

# ONE



# WatchPAT<sup>TM</sup> ONE

First and Only Disposable HSAT



itamar  
medical

# First and Only Disposable HSAT

- 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

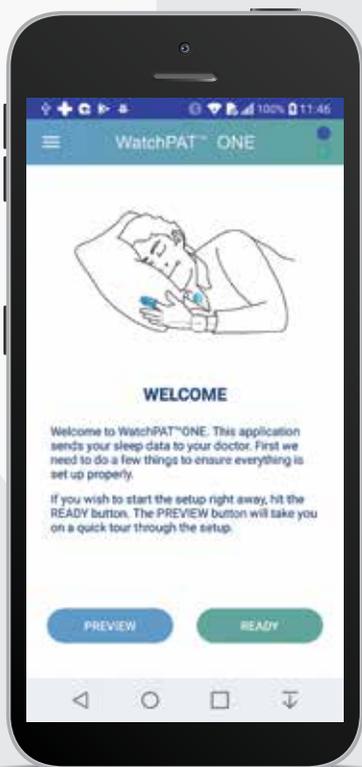
**WatchPAT™ ONE** is designed for practices with:

- 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.<sup>1</sup>

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.<sup>2</sup> The PAT signal is an approved measure in the 2017 AASM HSAT Clinical Practice Guidelines for Adults with OSA.<sup>3</sup>





# WatchPAT Automated Report and Clinical Parameters

Respiratory Indices  
AHI, RDI, ODI

Central AHI

Snoring and  
Body Position

Oxygen Saturation  
& Heart Rate

Sleep Stages

## Sleep Study Report

### Sleep Summary

|                      |               |
|----------------------|---------------|
| Start Study Time:    | 11:09:35PM    |
| End Study Time:      | 5:48:33AM     |
| Total Study Time:    | 6 hrs, 38 min |
| Sleep Time           | 4 hrs, 50 min |
| % REM of Sleep Time: | 14.4          |

### Oxygen Saturation Statistics

|                                   |    |          |    |          |    |
|-----------------------------------|----|----------|----|----------|----|
| Mean:                             | 96 | Minimum: | 86 | Maximum: | 99 |
| Mean of Desaturations Nadirs (%): |    |          |    |          |    |

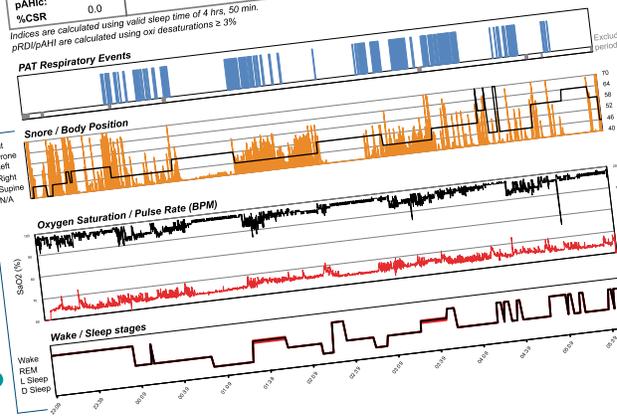
| Oxygen Desatur. %: | 4-9  | 10-20 | >20 | Total |
|--------------------|------|-------|-----|-------|
| Events Number      | 55   | 1     | 0   | 56    |
| Total              | 98.2 | 1.8   | 0.0 | 100.0 |

### Respiratory Indices

|        | Total Events | REM  | NREM | All Night |
|--------|--------------|------|------|-----------|
| pRDI:  | 124          | 47.1 | 22.0 | 25.6      |
| pAHI:  | 91           | 47.1 | 14.0 | 18.8      |
| ODI:   | 56           | 35.7 | 7.5  | 11.6      |
| pAHIc: | 4            | 0.8  | 0.8  | 0.8       |
| %CSR:  | 0.0          |      |      |           |

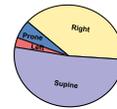
| Oxygen Saturation   | <90 | <85 | <80 | <70 |
|---------------------|-----|-----|-----|-----|
| Duration (minutes): | 0.8 | 0.3 | 0.0 | 0.0 |
| Sleep %             | 0.3 | 0.1 | 0.0 | 0.0 |

| Pulse Rate Statistics during Sleep (BPM) | Mean | Minimum | Maximum |
|--|------|---------|---------|
|  | 55   | N/A     | 75      |



### Body Position Statistics

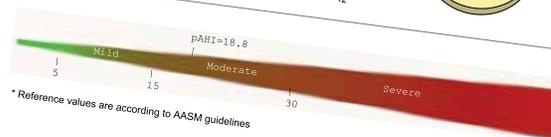
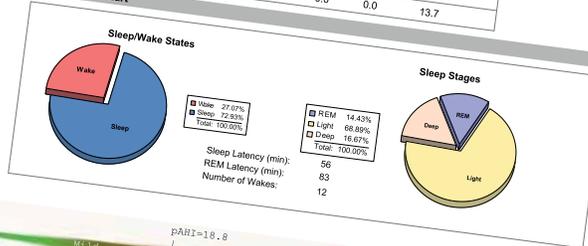
| Position    | Supine | Prone | Right | Left | Non-Supine |
|-------------|--------|-------|-------|------|------------|
| Sleep (min) | 150.3  | 17.0  | 114.7 | 9.0  | 140.7      |
| Sleep %     | 51.7   | 5.8   | 39.4  | 3.1  | 48.3       |
| pRDI        | 33.6   | 0.0   | 19.4  | N/A  | 17.1       |
| pAHI        | 28.8   | 0.0   | 10.0  | N/A  | 8.1        |
| ODI         | 18.4   | 0.0   | 5.2   | N/A  | 4.3        |



### Snoring Statistics

| Snoring Level (dB) | >40  | >50  | >60 | >70 | >80 | >Threshold (45) | Mean  |
|--------------------|------|------|-----|-----|-----|-----------------|-------|
| Sleep (min)        | 95.5 | 21.5 | 1.7 | 0.0 | 0.0 | 40.0            | 42 dB |
| Sleep %            | 32.8 | 7.4  | 0.6 | 0.0 | 0.0 | 13.7            |       |

### Sleep Stages Chart



Body Position  
Statistics

Snoring  
Statistics

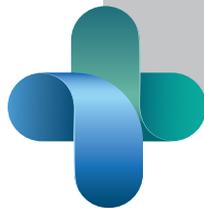
Sleep Stages

AHI Severity  
Scale



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.



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- 1- Data on 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
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- 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 suppl 2014, p. A373