

Smart Wearables for Not Impossible Labs

Smart wearables and AI-driven solution for the patients suffering from Parkinson's disease



Reducing movement activity significantly and making movement periods as fewer as possible is the goal of a non-pharmacological intervention for Parkinson's disease. How vibrotactile therapy can achieve it through sensors is a look out for many.

What is Avnet Smart Wearable?

We build wearable devices in a customized way with required electronics and sensors. And we give them the ability to connect to the Internet, enabling data exchange between a network and the device. However, how we use data gleaned from a wearable is where we are truly distinguished.



Why Not Impossible Labs selected our Smart Wearables

- We enabled vibrotactile wearables to generate reports for patients using artificial intelligence.
- We facilitated real-time monitoring using BLE connection.
- We offered to use a variety of sensors – ranging from magnetometer, gyroscope, vibration sensor to accelerometer – to eliminate the risk of fall out or injury.

Improve Parkinson's Disease Monitoring

- Access patients' telemetry data
- Track postural instability and muscle weakness
- Increase their confidence in daily activities

Allow more accurate medication adjustments

Track Parkinson's Disease Patients' Each Movement

- Detect bradykinesia and tremor in the upper extremities
- Track gait difficulties
- Lessen the muscle stiffness

Help patients to reduce falls

Digitalize Patients' Observation

- Get notification for any patient's episode
- Generate and compare patient reports
- Schedule vibration settings for patients

Support Parkinson's disease patients

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