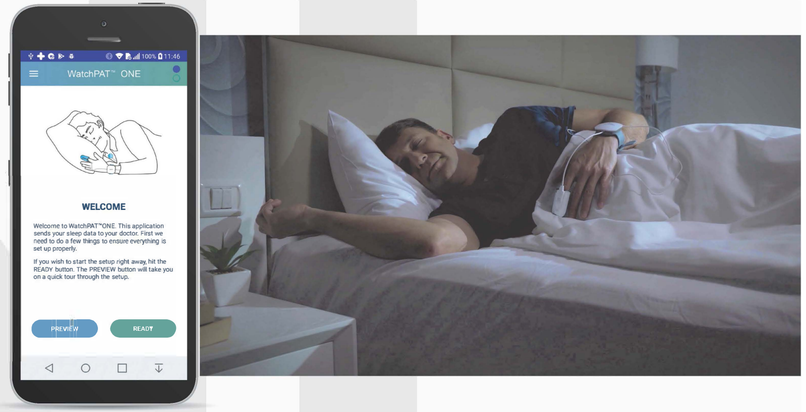
## A simple smartphone app transmits the study data to the cloud. As soon as the study is completed, the clinician can review the automated study results.

The raw data is downloaded and auto-scored differentiating obstructive and central events, providing AHI, RDI and ODI based upon True Sleep Time and Sleep Staging. Both the AHI and RDI derived from the PAT were clinically validated with an 89% correlation to PSG.[2] The PAT signal is an approved measure in the 2017 AASM HSAT Clinical Practice Guidelines for Adults with OSA.[3]




REF MM0198729

itamar medical

Itamar Medical is a leading medical device company that develops and markets products utilizing its proprietary PAT technology to diagnose and manage Sleep Disordered Breathing. The company has pioneered innovative solutions to help physicians provide comprehensive sleep apnea management in a variety of clinical environments to optimize patient care and reduce healthcare costs.

Itamar Medical has offices and distribution channels around the world.

www.itamar-medical.com
www.cardiosleepsolutions.com
infousa@itamar-medical.com

1- Dataon file
2- Yalamanchali S, Farajian V, Hamilton C, Pott TR, Samuelson CG, Friedman M. Diagnosis of obstructive sleep apnea by peripheral arterial tonometry: meta-analysis. . JAMA Otolaryngol. Head Neck Surg. December 2013;139(12):1343-1350
3- Clinical Practice Guideline for Diagnostic Testing for Adult Obstructive Sleep Apnea: An American Academy of Sleep Medicine Clinical Practice Guideline
4- Hedner J, et al. A Novel Adaptive Wrist Actigraphy Algorithm for Sleep-Wake Assessment in Sleep Apnea Patients. SLEEP, Vol. 27, No. 8, 2004 :1560-1566
5- Hedner J, et al. Sleep Staging Based on Automimcal Signals: A Multi-Center Validation Study. JCSM. Journal of Sleep Medicine, Vol. 7, No. 3, 2011: 301 – 306
6- Comparison of AHI using recording time versus sleep time Schutte – Rodin et al., J Sleep Abs supl 2014, p. A373

# WatchPAT™ONE

**Fully Disposable. Fully Reliable.**

itamar medical

## Fully Disposable. Fully Reliable.

- Same WatchPAT Simplicity, Accuracy and Reliability
- NO Return Shipment, NO Cleaning, Downloading or Charging, NO Infection Risk
- Immediate access to sleep data for interpretation
- Data interpretation anytime, anywhere with Cloud based solution

**WatchPAT™ONE** is designed for practices with:

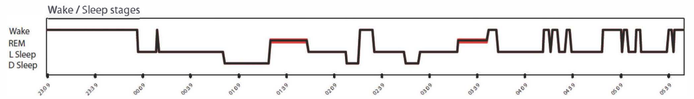
- Limited access to capital
- Limited back office support
- Patients with access limitations to clinic
- Desire to grow HSAT program or facing significant backlog

**WatchPAT ONE** measures 7 channels (PAT signal, heart rate, oximetry, actigraphy, body position, snoring and chest motion) via three points of contact. It's 3 points of contact delivers 98% study success rate without compromising diagnostic capability.[1]

## Improved Accuracy with Sleep Architecture and True Sleep Time

### Sleep Architecture

WatchPAT's clinically validated Sleep Architecture provides information on sleep staging, sleep efficiency and sleep and REM latency.[4-5] It uses the PAT amplitude and pulse rate to differentiate between non-REM and REM thereby creating a Sleep Architecture (Light, Deep, REM) WatchPAT also provides the added value of detecting REM related sleep apnea with REM and non-REM AHI.




### True Sleep Time

The WatchPAT uses its advanced actigraphy to differentiate between wake and sleep periods to calculate True Sleep Time. It calculates AHI and RDI using the patient's True Sleep Time rather than the recorded time used in most commercially available HSAT's. WatchPAT's True Sleep Time reduces the risk of misdiagnosis and misclassification that has been reported to be 20% with HSAT's using total recording time.[6]

| Sleep Summary | |
|---|---|
| Start Study Time: | 9:43:01 PM |
| End Study Time: | 6:04:59 AM |
| Total Study Time: | 8 hrs, 21 min |
| Sleep Time | 6 hrs, 7 min |
| % REM of Sleep Time: | 21.4 |

## WatchPAT Automated Report and Clinical Parameters

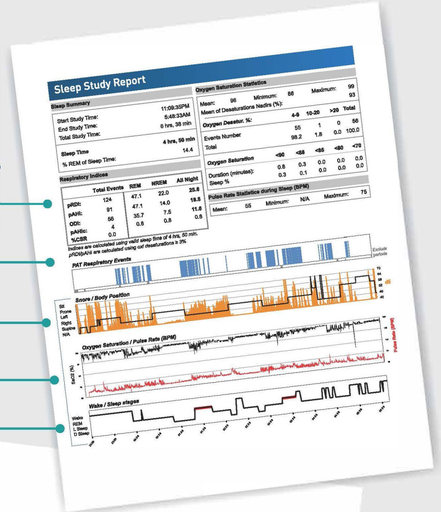
Respiratory Indices AHI, RDI, ODI

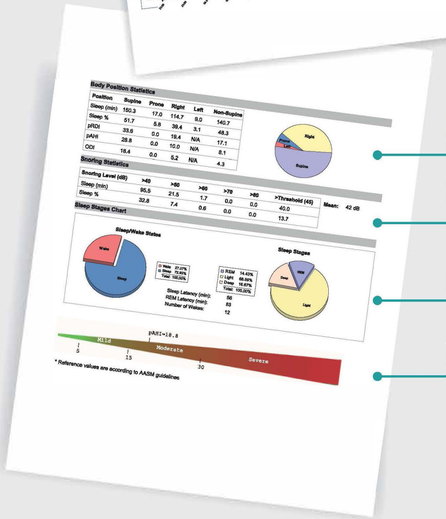
Central AHI

Snoring and Body Position

Oxygen Saturation & Heart Rate

Sleep Stages




Body Position Statistics

Snoring Statistics

Sleep Stages

AHI Severity Scale