

Sleep Apnea Detection. Arrhythmia Detection.

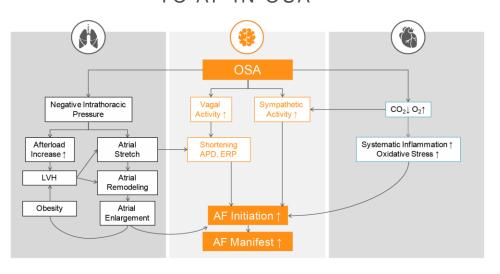
All in One.

SPIDER SAS POLYGRAPH HOLTER

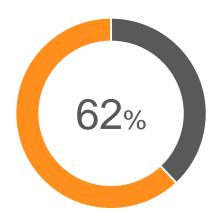


THE STRONG LINK BETWEEN OSA & AF

MECHANISMS CONTRIBUTING TO AF IN OSA¹



PAROXYSMAL OR PERSISTENT AF



Overall, OSA patients have 4-fold-higher risk of AF.2

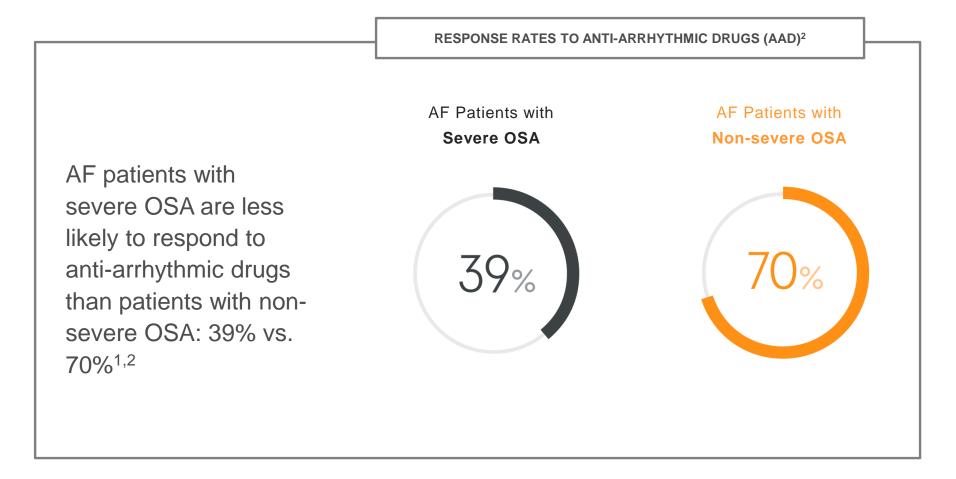
There is a strong link between arrhythmia and sleep apnea

62% of patients with paroxysmal / persistent AF have OSA.3



- 1. Ling Zhang, Obstructive Sleep Apnoea and Atrial Fibrillation, Arrhythmia & Electrophysiology, 2015; 4 (1):14-8
- 2. Mehra R et al. Am J Respir Crit Care Med Vol 173. pp 910-916, 2006
- 3. Stevenson IH, Teichtahl H, Cunnington D, Ciavarella S, Gordon I, Kalman JM. Prevalence of sleep disordered breathing in paroxysmal and persistent atrial fibrillation patients with normal left ventricular function. Eur Heart J 2008;29:1662–9

TREATING OSA IMPROVES AF THERAPY SUCCESS



TREATING OSA IMPROVES RESPONSE TO AF MEDICATION

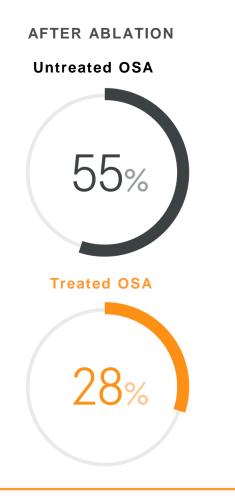


TREATING OSA IMPROVES AF THERAPY SUCCESS OVERALL

AF RECURRENCE AT 12 MONTHS UNTREATED OSA VS. TREATED OSA

- After cardioversion, treating OSA reduces
 AF recurrence by almost 50%.¹
- AF patients with untreated OSA have a 55% risk of AF recurrence after ablation compared to 28% for those treated with CPAP.²

