote: From intermittent hypoxia to organ dysfunction: Mechanisms of Cardiovascular Adaptation and Maladaptation | **Claire Arnaud, Grenoble, France**

15:30 Oral presentations of original contributions

Melanocortin receptor 4 agonist, setmelanotide, treats opioid-induced respiratory depression | **Mateus Ramos Amorim, São Paulo, Brazil**

Role of melanocortin 4 receptor signaling in genioglossus muscle activity |

Md Tarikul Islam, Washington DC, United States

A detailed description of respiratory activity of motor units of the human sternothyroid and sternohyoid muscles: Novel insights to inform targeted neurostimulation approaches for sleep apnoea | **Mim Potter, Adelaide, Australia**

Chronic Psychosocial Stress: A Primary Driver of Sleep Apnea Onset in Rats and Humans | **Richard Kinkead, Québec, Canada**

Effects of Kir6.2 containing KATP channels on sevoflurane-induced gasping in mice | **Saki Taiji, Tokyo, Japan**

16:30 Panel discussion

17:00 End of Conference Sessions

19:00 **Castle Brewery Evening with Dinner**

No industry sponsorship is used to finance the evening event.

22:00 End of day 2

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Tuesday, August 4

08:30 Registration



Session 4: Consequences of Sleep-Disordered Breathing and Unrestorative Sleep

Understanding cardiovascular, metabolic, and neurocognitive sequelae of sleep-disordered breathing and unrestorative sleep. How can early intervention mitigate long-term systemic effects?

Chairs: Sarah Driendl, Regensburg, Germany | Akifumi Kishi, Tokyo, Japan | Winfried J Randerath, Solingen, Germany

09:00 Session Start

09:05 Keynote: Closing the loop: how treating sleep disorders restores the circadian BP rhythm and improves prognosis | **Martino Pengo, Milan, Italy**

09:30 Oral presentations of original contributions

Electroencephalographic Response to Respiratory Events and Longitudinal Cognitive Decline in Obstructive Sleep Apnea | **Mohammadreza Hajipour, Boston, United States**

New metric of nocturnal hypoxemic burden predicts vascular risk after stroke: comparative analysis | **Irina Filchenko, Bern, Switzerland**

Sex-Specific Phenotypes of REM and NREM Hypoxic Burden Predict Differential Risk of Incident Cardiovascular Events | **Michal Bechny, Zürich, Switzerland**

Respiratory burden during sleep is associated with slow wave–heart rhythm decoupling | **Irina Filchenko, Bern, Switzerland**

Respiratory events proximity increases respiratory event-related cardiac electrophysiological responses in obstructive sleep apnea | **Serajeddin Ebrahimian, Kuopio, Finland**

10:30 Panel discussion

11:00 **Break**

Program

Tuesday, August 4



Session 5: Management of Patients with Sleep Disordered Breathing

Current strategies, clinical challenges, patient adherence, and the role of digital tools in long-term management of PAP therapy.

Chairs: Atul Malhotra, San Diego, United States | Elisa Perger, Milan, Italy | David Rapoport, New York City, United States

11:30 Session Start

11:35 Keynote: Optimizing positive airway pressure therapy: adherence, outcomes, and real-world evidence | **Reena Mehra, Seattle, United States**

12:00 Oral presentations of original contributions

Treatment of Sleep Disordered Breathing in Pregnancy and Postpartum with CPAP and Mandibular Advancement Splints: Patient-Perceived Barriers and Facilitators | **Kalpna Chaudhary, Montreal, Canada**

Conversion of predominant sleep apnea type over time in ADVENT-HF | **Sayaki Ishiwata, Toronto, Canada**

Win Ratio Analysis for Peak-flow Adaptive Servo-ventilation in Treating Sleep Apnea in Heart Failure with Reduced Ejection Fraction | **John Floras, Toronto, Canada**

Effect of Positive Airway Pressure versus Nocturnal Supplemental Oxygen on Markers of Inflammation in Obstructive Sleep Apnea | **Daniel Gottlieb, Boston, United States**

