

VISTA₂



The Innovation in Holter ECG


NOVACOR



Sleep-Disordered Breathing Diagnosis for the Cardiologist



Actual size

SIMPLE:

- 1 VistaO2 Recorder
- 1 ECG Cable
- 5 disposable Electrodes
- 1 Sleep time Wristwatch Oximeter

ERGONOMIC:

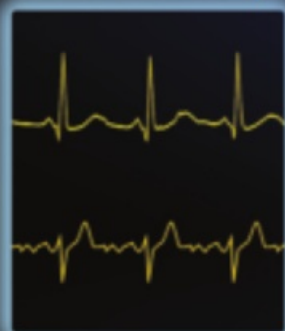
No Additional Cable versus Holter ECG
(Bluetooth based Technology for Oximetry)

COST EFFECTIVE: Single Holter ECG Procedure

The 1ST HOLTER MONITOR combining ECG, OXIMETRY and RESPIRATORY Signals



24 hour
continuous
ECG Holter



Respiration signal
from standard
ECG cable



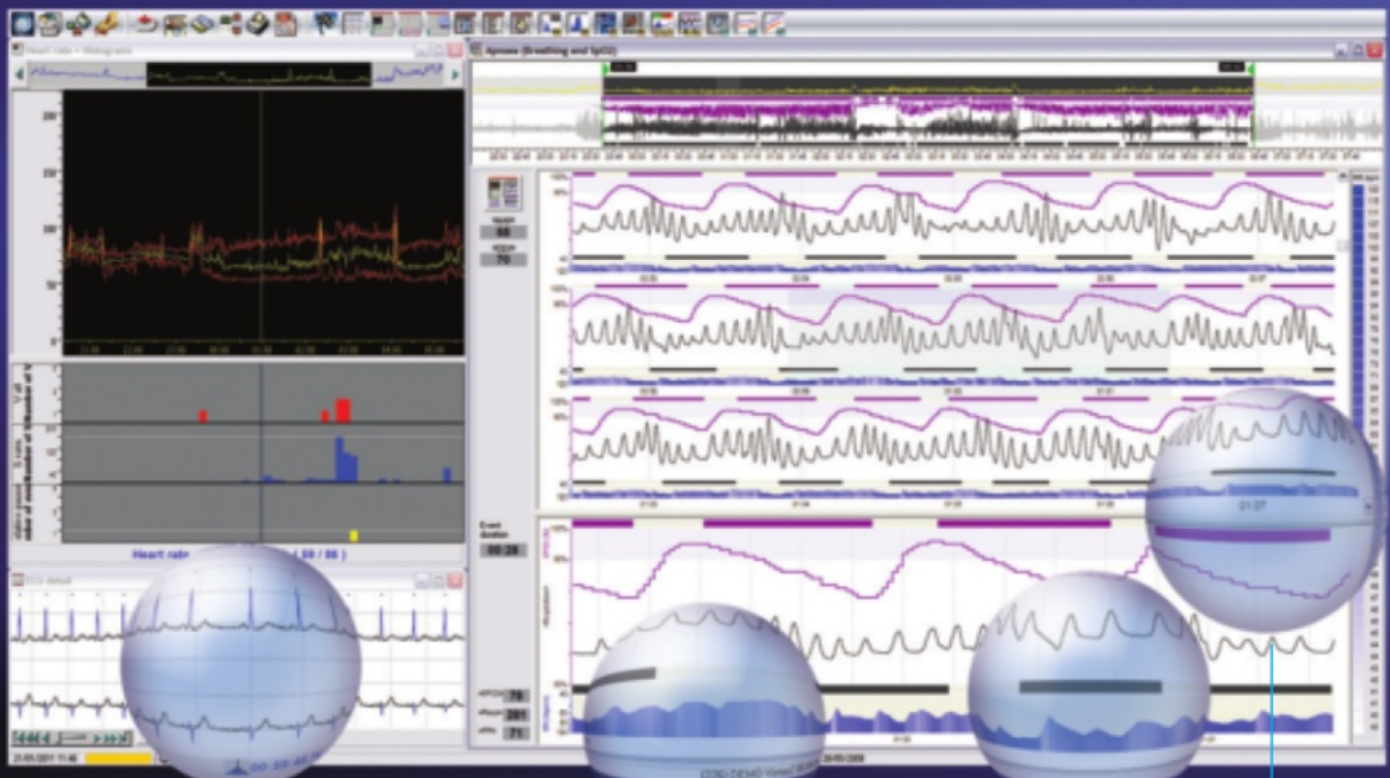
Bluetooth® communication
between oximeter
and VistaO2



improves the **MANAGEMENT OF PATIENTS**
with Sleep-Disordered Breathing

HOLTERSOFT ULTIMA

An **EASY** & **COMPLETE** Clinical Tool
for Visualising and Analysing Cardio-Respiratory Activities