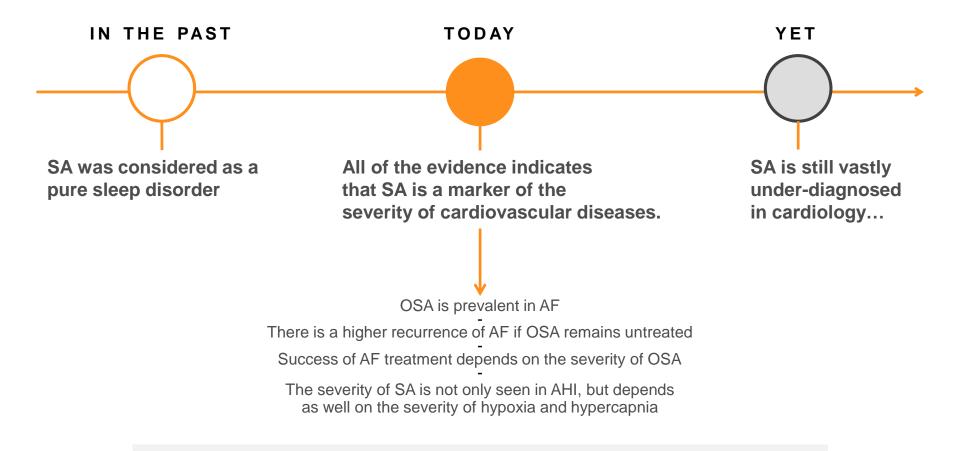






^{1.} Kanagala R et al. - Obstructive Sleep Apnea and the recurrence of Atrial Fibrillation. Circulation 2003

WHAT HAVE WE LEARNED SO FAR?



There is an urgent need to provide cardiologists with a full set of solutions to address the matter, in collaboration with sleep specialists



1 DEVICE 2 PROCEDURES

SLEEP APNEA DETECTION

- Respiratory Polygraph Cat III
- 1 or 2 nights recording

ARRHYTHMIA DETECTION

- Up to 32h hours recording
- 2 ECG channels



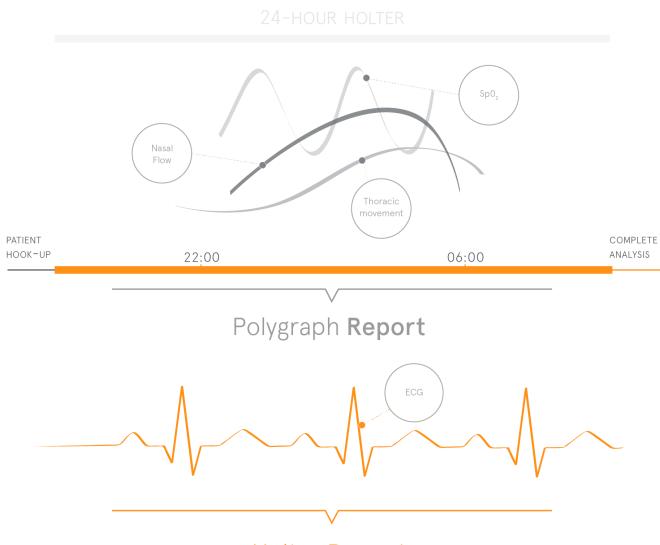


All of Microport's know-how in Holter technology is built into Spider SAS.



