



TipTraQ™

Accurate. Convenient. Comfortable.



The patient experience: simple & fully-remote

With the **TipTraQ Companion App**, patients can easily conduct their sleep test at home with step-by-step guidance and automatic data transmission – no manual uploads or clinic visits required.

Once the test is complete, results are seamlessly sent to the Cloud for clinician review.



The clinician experience: instant & hassle-free

The **TipTraQ Expert Panel** provides instant, cloud-based access to auto-scored test results, with AASM 1A and 1B scoring options for diagnostic accuracy and reimbursement flexibility.

Clinicians can review results, expedite device returns, and ensure retests for incomplete studies, reducing delays and optimizing device turnover.

By minimizing clinic visits and administrative workload, TipTraQ streamlines operations, allowing clinicians to focus on patient care – not logistics.

About PranaQ

PranaQ is advancing sleep apnea diagnostics through innovative wearable medical technology and AI-powered clinical insights.

Our flagship device, **TipTraQ**, delivers medical-grade accuracy in home-based sleep apnea testing, providing healthcare providers with a faster, more scalable, and cost-effective solution.

With **FDA-cleared** biosensor technology and advanced signal processing, PranaQ is transforming sleep care, making diagnostics and monitoring more accessible, efficient, and patient-centric.



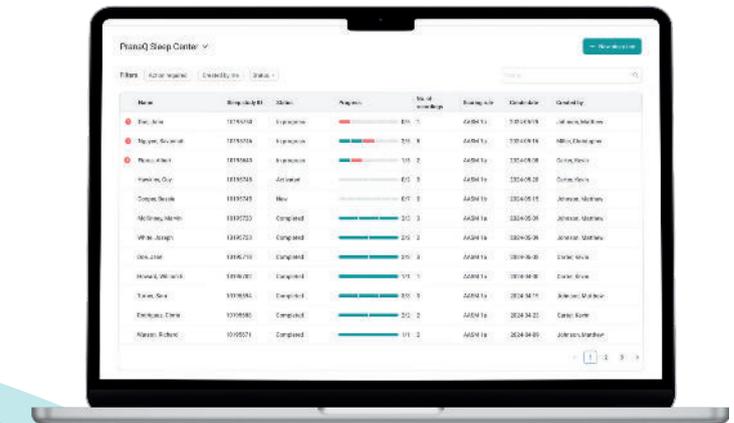
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Website



reddot winner 2023
smart product



1. TipTraQ Home Sleep Test Validation Study, Duke. ClinicalTrials.gov ID: NCT06351878
 2. FDA 510(k) premarket notification: K243268. Product Code: MNR. Date: February 3, 2025
 3. Controlled Desaturation Study for TipTraQ SpO2 Performance Validation (conducted at UCSF). ClinicalTrials.gov ID: NCT06634693

Accurate. Convenient. Comfortable.

- Clinically validated algorithm for accurate sleep apnea detection
- Automated data upload to the Cloud without manual transmission
- Instant access to auto-scored test results anytime, anywhere
- Hassle-free: NO belts, NO nasal cannulas, NO wires, NO adhesives
- Built for multi-night testing with the included charging case
- Designed for multiple patient use with minimal device maintenance



Ideal for sleep practices looking to:

- Expand HSAT service with minimal capital investment
- Reduce in-lab testing backlog without additional headcount
- Treat more patients with limited access to a clinic
- Provide a streamlined, patient-friendly HSAT experience

