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Diagnosis of Parkinson's: A Novel Approach

Omkar[1], Anith[2], Pratik[3], Sushmitha[4], Sruthi Dinesh[5]
UG Students, Department of Electronics and Communication Engineering[1-4]
Assistant Professor, Department of Electronics and Communication Engineering[5]
Mangalore Institute of Technology & Engineering, Mangalore, India

Abstract: *In Europe, 1.2 million people suffer with Parkinson's disease (PD), and during the next few decades, there will likely be an exponential increase in the disease's prevalence. The lack of neurologists qualified to provide skilled care for Parkinson's disease (PD) will provide a challenge to this epidemiological trend. Patients are calling for strict symptom management and treatment education as Parkinson's disease (PD) becomes more widely recognized. Furthermore, due to the very diverse character of symptoms among patients as well as changes within the same patient, new tools are needed to enable clinicians and patients monitor the disease in the context of their daily lives and modify treatment in a more pertinent manner. Currently, a number of body-worn sensors (BWS) have been proposed to track clinical aspects of parkinsonian patients, including motor variations like tremor, has been included to tools for research and patient management. Here, we offer a useful anthology that highlights the features of the BWSs that PD patients in Europe use the most, with an emphasis on how they might be used as instruments to enhance therapy management. Technology for monitoring non-motor aspects is also taken into consideration. BWS undoubtedly present fresh chances to enhance PD management tactics, but it's important to define exactly how they fit into everyday routine treatment.*

Keywords: EMG sensor, OLED, MPU-9250, XCLUMA vibration module