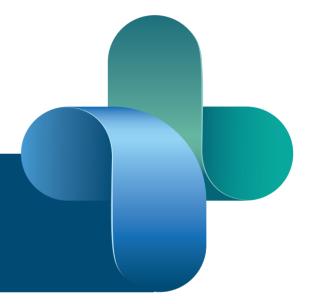


WatchPAT[™]



Home Sleep Testing Made Simple





Complete Sleep Architecture

The WatchPAT advanced zzzPAT software provides a clinically validated algorithm that measures all sleep stages: light, deep, and REM sleep³⁻⁶.

The Complete Sleep Architecture provides information on sleep quality including sleep efficiency, sleep latency and REM latency. It also provides added value of detecting REM related sleep apnea with REM and non-REM AHI. REM sleep is associated with considerable attenuation of the PAT signal coupled with specific variations in the PAT amplitude and pulse rate. Based on this specific variability in the PAT and pulse rate signals, REM sleep stage differs from non-REM sleep stages.

Sleep stages on WatchPAT report vs. PSG-EEG channel

Light sleep

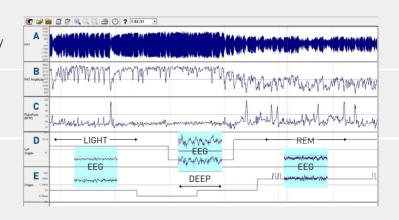
High PAT amplitude variability, high pulse rate variability

Deep sleep

Low PAT amplitude variability, low pulse rate variability

REM sleep

Very high PAT amplitude variability, very high pulse rate variability, attenuated PAT amplitude



◆ True Sleep Time[™]

While most HST devices calculate AHI based on total recording time, which has shown to lead to a misdiagnosis and misclassification in up to $20\%^7$ of patients tested, WatchPAT calculates AHI based on the patient's True Sleep Time (TST). Undiluted respiratory events enable the WatchPAT to perform a more sensitive and accurate diagnosis.

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

True Sleep Time improves the accuracy of the respiratory indices, test sensitivity and specificity.

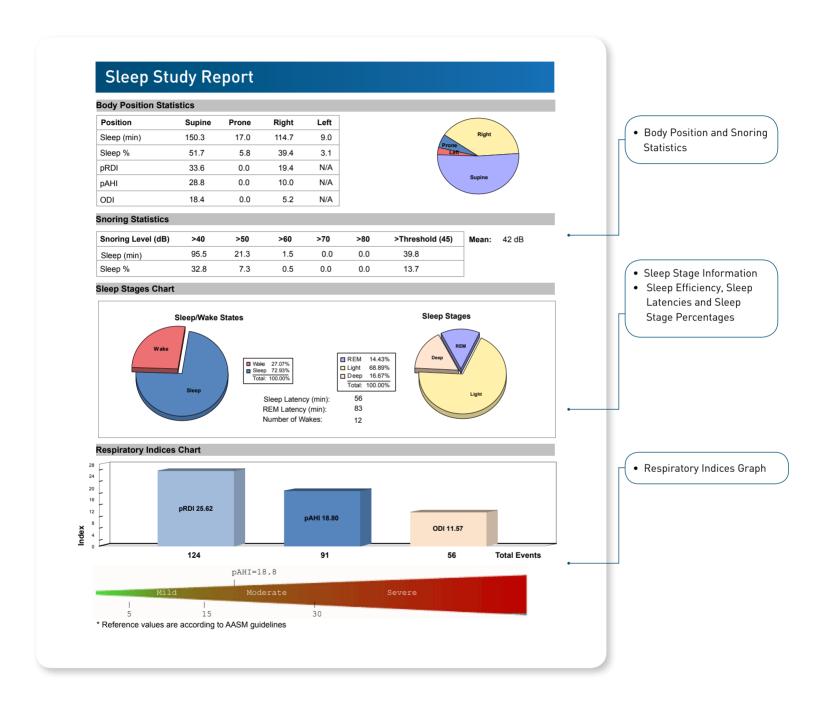
Understanding The Sleep Study

Sleep Study Report Sleep Summary Oxygen Saturation Statistics Sleep Summary · Recording start and end time Start Study Time: 11:09:35PM Mean of Desaturations Nadirs (%): End Study Time: 5:48:33AM 93 • Total recording time and total Total Study Time: 6 hrs. 38 min sleep time Oxygen Desatur. %: 10-20 >20 Total Sleep Time 4 hrs. 50 min **Events Number** 55 56 **Respiratory Indices** % REM of Sleep Time: 14.4 98.2 1.8 0.0 100.0 • pRDI - PAT respiratory Respiratory Indices Oxygen Saturation <90 <88 <85 <80 <70 disturbance index • pAHI - PAT apnea and 0.8 0.3 0.0 REM NREM All Night Duration (minutes): 0.0 0.0 hypopnea index Sleep % 0.1 0.0 0.0 0.0 47 1 22 N pRDI: 25.6 • ODI - oxygen Pulse Rate Statistics during Sleep (BPM) pAHI: 47.1 18.8 14 0 desaturation index 35.7 7.5 11.6 Mean: Minimum: Maximum: 75 Indices are calculated using valid sleep time of 4 hrs, 50 min. Oxygen and Pulse Information pRDI/pAHI are calculated using oxi desaturations ≥ 3% • Oxygen saturation statistics PAT Respiratory Events • Oxygen desaturation % Oxygen desaturation Exclude • Pulse rate statistics Snore / Body Position Prone Left Hypnogram • All respiratory events • Snore / Body position Oxygen Saturation / Pulse Rate (BPM) • Oxygen / Pulse rate Sleep stages SaO2 (%) Wake / Sleep stages Wake REM L Sleep D Sleep



We've had a very positive experience using the WatchPAT. It has been well tolerated, even by those with a history of insomnia. By estimating True Sleep Time, it allows a more accurate basis for determining AHI compared to home testing devices that only provide recording time.