Effects of Daily Intermittent Hypercapnia on Sleep Quality in Veterans with Sleep-Disordered Breathing | **Moustafa Habra, Detroit, United States**

13:00 Panel discussion

13:30 **Lunch & Fair**

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Tuesday, August 4

14:00

Poster Session:

Why Sleep Apnea Matters: Cardiovascular Disease, Cognition & Patient Burden

Chairs: Michael Arzt, Regensburg, Germany | Michael Pfeifer, Regensburg, Germany

P201: Determining the success of therapy for obstructive sleep apnea through measurement of oxygen saturation with the OtvoFellow™ pulse oxymetry ring | **Denise Johnson, Randersacker, Germany**

P202: OSA through the Lens of Allostatics | **Eriko Hamada, Cleveland, United States**

P203: Effects of perinatal administration of Delta9-tetrahydrocannabinol on the development of sleep and breathing of postnatal rats | **Silvia Pagliardini, Alberta, Canada**

P204: Load-related modulation of intercostal muscle activity in ageing and chronic obstructive pulmonary disease | **Anna Hudson, Adelaide, Australia**

P205: Ethnic differences in sleep-disordered breathing and cardiometabolic profiles: harmonised analysis of SHIP and KoGES cohorts | **Matthew Salanitro, Berlin, Germany**

P206: Previous peripherally-located melanomas are more likely to be associated with cutaneous nocturnal intermittent hypoxaemia | **Kristina Kairaitis, Sydney, Australia**

P207: Sleep Apnea Risk Predicts Hospital Readmission | **Varun Badami, Baltimore, United States**

P208: Sleep apnoea and nocturnal cardiac arrhythmias: A subanalysis of the hypnolous study | **Valentin Guenzler, Regensburg, Germany**

P209: Randomized crossover withdrawal study on the effect of Adaptive Servo-Ventilation in Heart Failure Patients with preserved Ejection Fraction and Central Sleep Apnea on Nocturnal Blood Pressure: the VENT-HF | Blood Pressure study protocol | **Simone Matthae-Baierl, Regensburg, Germany**

P210: Restoration of REM Sleep Is Linked to Reduced Fatigue in HFrEF Patients With Sleep Apnoea on Adaptive Servo-Ventilation | **Anett Lindner, Regensburg, Germany**

P211: Sleep Quality and Sleep-disordered Breathing in Patients with Ventricular Assist Devices | **Sebastian Herberger, Berlin, Germany**

P212: Obstructive sleep apnea and longitudinal domain-specific cognitive decline in older adults: moderation by sex and APOE ε4 | **Joshua Gills, New York City, United States**

P213: Mental Health and Sleep Characteristics in Individuals with Untreated Obstructive Sleep Apnea | **Anja Seiger, Berlin, Germany**

P214: Symptom Subtypes, Mental Health Burden, and Comorbidity Profiles in a Mixed-Severity Australian Sleep Clinic Cohort | **Garun Hamilton, Melbourne, Australia**

P215: Treatment of obstructive sleep apnea (OSA) holds exciting potential as a novel intervention for pregnancy morbidity, but this is not reflected in the respiratory event index (REI) | **Mihaela Bazalakova, Madison, United States**

Program

Tuesday, August 4



Session 6: Endotype-Guided Precision Treatment for Obstructive Sleep Apnea

Aligning therapeutic strategies with underlying pathophysiological mechanisms to enable individualized and precision treatment of obstructive sleep apnea.

