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SomniScan brings hospital-grade sleep diagnostics home

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SomniScan delivers a complete diagnostic system rather than a simplified screening tool



SomniScan is transforming sleep diagnostics in India by bringing hospital-grade polysomnography (PSG) directly into patients' homes, combining clinical accuracy with the convenience of at-home testing.

Addressing a critical gap in the healthcare system, SomniScan enables full sleep studies without the need for hospital admission, helping patients and clinicians access reliable diagnostics more efficiently. "From sleep labs to living rooms, without compromising on accuracy."

Sleep disorders remain widely underdiagnosed in India, with nearly 80% of sleep apnea cases going undetected. As per a report by AIIMS, an estimated 10.3 million people in India are affected, highlighting the scale of the problem.

Traditional sleep studies are often limited to major hospitals, require overnight stays, and can be costly and inconvenient. This leads to delayed diagnosis and increases the risk of serious health conditions such as hypertension, diabetes, and cardiovascular disease. SomniScan directly addresses these challenges by making comprehensive sleep diagnostics more accessible across geographies, including Tier 2 and Tier 3 cities.

Unlike basic home sleep tests, SomniScan delivers a complete diagnostic system rather than a simplified screening tool. Accurate diagnosis—not just detection—is critical in managing sleep disorders effectively. It captures detailed physiological signals including brain activity (EEG), enabling true sleep staging (REM, light, and deep sleep)—a capability typically unavailable in most home sleep tests. The system uses gold-standard polysomnography with high-quality sensors and gold cup electrodes, ensuring precision comparable to in-lab studies. High sampling rates further enhance data accuracy and reliability.

Each study is manually scored epoch-by-epoch by trained sleep technologists certified as RPSGTs, following AASM guidelines to ensure clinical rigor and trust. Reports are delivered within 24 to 48 hours, allowing for timely medical intervention. Patients benefit from sleeping in their natural environment, reducing the 'first night effect'—a well-known phenomenon where unfamiliar lab settings alter sleep patterns—resulting in more natural and reliable data.