



## A brief Study on Parkinson's Disease

Uchenna Adelina\*

Department of Neurology, Depaul University, United States

### INTRODUCTION

Parkinson's disease occurs when there is a disorder in the brain that leads to shaking, stiffening, and balancing of the body. It is progressive nervous system disease it starts with the tremors. This Parkinson's disease occurs when there is an insufficient production of chemical in brain which dopamine important or helpful or acts as a neurotransmitter. Sometimes this Parkinson's disease occurs as a genetics as when there is a family history of Parkinsonism. The symptom in the Parkinson's disease occur slowly and emerges when there is a progression in the disease. The most common symptoms of Parkinson's disease include tremors, shaking, stiffening of limbs, difficulty in walking and maintaining the posture. Parkinson's symptoms usually are minor or slow and they began to emerge when there is a progression. Parkinson disease is a neurocognitive disorder as it also include the behavioural changes, memory problems and fatigue. This Parkinson's disease usually occurs both in men and women but there are most chances to occur in men. The main cause of Parkinson disease is of when the nerve cells in the basal ganglia in the region of the brain has been impaired or destroyed. These nerve cells in the basal ganglia produces a chemical called dopamine ad when the nerve cells gets impaired there will be any production of the chemical that is dopamine then it causes the movement problems which is the Parkinson's disease. As the symptoms of the Parkinson's gets worse then there will be a loss in the body functioning and trouble walking. Diagnosis of the Parkinson's disease or the Parkinson's disease can be detected by examining the motor functions and performing neuroimaging tests like MRI scan and other tests. Certain medical blood tests are done. Treatment for Parkinson's disease includes the drugs that which increase

the level of dopamine, and the drug that helps to control the body movements. The primary drug or the drug of choice used for Parkinson's disease is levodopa and carbidopa. A person who are suffering with Parkinson's disease and who has been prescribed with the drugs like carbidopa and levodopa should not be stopped immediately without the intimation of the doctor will be in risk of developing the seriously ill side effects like difficulty in breathing and unable to move completely. Other medications for treating this Parkinson's disease include dopamine agonists, MAO inhibitors, COMPT inhibitors, amantadine, and other anticholinergic drugs. When this Parkinson's disease occurs more severely then the only alternative way is to perform surgery which is called as a deep brain stimulation in this procedure two electrodes inserted into the brain and stimulates the brain in order to reduce the all the slow movement activities and rigidity. Other therapies include occupational therapy, physical therapy and speech therapy. Management of Parkinson's disease includes the regular exercises which improves the muscle movements and its activities. Eating a healthy and balanced diet and also you can assist physical therapist in case of Preventing falls and maintaining balance. People with Parkinson's disease may suffer from anxiety, depression and frustrated for their movements.

### ACKNOWLEDGMENT

The authors are grateful to the journal editor and the anonymous reviewers for their helpful comments and suggestions.

### DECLARATION OF CONFLICTING INTERESTS

The authors report no conflict of interest.

<b>Received:</b>	03-January-2022	<b>Manuscript No:</b>	IPNBI-22-12656
<b>Editor assigned:</b>	05-January-2022	<b>PreQC No:</b>	IPNBI-22-12656 (PQ)
<b>Reviewed:</b>	19-January-2022	<b>QC No:</b>	IPNBI-22-12656
<b>Revised:</b>	24-January-2022	<b>Manuscript No:</b>	IPNBI-22-12656 (R)
<b>Published:</b>	01-February-2022	<b>DOI:</b>	10.36648/ipnbi.6.1.2

**Corresponding author** Uchenna Adelina, Department of Neurology, Depaul University, United States, E-mail: alie@gmail.com

**Citation** Adelina U (2022) A brief Study on Parkinson's Disease. J Neurosci Brain Imag. 6 No.1.2

**Copyright** © Adelina U. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.