Chairs: Najib Ayas, British Columbia, Canada | Pedro Genta, São Paulo, Brazil | Clodagh Ryan, Toronto, Canada

15:00 Session Start

15:05 Keynote: The role of anti-obesity pharmacotherapy in the treatment of obstructive sleep apnea | **Sanjay Patel, Pittsburgh, United States**

15:30 Oral presentations of original contributions

Eszopiclone in Patients with Comorbid Insomnia and Obstructive Sleep Apnea (COMISA): A randomized double-blind trial | **Pedro Genta, São Paulo, Brazil**

The low arousal threshold endotype of obstructive sleep apnea is associated with symptoms of insomnia, anxiety, and depression | **Thomas Tolbert, New York, United States**

Upper Airway MRI of Obstructive Sleep Apnea Patients, With and Without Epiglottic Collapse | **Mariana Delgado Fernandes, São Paulo, Brazil**

Apnea Treat - Development and preclinical validation of a passive minimally invasive implant for the treatment of obstructive sleep apnea | **Alexander Bartsch, Regensburg, Deutschland**

Physiological determinants of apnea-hypopnea event duration after sulthiame in OSA patients: post-hoc analysis of a RCT | **Ding Zou, Gothenburg, Sweden**

16:30 Panel discussion

17:00 End of Conference Sessions

18:30 Boarding for the summer cruise

19:00 **Summer cruise on the Danube with Dinner**

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21:00 Awarding of Early-Career Researcher Awards

22:00 End of cruise and day 3

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Wednesday, August 5

08:30 Registration



Session 7: Revisiting Central Sleep Apnea: Pathophysiology and Management

Discussing advances in understanding central sleep apnea in heart failure and implications for individualized management strategies.

Chairs: Alberto Giannoni, Pisa, Italy | John R. Kimoff, Montreal, Canada | Maria Tafelmeier, Regensburg, Germany

09:00 Session Start

09:05 Keynote: Pathophysiology of central sleep apnea in heart failure and its implications for treatment | **T Douglas Bradley, Toronto, Canada**

09:30 Oral presentations of original contributions

Patent Foramen Ovale Closure in Patients with Obstructive Sleep Apnea: a Prospective Randomized Controlled Trial | **Anne-Kathrin Brill, Bern, Switzerland**

Effect of peak flow triggered adaptive servo-ventilation (ASVPF) on mortality in heart failure patients with prolonged Cheyne-Stokes respiratory cycle | **Sayaki Ishiwata, Toronto, Canada**

Effect of Sleep-Disordered Breathing and Adaptive Servoventilation on Heart Rate Variability in Patients with Acute Myocardial Infarction - A Subanalysis of the TEAM-ASV I Study | **Jan Pec, Regensburg, Germany**

Effects of transvenous phrenic nerve stimulation on nocturnal cardiac arrhythmias and heart rate in central sleep apnea | **Pia Mau, Regensburg, Germany**

All-cause mortality in patients indicated for Adaptive Servo Ventilation for Central Sleep Apnoea: A 5-year Follow-Up of the Prospective Multicentre Nationwide FACIL-VAA study | **Renaud Tamisier, Grenoble, France**

10:30 Panel discussion

11:00 **Break**

Wednesday, August 5



Session 8: Digital Sleep Science & Signal Innovation

Leveraging digital biomarkers, artificial intelligence, and advanced signal processing to redefine diagnostics, monitoring, and long-term management of sleep disorders.

Chairs: Michael Arzt, Regensburg, Germany | Dagmar Krefting, Göttingen, Germany | Renaud Tamisier, Grenoble, France

11:15 Session Start

11:20 Keynote: Risk assessment 2030: new parameters from polysomnography and wearables as diagnostic tools for risk stratification | **Mathias Baumert, Adelaide, Australia**

11:45 Oral presentations of original contributions

Early Positive Airway Pressure Therapy Behaviour Patterns and Their Association With Adherence in European Patients With Obstructive Sleep Apnea | **Caleb Woodford, Halifax, Canada**

SleepJEPa: A Joint Embedding Predictive Architecture Trained with At-Home Sleep Study Data Accurately Estimate Sleep Features and Long-Term Disease Risk | **Benjamin Fox, New York City, United States**

Associations of Sleep Apnea Physiological Burdens with Large Language Model-Derived Obstructive Sleep apnea symptoms and risk factors | **Siyun Yang, New York City, United States**

Validation of oxygen desaturation event detection by a buccal mucosal oximeter | **Erin Mosca, Calgary, Canada**

