

 ensodata case study

Shifting from Outsourcing to AI Scoring

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SYNAPTRX
— S L E E P —



Discover how **Synaptrx Sleep** simplified their workflow, cut costs, and improved the patient experience with **consistent AI Scoring**.

For Dr. Jagdeep Bijwadia, Chief Medical Officer and Medical Director for Synaptrx Sleep, EnsoSleep's AI scoring has positively impacted multiple facets of the sleep center.

The Challenge

Synaptrx Sleep faced two primary challenges. Dr. Bijwadia's limited daily availability serving at multiple sleep lab locations and slow outsourced scoring turnaround times.

The Solution

Switching from outsourcing all sleep studies to leveraging EnsoSleep AI Scoring provided Synaptrx Sleep with consistent data available on the same day as HSAT drop-off and resulted in:

- **a simplified workflow for Dr Bijwadia and staff**
- **reduced overall costs**
- **improved patient turnaround times**



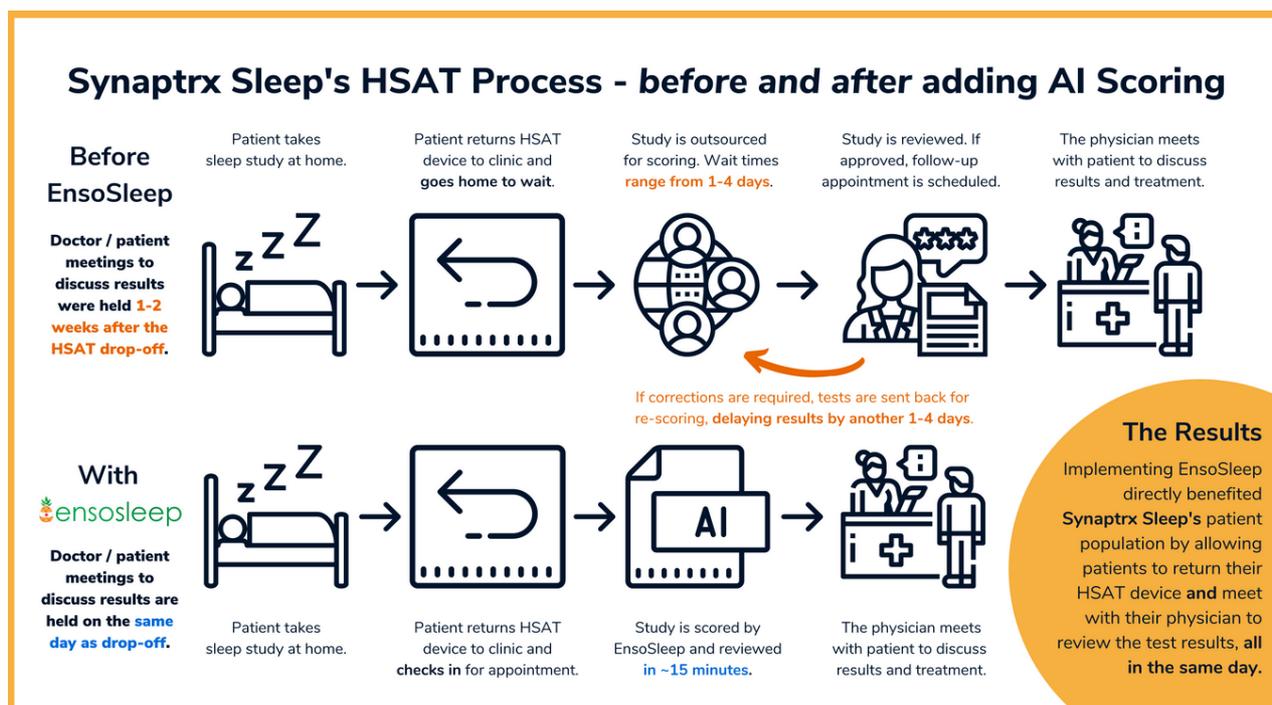
Improving Processes to Reduce Patient Turnaround Times

The primary reason for Synaptrx's interest in EnsoSleep, was a desire to cut down on lengthy turnaround times for patients and improve internal scoring processes. As **the only physician**, Dr. Bijwadia rotates between the four Synaptrx clinics to meet with patients, visiting each location around once a week.