ALL IN ONE

ALL OF MICROPORT'S KNOW-HOW IN HOLTER TECHNOLOGY IS BUILT INTO SPIDER SAS

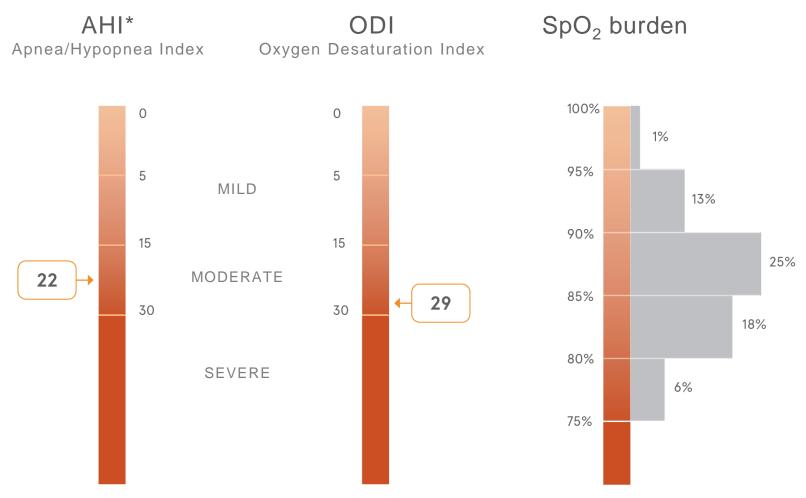




POLYGRAPH

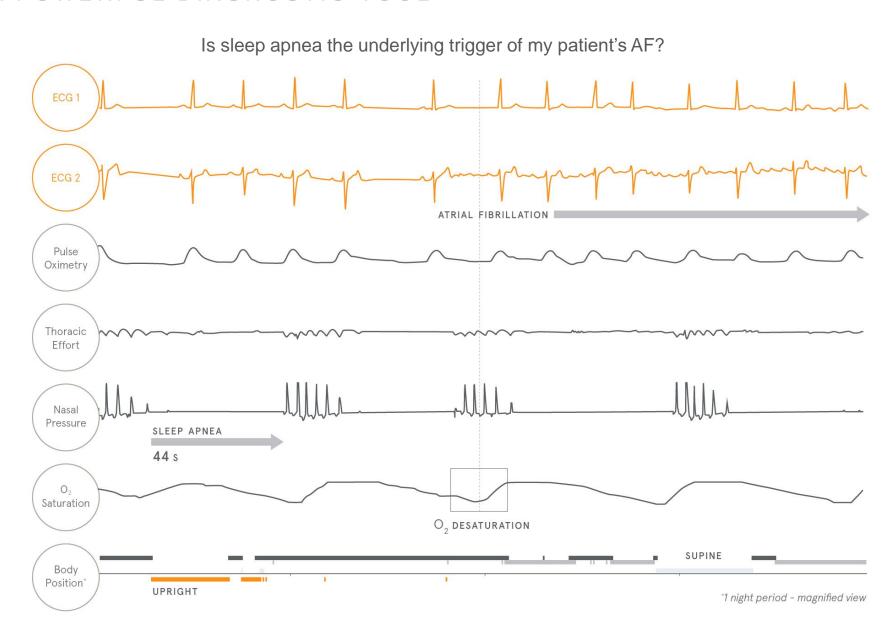
SLEEP APNEA DIAGNOSIS IN YOUR HANDS







A POWERFUL DIAGNOSTIC TOOL

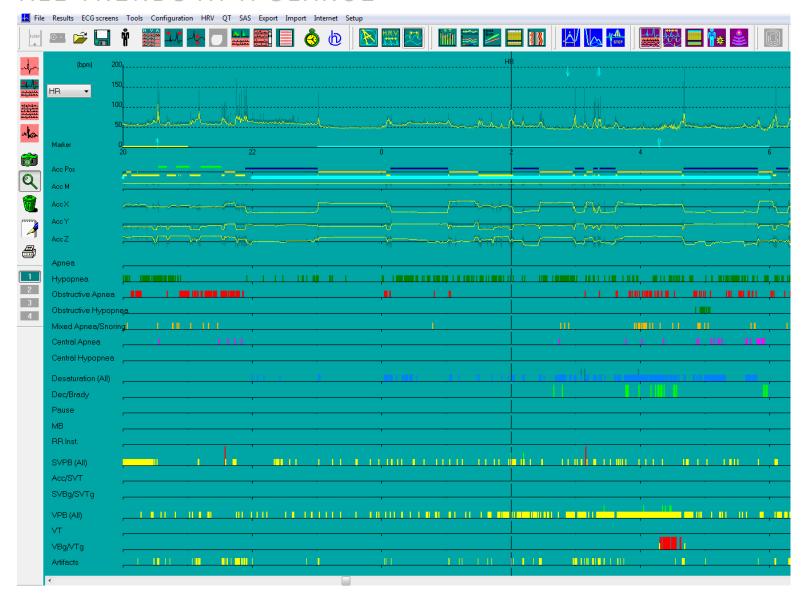


A POWERFUL DIAGNOSTIC TOOL





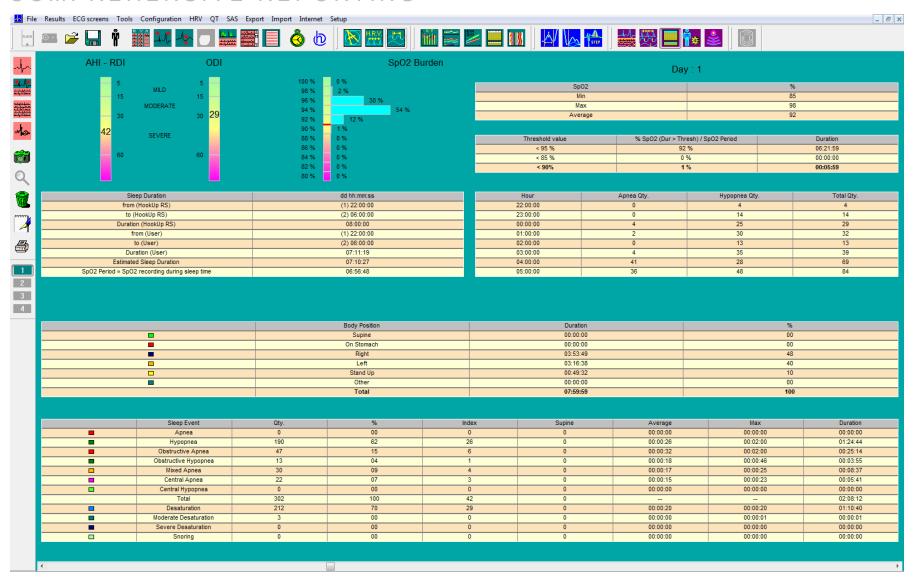
ALL TRENDS AT A GLANCE





SPIDER SAS

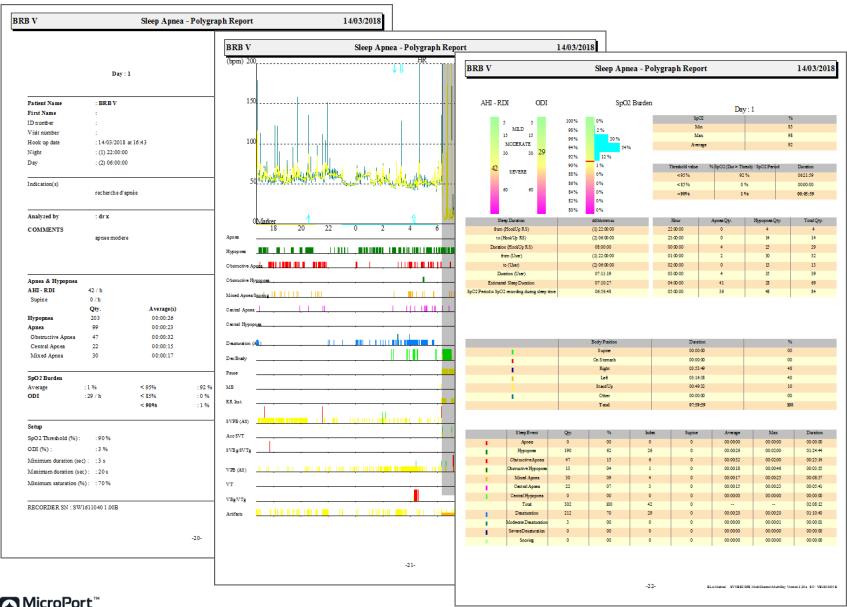
COMPREHENSIVE REPORTING





SPIDER SAS

COMPREHENSIVE REPORTING



DUAL ANALYSIS BENEFITS

- ECG and respiratory signals combined and synchronized
- Fully customizable analysis interface
- Easily identify the underlying trigger: Apnea or Arrhythmia
- Identify oxygen desaturation during arrhythmia
- Gain insight into tolerance of apnea in parallel with cardiovascular events
- Help manage sleep apnea
- Provide the most tailored treatment path for patients

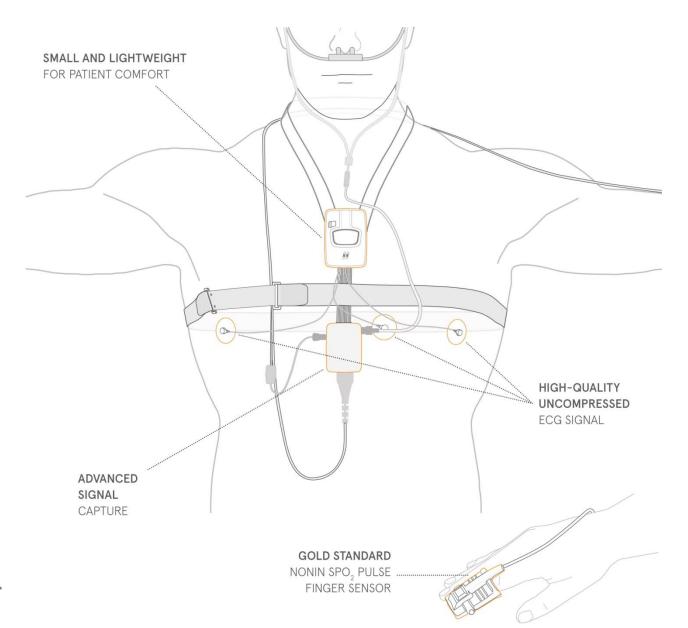
FULLY CUSTOMIZABLE REPORTS

- Automatic reports combined with a full suite of editing tools
- Two polygraph reports, one report per night
- 24 hr Holter Report



ONE CONVENIENT SOLUTION

STATE-OF-THE-ART TECHNOLOGY AT YOUR FINGERTIPS





ONE CONVENIENT SOLUTION

STATE-OF-THE-ART TECHNOLOGY AT YOUR FINGERTIPS

INTUITIVE HOOK UP

- Wireless bluetooth set up
- Step by step wizard for quick and easy hook-up
- Real-time signal for accurate positioning of sensors

COMPREHENSIVE REPORTING

- Simultaneous visualization of respiratory and arrhythmia events
- Automatic reports and full suite of editing tools
- AHI and SpO₂ analysis per night
- ECG Holter analysis Identification of 18 different types of arrhythmia







Spider SAS is not available for sale or distribution in the USA.

Refer to user manual furnished with the device for complete instructions for use.

Manufactured for MicroPort CRM Italia S.r.I.,

Via Crescentino S.N., 13040 Saluggia (VC), Italy