High night-to-night variability in sleep apnoea severity is associated with prevalent cardiovascular events | **Lucia Pinilla, Adelaide, Australia**

12:45 Panel discussion

13:15 **Lunch & Fair**

14:00 End of Symposium

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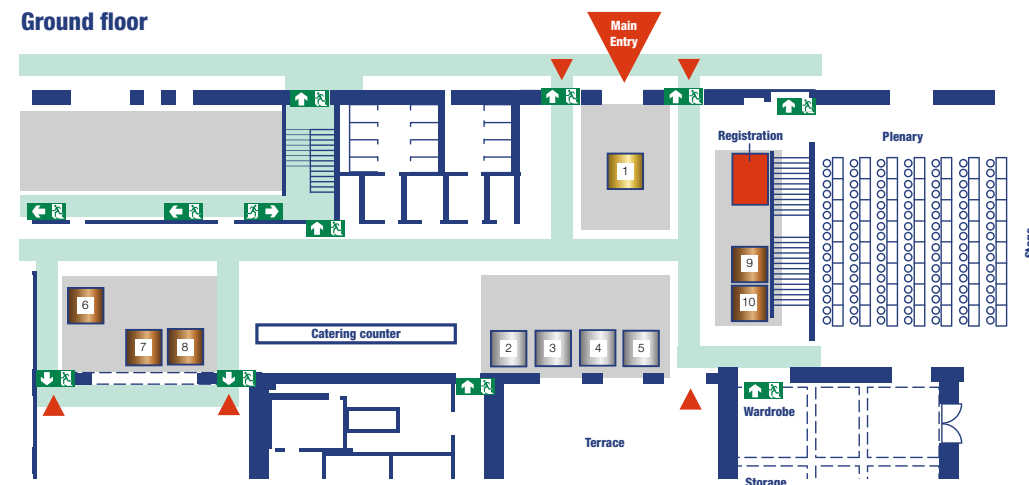
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Exhibition floor plan

Ground floor



Gold

1 Fisher & Paykel Healthcare



Silver

- 2** Nox Medical
- 3** Löwenstein Medical
- 4** Lilly
- 5** Resmed



Bronze

- 6** Bioprojet Deutschland
- 7** SOMNOMedics
- 8** Zoll Respicardia
- 9** Inspire Medical Systems GmbH
- 10** ProSomnus Sleep Technologies

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**Foundation for Research
in Sleep Disorders**



Fisher & Paykel

HEALTHCARE

Fisher & Paykel Healthcare is a leading designer, manufacturer and marketer of products and systems for use in acute and chronic respiratory care, surgery and the treatment of obstructive sleep apnea. Driven by a strong sense of purpose, we are working to improve patient care and outcomes through inspired and world-leading healthcare solutions. The needs of our customers and their patients drive everything we do. We call this commitment Care by Design. Our medical devices and technologies help clinicians deliver the best possible patient care. They enable patients to transition into less-acute care settings, recover more quickly and avoid more serious conditions. Because of our products and therapies, many patients can be treated in the comfort of their own homes instead of in the hospital. Not only does this make life better for the patient, it reduces costs for the world's healthcare systems. Product innovation has been the cornerstone of our success since 1969, when our first prototype respiratory humidifier was developed. Today, we are still striving to lead the way in the development of medical devices and technologies by continuously improving our products, pioneering new therapies, and changing clinical practice.

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🌐 <https://noxmedical.com/>

Resmed

Resmed creates life-changing health technologies that people love. We're relentlessly committed to pioneering innovative technology to empower millions of people in 140 countries to live happier, healthier lives. Our AI-powered

digital health solutions, cloud-connected devices and intelligent software make home healthcare more personalized, accessible and effective. Ultimately, Resmed envisions a world where every person can achieve their full potential through better sleep and breathing, with care delivered in their own home.

