

NorthEast Monitoring, Inc.

advancing Holter technology™

LX® Sleep Software

OxyHolter plus LX® Sleep exceeds accuracy of ECG-only analysis

100% sensitivity and specificity for OSA in preliminary studies

Less than 1/3rd the cost of a full PSG study

Epoch-driven analysis, pattern recognition and classifiers provide AHI (Apnea Hypopnea Index)

Improve per bed revenue in sleep labs

The first step to relieve symptoms of OSA

Integrated, add-on software to Holter LX® Analysis

Industry-leading 3-year warranty

Where would you rather sleep?



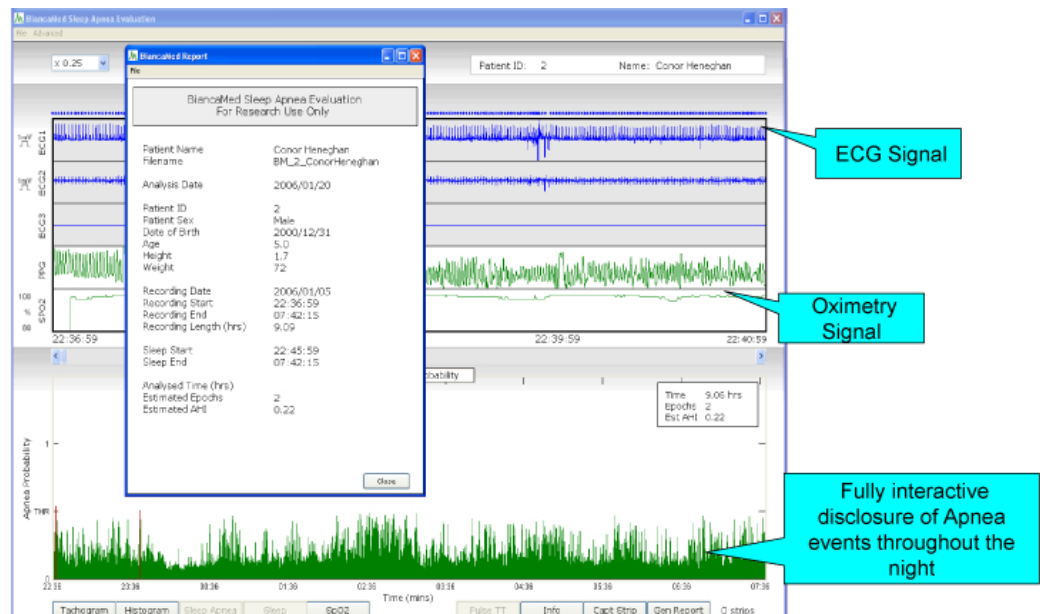
Let LX® Sleep be the answer to your dreams with in-home, overnight, unattended, multi-parameter, sleep study for detection of OSA (Obstructive Sleep Apnea)

This convenient HST (Home Sleep Test) device provides a conforming methodology for multi-parameter, overnight, unattended sleep study that is described in CMA's NCD (National Coverage Decision) CAG-00093R2. LX® Sleep software applies proprietary algorithms to data collected by NorthEast's OxyHolter to provide a simple alternative to the PSG sleep lab experience to accurately identify OSA (Obstructive Sleep Apnea).

LX® Sleep defines epochs of normal versus SDB (Sleep Disordered Breathing). Then it performs pattern recognition on ECG and SpO2 signals; and applies a linear discriminant analysis and an age-based classifier to derive an AHI (Apnea Hypopnea Index). An AHI < 5 represents no clinically significant apnea; 5 ≤ AHI < 15 represents mild apnea; AHI ≥ 15 represents moderate-to-severe apnea.

Current users of Holter LX® Analysis and/or the tried-and-true DR180+ can easily add the LX® Sleep software option and an OxyHolter cable, thereby creating the most accurate, easy-to-use OSA detection system on the market today.

Sleep Apnea Screen for Ambulatory Holter/Oximetry



LX[®] Sleep Software

- ◆ **OxyHolter plus LX[®] Sleep exceeds accuracy of ECG-only analysis**
Earlier systems from other vendors only utilized the ECG signal to assess OSA. Combined analysis of ECG and SpO₂ yields better correlation with simultaneously collected, full PSG study data. HST method yields more accurate results with a reduced "white coat effect" by sleeping at home rather than in an unfamiliar, lab environment.
- ◆ **100% sensitivity and specificity for OSA in preliminary studies**
In preliminary studies that compared the diagnostic accuracy for OSA using simultaneously collected data in full PSG studies to data collected via OxyHolter and analyzed with LX[®] Sleep showed 100% specificity / sensitivity.
- ◆ **Less than 1/3rd the cost of a full PSG study**
Full PSG (sleep lab) studies require enormous facility, staff and equipment resources. Compare that with the simplicity of an at-home study with a single unit recorder for ECG, SpO₂ and derived respiratory signals. For detecting OSA, which accounts for the overwhelming percentage of sleep studies, LX Sleep is the economical alternative.
- ◆ **Epoch-driven analysis, pattern recognition and classifiers provide AHI (Apnea Hypopnea Index)**
Data intervals called epochs are defined. Direct measurements on the ECG signals are made and EDR (ECG-Derived Respiratory) signals are developed. Pattern recognition and a set of age-dependent classifiers are used to develop the AHI.
- ◆ **Improve per bed revenue in sleep labs**
Sleep labs can be filled with higher reimbursement, CPAP titration procedures rather than preliminary OSA detection procedures.
- ◆ **The first step to relieve symptoms of OSA**
Detection is the first step. After that, your medical professional can recommend any of a variety of remedies – from passive sleep aids, to CPAP arrangements, and perhaps corrective surgery.
- ◆ **Integrated add-on software to Holter LX[®] Analysis**
Add LX[®] Sleep to Holter LX[®] Analysis for the best in graphical display and report generation of ECG, SpO₂, AHI and a number of other parameters.
- ◆ **Industry-leading 3-year warranty**
Includes Hotline support and software updates during the Warranty period. eMSA (extended Maintenance and Service Agreement) available.

Distributed by:

Heart Smart Inc

Tel: 631 676-3749 ext 1

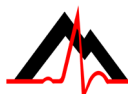
Fax: 631676-3778

email: info@heartsmartinc.com

Pending FDA market approval in the U.S.A.

NB: In the U.S.A., Federal Law restricts devices to sale by or on the order of a physician. For in vitro diagnostic use. Not intended to replace real-time telemetry monitoring for patients suspected of having life-threatening arrhythmias.

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Benefits

- ◆ Single unit for both SpO₂ and ECG
- ◆ AHI gives accurate probability of OSA
- ◆ Improve outcome for Pillar (palatal implant) surgery
- ◆ Improve revenue per bed with higher percentage of CPAP titration procedures
- ◆ Achieve higher patient compliance by using HST (Home Sleep Test) procedure
- ◆ Lower cost than PSG lab
- ◆ Appropriate for most OSA patients

Key Features

- ◆ Unique algorithm combines ECG and SpO₂ for accurate AHI calculation
- ◆ Convenient in-home, multi-parameter sleep study
- ◆ Fewer wires/probes means easy to connect
- ◆ Non-volatile data storage - fewer repeat studies
- ◆ Displays combine graphical SpO₂ and ECG data
- ◆ Exceeds Type IV device requirements

Availability

- ◆ Easy add-on to Holter LX[®] Analysis software
- ◆ Works with OxyHolter (DR180+ with integrated oximetry cable)
- ◆ Free updates with 3-year Warranty and/or 2-year eMSA