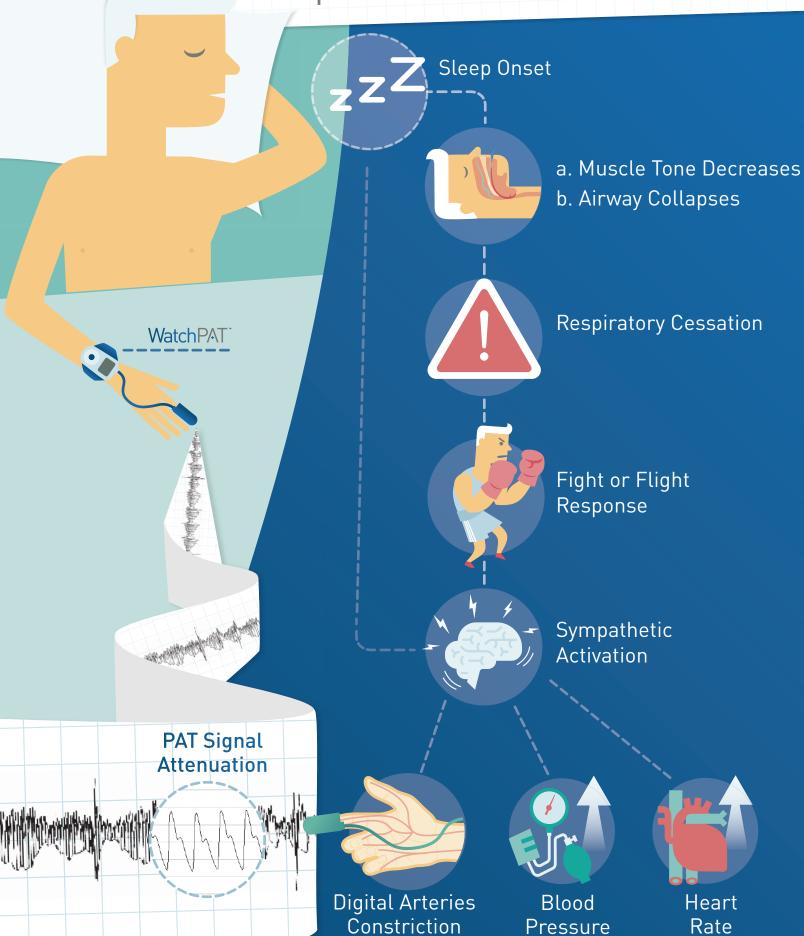
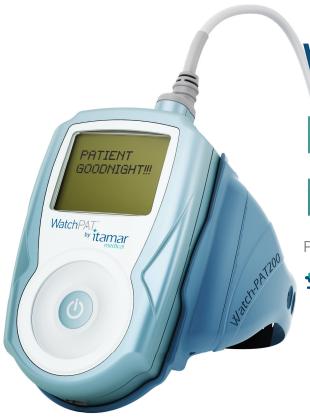
The PAT® Signal

itamar medical

Peripheral Arterial Tone





WatchPAT Home Sleep Testing Made Simple

Powered by the PAT® technology

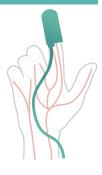
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Innovative Technology

The PAT biosensor applies a uniform pressure field around the fingertip

- Enables optimal signal quality
- Creates a precise measurement environment without any confounding influences (such as venous blood pooling)



The Finger - Unique Physiology

- High vascular density
- Tremendous blood flow changes
- Only alpha adrenergic receptor pathways: a surrogate of sympathetic nervous system activation
- Convenient site for measurement



Sleep Stages with the WatchPAT

- Sleep Stages classification based on unique signatures in the PAT amplitude and heart rate
- Sleep/Wake differentiation uses data from the wrist Actigraph and additional WatchPAT channels

	PAT Amplitude	PAT Amplitude Variability	HR Variability
Light Sleep	High	High	High
Deep Sleep	High	Low	Low
REM	Low	Very High	Very High



Easy, Accurate and Reliable



Clinically Validated



90% Correlation to In-Lab PSG*



Measures Total Sleep Time (TST) and Sleep Architecture