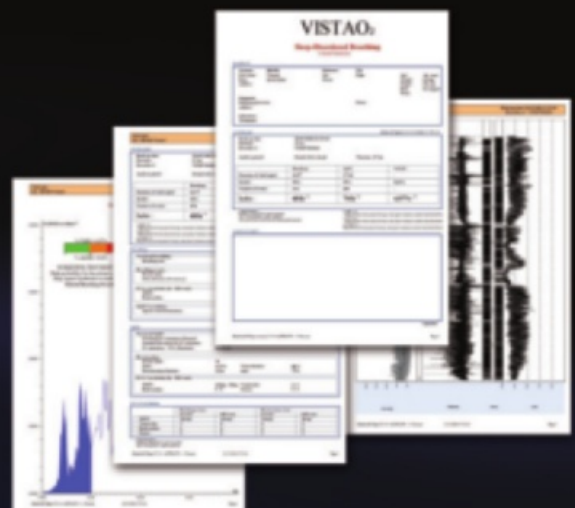
Simultaneously ECG and
Arrhythmias with Respiratory
and Oximetry signals

Continuous
Cardiac Rhythm

Respiratory
Event

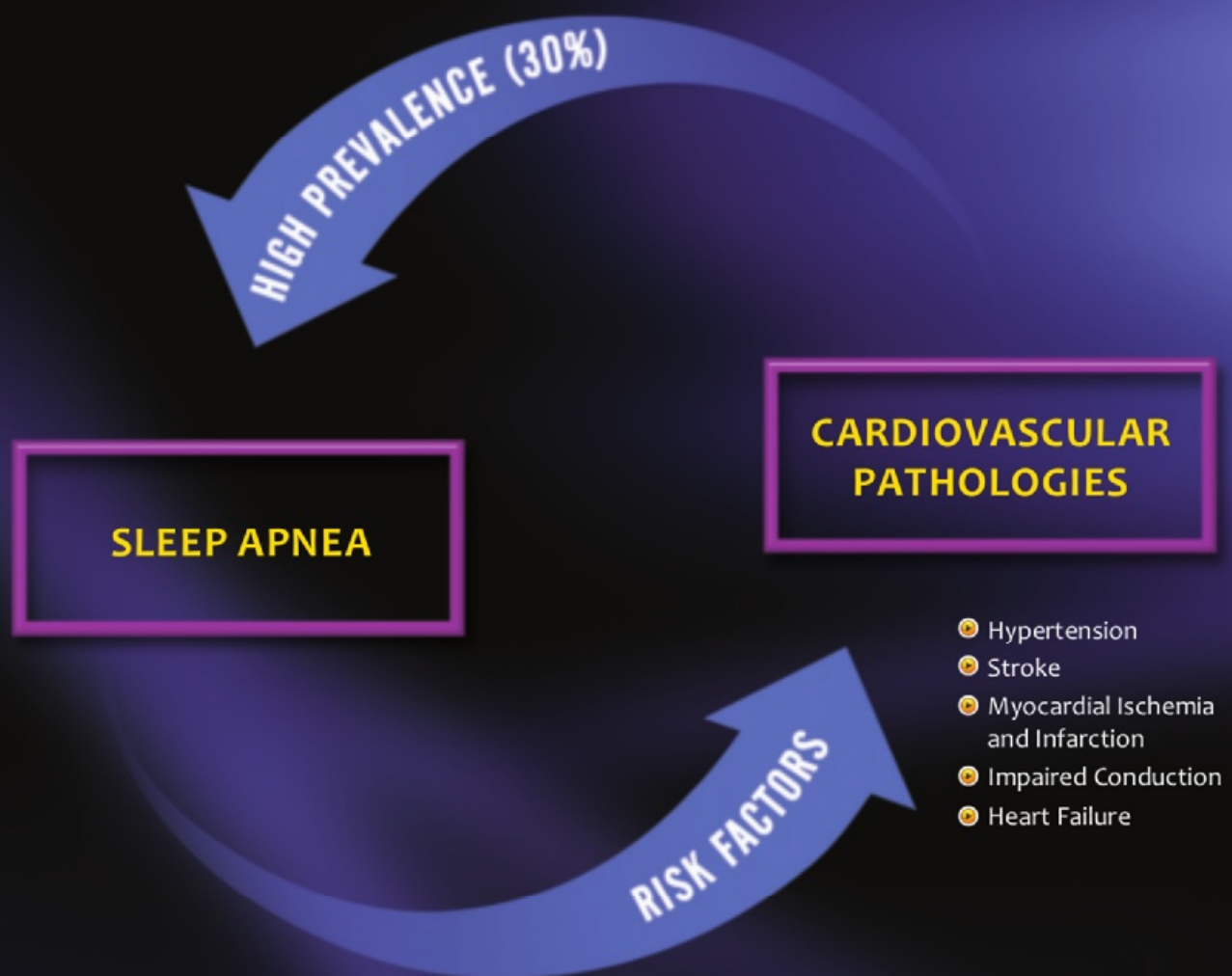
Oximetry
Event

- Efficient **AUTOMATIC** analysis of Hypoxic and Respiratory Events
- **VISUALISATION** of Cardiac Arrhythmias and Sleep Apnea **RELATIONSHIP**
- **CLEAR & COMPREHENSIVE** Report with Validated Indexes



NOVACOR introduces **vista₂**

an **INNOVATIVE HOLTER SYSTEM** for
Identifying Sleep-Disordered Breathing and
its Relationship with Cardiac Activity



*Poupard L, Mathieu M, Sartène R, Goldman M. Use of thoracic impedance sensors to screen for sleep-disordered breathing in patients with cardiovascular disease. *Physiol Meas.* 2008 Feb;29(2):255-67*

*Poupard L, Mathieu M, Goldman M, Chouchou F, Roche F. Multi-modal ECG Holter system for sleep-disordered breathing screening : A validation study. *Sleep Breath.* 2011 Jul 26. [ahead of print]*

VistaO₂

ECG	Type of recorder	Holter ECG
	Data storage	128/256/512 MB
	Duration of monitoring for ECG + Impedance + SpO ₂	2 days max (2 or 3 channels) with lithium batteries 1 day max (2 or 3 channels) with alkaline batteries
