

“PAT Device”

A "PAT device" designed for diagnosing OSA refers to a "Peripheral Arterial Tonometry" device, frequently identified as the WatchPAT, which is a wrist-mounted device that employs peripheral arterial signals, heart rate, oxygen saturation levels, and movement tracking to identify Obstructive Sleep Apnea (OSA) in a home setting, offering a non-invasive alternative to a comprehensive polysomnography sleep study.

Function:

The WatchPAT can evaluate airway obstruction during sleep, a crucial sign of OSA, by monitoring variations in blood volume in the peripheral arteries.

Benefits:

Regarded as a convenient and accessible choice for at-home sleep apnea testing when compared to standard polysomnography, thanks to its portability and simple operation.

Accuracy:

Research indicates that WatchPAT demonstrates a strong correlation with polysomnography for diagnosing obstructive sleep apnea (OSA), although its accuracy might be limited in specific patient groups.