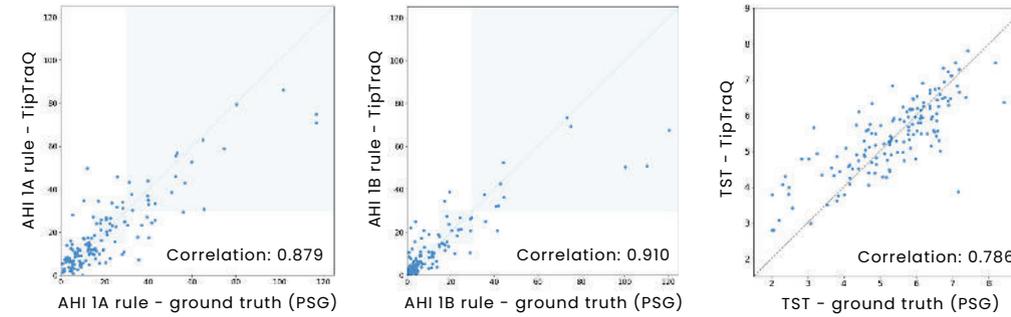
TipTraQ measures 4 channels via one point of contact:

- Photoplethysmography (PPG)
- Heart rate
- Oximetry
- Actigraphy



Clinically validated. FDA-cleared.

Clinically validated at Duke University Hospital, TipTraQ demonstrates robust accuracy in sleep apnea detection, sleep staging, Total Sleep Time, and more.¹



Comprehensive sleep apnea metrics

TipTraQ's AHI detection demonstrates an overall sensitivity of 0.924 (1B rule) while identifying AHI severity cutoffs of 5 (mild), 15 (moderate), and 30 (severe) for both the 1A and 1B rules – all of which are FDA-cleared.²

Sleep architecture analysis

TipTraQ's sleep parameters include Total Sleep Time, Total REM Time, Sleep Stages, Sleep Efficiency, Sleep Latency, and Wake After Sleep Onset – offering a more detailed analysis than traditional HSATs that rely only on total recording time.

Equitable SpO2 performance

TipTraQ demonstrates SpO2 accuracy comparable to or higher than other pulse oximeters while delivering consistent performance across all skin tones.³

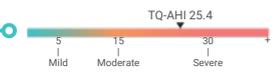
TipTraQ SpO2 Bias		Data : SaO2 = 70-100%			
Skin		Light	Medium	Dark	All
Root Mean Square Error (%)		1.67	1.16	1.22	1.41

TipTraQ's automated report and clinical parameters

Summary - AHI, TST, SE

Recording summary	
Apnea-Hypopnea Index (TQ-AHI)	25.4 event(s)/h
Severity of sleep apnea	Moderate
Sleep Efficiency (SE)	98.0%
Total Sleep Time (TST)	8h 17m

AHI Severity Scale



Sleep Statistics

Recording information		Total Recording Time (TRT)	
Start time	2024-12-29 00:39	Total Recording Time (TRT)	8h 42m
End time	2024-12-29 09:20	Good signal	97.0%

Sleep statistics		Sleep stage	
Sleep Latency	0h 5m	Duration (Min.)	TST (%)
REM latency	1h 16m	Wake	0h 10m
Wake after sleep onset (WASO)	0h 5m	REM	1h 53m
Sleep starts at	00:43	NREM	6h 24m
Sleep ends at	09:20		
Total Sleep Period (SPT)	8h 36m		

SpO2 Statistics (incl. ODI, T90%)

SpO2		Pulse Rate (PR)	
ODI ≥3%	16.4 event(s)/h	Mean PR	59 bpm
ODI ≥4%	11.1 event(s)/h	Min PR	51 bpm
T90	4.0 % (0h 21m)	Max PR	73 bpm
Min SpO2	75 %	PR > 100 bpm	0.0%
Max SpO2	98 %	PR < 40 bpm	0.0%
Mean SpO2	93 %		

Sleep Stages



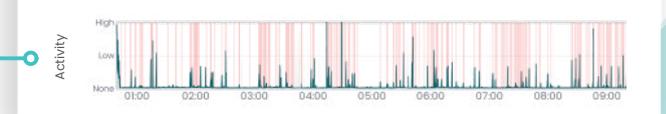
Oxygen Saturation



Pulse Rate



Actigraphy



Additional technical indices:

- Hypoxic Burden
- PPG envelope
- ANS Balance
- Snoring Statistics

Contains respiratory event data equivalent to peripheral arterial tonometry