🌐 <https://www.resmed.de/>



Bioprojet Deutschland GmbH is the German subsidiary of the French, owner managed pharmaceutical company Bioprojet, headquartered in Paris. Founded in 1982, the company combines academic research with industrial drug development and focuses on innovative therapies in the fields of sleep medicine, allergology, gastroenterology, and rare diseases.

Bioprojet is represented in several European countries and develops as well as markets pharmaceutical products based on its own research approaches, with the aim of sustainably improving patient care and treatment outcomes.

🌐 <https://www.bioprojet.com/en/>



Inspire Medical Systems is a medical technology company specializing in the development and marketing of innovative, minimally invasive solutions for patients with obstructive sleep

apnea. The proprietary Inspire therapy is an FDA, MDR, and PDMA-approved implantable neurostimulation system that offers a safe and effective alternative when therapy with CPAP devices has failed for the treatment of moderate to severe obstructive sleep apnea.

🌐 <https://www.inspiresleep.de/>



ProSomnus® is the leading non-CPAP OSA therapy® for the treatment of Obstructive Sleep Apnea, a serious medical disease affecting over 1 billion people worldwide, that is associated with comorbidities including heart failure, stroke, hypertension, morbid obesity, and type 2 diabetes. ProSomnus intraoral medical devices are engineered to precisely track the treatment plan and anatomy for each patient. Non-invasive, patient preferred and easy to use, ProSomnus devices have demonstrated excellent efficacy, safety, adherence, and overall outcomes in a growing body of clinical investigations. ProSomnus precision intraoral devices are FDA-cleared, patented, and covered by commercial medical insurance and sponsored healthcare plans around the world, representing over 200 million covered lives.

<https://prosomnus.com/>



SOMNOmedics is an internationally established medium-sized company specialising in the development, production and distribution of high-quality medical devices, based in Randersacker amidst the Franconian vineyards. Today, medical technology must be guided by the latest medical research and the growing needs of doctors and patients. Innovative solutions are particularly in demand in the rapidly evolving field of sleep medicine. With our roots in sleep medicine, we see ourselves as specialists in polysomnography and cardiorespiratory screening, and have established a leading position in both the German and European markets based on quality and the continuous development of our products. Furthermore, drawing on our experience over the last 25 years, we have also expanded into cardiology and neurology, offering sophisticated solutions for diagnostic long-term EEGs, long-term ECGs and continuous long-term blood pressure monitoring. Our aim is for these solutions to be easy for doctors and patients to use, to provide reliable results and to be dependable in daily practice.

<https://somnomedics.de/de/medizintechnik-fuer-innovative-diagnostik/>



Sefam is a French manufacturer specializing in respiratory care devices for sleep-disordered breathing, including CPAP and non-invasive ventilation (NIV). Founded in 1984, Sefam has over 40 years of expertise in the field and is the creator of the world's first CPAP device, invented by Pierrick Haan, the company's founder and current President. In 2024, Sefam launched the first foam-free CPAP on the market, reflecting its commitment to technological progress and safety. Today, Sefam has grown into an international player, with its solutions distributed in more than 70 countries worldwide.

<https://sefam-international.com/>



Westfalen
Medical

Westfalen Medical GmbH offers people with respiratory conditions innovative device technologies and services in the fields of oxygen, sleep, and ventilation therapy as well as secretion management. The Westfalen Medical team consists of qualified employees who can look back on decades of experience in patient care. Providing individual and prompt solutions is therefore one of our strengths. Improving the quality of life for the people we care for is our highest priority.

<https://www.westfalenmedical.de>



remede® System

Founded in 2006 and acquired by ZOLL in 2021, ZOLL Respicardia is a leader in innovative technologies that address the unmet needs of people with Central Sleep Apnea (CSA). CSA results from the brain's inability to send appropriate signals to the respiratory muscles to stimulate breathing during sleep. CSA is a serious breathing disorder that disrupts the normal breathing pattern and negatively affects quality of life and overall health. The remede® System, is an implantable stimulation device that is designed to restore a more normal breathing pattern during sleep for people with CSA.

<https://remede.zoll.com/>

