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ConnectedLife partners with Ocean Protocol to purge Parkinson's Disease

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ConnectedLife and Ocean Protocol announce their partnership to advance Parkinson's Disease (PD) diagnosis and treatment with safe sharing of patient-generated data.

By combining Internet of Things (IoT) and deep learning technology, ConnectedLife continuously collects motion data to objectively monitor motor symptoms of Parkinson's Disease patients. Through clinical trials with the National Neuroscience Institute in Singapore and other research partners in Germany and Turkey, ConnectedLife gathers tens of thousands of minutes free-living motion data from Parkinson's Disease patients.

The raw data is then processed continuously over time to develop a predictive model to objectively detect Parkinson's Disease motor symptoms. Ocean Protocol provides the technology for the patient-generated data to be shared in a privacy-preserving and secure manner.

With the advent of IoT technology, vast amounts of patient data can be collected and used to advance research and disease management. To scale this, there is a need to allow the sharing of health data. However, this is challenging due to a lack of trust, privacy and security concerns.

ConnectedLife's high-resolution motion and biomedical data provides objective symptom measures and is shared via Ocean Protocol with healthcare professionals to help prescribe personalised treatments, so patients can be maintained in the optimal therapeutic range to prevent unwanted side effects and symptom fluctuations, significantly improving their quality of life. In addition, machine learning is used to facilitate the development of technology for early diagnosis.