The delayed scoring process caused patients to reschedule appointments, elongating their wait times for physician care. That's why Dr. Bijwadia sought out an **AI Scoring solution**, and the results of adding EnsoSleep have been terrific.

“While we still use the same device and study, instead of outsourcing the scoring, data is uploaded into the EnsoSleep system, and **10 minutes** later, I have a report to view,” said **Dr. Bijwadia**. “So now, patients come in, give us the HSAT, and by the time we get into the meeting, I have their data to analyze, **cutting down on patient inconvenience and the cost of scoring the studies** at the same time.”

Before EnsoSleep, the average turnaround time from completing an HSAT to meeting with Dr. Bijwadia could range from **one week** on the low end to several if the outsourced scores needed reassessments. With EnsoSleep AI Scoring, Dr. Bijwadia **reviews an EnsoSleep-scored HSAT study in just five minutes**.



Adding AI Scoring Saves Money and Time

In addition to time savings, there are financial benefits to the switch. Cost savings with EnsoData's AI solution are immense on a per study basis compared to the outsourced prices Synaptrx was paying, though as Dr. Bijwadia mentions, that was more of an added bonus.

“WHILE COST WASN'T MY BIGGEST CONCERN, I HAVE OBSERVED SAVINGS ON A PER STUDY BASIS. BALLPARK ESTIMATE, **WE'RE SAVING AROUND 66% PER HSAT**, BUT AS I SAID, THAT WASN'T THE DRIVING FORCE. THE BIGGEST BENEFIT IS THE **SIMPLIFIED WORKFLOW AND CONSISTENCY OF THE SCORING RESULTS.**”

- DR. JAGDEEP BIJWADIA, SYNAPTRX SLEEP

Speed and Cost Savings Aside ... is the Scoring Reliable?

Speed is only valuable if the scoring is also consistent. When it comes to EnsoSleep's AI scoring, **consistency means the same thing as it does for technologists**: impeccable agreement with AASM standards.

Unlike old technologies, however, EnsoSleep's speed does not come at the cost of quality and consistency. According to Dr. Bijwadia, EnsoSleep provides a wave of relief: “After looking at many of the Enso-scored studies, it gives your clinician **confidence that you can rely on the autoscored report generated by EnsoSleep**, with very little concerns. There are very few instances where I have to rescore by hand or update the report. I would say 1 or 2 percent, maybe. It's usually very accurate,” said Dr. Bijwadia.

Currently, EnsoSleep is AI scoring the majority of Synaptrx Sleep's HSATs while the team still outsources a small number of studies, Dr. Bijwadia believes: “**100 percent of studies will ultimately be scored by EnsoSleep.**”

ensosleep is the Wave of the Future

Implementing EnsoSleep was a game changer, optimizing the Synaptrx Sleep workflow to improve the patient experience.

At the end of the day, the Synaptrx Sleep team simply needed a solution to address their slow sleep test scoring turnaround time. After implementing EnsoSleep, patient turnaround times **dropped from one week to same day**.

Patients are now able to see Dr. Bijwadia and obtain their sleep test results on the **same day** they drop off their HSAT device. Not only is the process better for patients and Dr. Bijwadia, but costs dropped by **66% per HSAT** when tests were AI scored compared to the outsourced price Synaptrx was paying.

"I THINK THAT AUTOMATED SCORING, USING ARTIFICIAL INTELLIGENCE, REALLY IS THE FUTURE. **COMPARED TO HUMAN SCORING, IT IS MUCH MORE RELIABLE, REPRODUCIBLE, AND SCALABLE.** AS THINGS GET MORE AND MORE ACCURATE, I REALLY BELIEVE THAT AI SCORING IS WHERE SLEEP MEDICINE IS GOING. AND BY ACCURATE, I MEAN THE SCORING RESULTS ARE REPRODUCIBLE AT SCALE OVER TIME. THERE IS **FAR LESS VARIABILITY FROM ONE SCORED STUDY TO THE NEXT,** BECAUSE THE ALGORITHM IS APPLIED EQUALLY ACROSS THE BOARD."

-DR. JAGDEEP BIJWADIA, SYNAPTRX SLEEP

To learn how **EnsoSleep** can help your team reduce patient turnaround times or shift from outsourcing to AI scoring, **contact us today!**



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