	Duration of monitoring ECG only (CF 512 MB)	10 days max (2 channels) 8 days max (3 channels)
	Number of channels	2 or 3
	Vertical resolution	10 bits
	Sampling and storing rates (no compression)	200Hz
	Data capture range	12 mV (± 6 mV)
IMPEDANCE	ECG accuracy in time	± 2.5 ms
	ECG accuracy in voltage	± 6 μ V
	Derivation used	Green – Black electrodes
	Data capture range	2 to 30 resp/min
	Data range	100 Ω to 1000 Ω
	Input impedance	0.15 Ω to 7 Ω
	Sensitivity	at 1 Ω , accuracy of 0.015 Ω
BT	Max current measured	1 mA at 53 kHz
	Sampling	10Hz
CHARACTERISTICS	Bluetooth®	Version 2.0 freq. from 2.402 to 2.480 GHz
	SpO ₂ sampling	1Hz
	Power supply	Two 1.5 V AAA (alkaline or lithium or NIMH)
	Length (front)	85 mm
	Overall length	90 mm
	Width	54 mm
	Depth	19 mm
	LCD display	160 x 104 pixels
	Weight (batteries included)	108 g
	Storage / Operating temperature	-20°C +45°C / +10°C +45°C
	Storage / Operating humidity	10% → 95% (no condensing)
	Storage / Operating pressure	500hPA → 1060hPA / 700hPA → 1060hPA

NONIN WristOx2™ 3150

Bluetooth®	Version 2.0 - freq. from 2.4 to 2.4835 GHz
Oxygen saturation range	0 – 100%
SpO ₂ accuracy	70 – 100% ± 2
Sampling frequency	1Hz
Power supply	Two 1.5 volt AAA alkaline batteries

Distributed by


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