Wearable Device Comparaison

Device Name	Detection Technique	Output Type
mjn-SERAS	Monitors brain activity using sensors in a custom-fitted earpiece; employs artificial intelligence to predict seizures 1-3 minutes before they occur.	Sends alerts to a paired Android smartphone, providing visual and auditory warnings to the user and notifying designated contacts.
Embrace 2	Utilizes electrodermal activity and motion sensors to detect convulsive seizures.	Sends instant alerts to caregivers via connected smartphones, indicating potential convulsive seizures.
SmartWatch Inspyre™	Detects repetitive shaking motions indicative of convulsive seizures using accelerometer sensors.	Sends text and phone call alerts to designated contacts through the user's smartphone upon detecting seizure-like movements.
Emfit MM™ Movement Monitor	Detects abnormal fast movements during sleep using a sensor placed under the mattress.	Emits a high-frequency alert if such movements continue beyond a preset duration, alerting caregivers.
SAMi®	Employs a video-based system to monitor and record unusual movements during sleep.	Provides live video and records events for later review, alerting caregivers to potential nocturnal seizures.
SeizAlarm App	Monitors motion and heart rate using the smartphone's sensors to detect seizure-like activity.	Automatically alerts emergency contacts via text, phone call, and GPS location when seizure-like motion or concerning heart rate is detected.

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