Understanding The Sleep Test





The WatchPAT has proven to be a useful tool in our home sleep testing program. Patient set-up and teaching is straightforward and data failure rates are low. More recently, we have utilized these devices in our telemedicine program, allowing many Veterans far from our medical center to be diagnosed for sleep apnea.

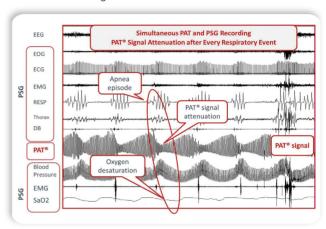
PAT Signal Explained

The proprietary PAT signal is a non-invasive measure of the arterial pulsatile volume changes at the fingertip. PAT signal is a surrogate of changes in the sympathetic nervous system that are associated with Sleep Disordered Breathing (SDB) events and specific "signatures" of sleep stages. In addition, the WatchPAT has an embedded advanced actigraphy that when coupled with PAT signal enables the separation between sleep and wake periods and thus provides accurate True Sleep Time.

PAT signal attenuation, and accelerated pulse rate, directly reflect immediate digital arteries vasoconstriction

and increased heart rate both of which are direct indicators of arousals and micro-arousals that are part of the SDB underlying mechanism and present in each such event.

When further enhanced with oxygen blood desaturations and resaturations measured with the embedded pulse oximeter sensor, the proprietary algorithm accurately calculates the SDB clinical parameters such as AHI, RDI and ODI that utilize True Sleep time and Complete Sleep Architecture (Deep, Light and REM), providing the physician with a full comprehensive assessment of the patient. ^{1,6}



◆ The zzzPAT® Software

The zzzPAT is a proprietary user friendly software used for the analysis of the WatchPAT data. The software's advanced algorithm is automatic, eliminating the need for scoring of respiratory events. If needed, the software also enables manual scoring for compliance with AASM standards.

The complete report of the study is generated within minutes after downloading the study data allowing patients to initiate treatment without delay.

CloudPAT® Platform

CloudPAT is a HIPAA-compliant cloud based IT solution enabling interpretation services by a Board-Certified physician licensed in your state with a guaranteed turnaround of a signed diagnostic sleep study within two business days. This optional platform makes sleep diagnostics easier and more convenient and offers physicians the ability to access patients data anywhere, anytime, from any terminal.



Upload sleep data from sleep study on secure CloudPAT site



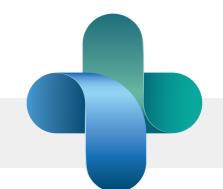
Study interpretated by board certified sleep physician



Signed sleep study is returned within 2 business days



Home Sleep Testing Made Simple



WatchPAT is an innovative FDA-cleared wrist mounted device for diagnosis of Sleep Breathing Disorders (SBD), specifically Obstructive Sleep Apnea (OSA). It is a small wrist mounted device which allows testing in the comfort of the patient's own home.

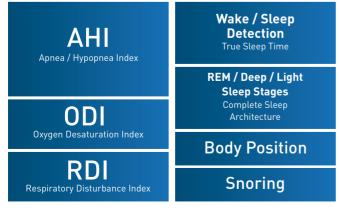
WatchPAT has been clinically validated against the "Gold Standard", polysomnography (PSG), with a documented correlation of up to 89% to PSG.¹

- Simple and comfortable for outstanding patient compliance
- Clinically reliable with less than 1% failure rate²
- "True Sleep TimeTM" for the most accurate AHI
- Complete sleep architecture for a comprehensive diagnosis
- Scalable cost effective solution for high volume workflow
- Automatically generated report for fast diagnosis and treatment turnaround
- zzzPATTM software with an advanced automatic algorithm for scoring of respiratory events
- CloudPAT™ cloud based IT solution for convenient sleep diagnosis and secure patient data transfers

Simple, Accurate and Reliable

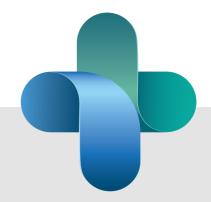
WatchPAT is worn like a watch on the patient's wrist with a single biosensor mounted on the finger. Patients wear WatchPAT at night in the privacy of their own bedroom, ensuring optimal representation of the sleep environment.

WatchPAT's Clinical Parameters:









Itamar Medical is a leading medical device company that develops, manufactures and markets diagnostic products based on its proprietary PAT® technology which provides an innovative solution to diagnosing Sleep Breathing Disorders. The company has pioneered an approach offering solutions to practices for complete sleep apnea management and optimal patient care. Itamar's solutions include the products, education and services.

Itamar Medical has offices and distribution channels around the world.

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¹Yalamanchali 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

² Data on filo

³ 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

⁴ Hersocivi S. et al. Detecting REM sleep from the finger: an automatic REM sleep algorithm based on peripheral arterial tone (PAT) and Actigraphy. Physiol Meas. 2007 Feb;28(2):129-40. Epub 2006 Dec 12.

⁵Bresler M. et al. Differentiating between light and deep sleep stages using an ambulatory device based on peripheral arterial tonometry. Physiol Meas. 2008 May;29(5):571-84.Epub 2008 May 7

⁶ 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

⁷ Comparison of AHI using recording time versus sleep time Schutte – Rodin et al., J Sleep Abs supl 2014, p. A373