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Gastrointestinal Dysfunction in Parkinson's Disease and Its Initiation at Gut

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Editorial

Parkinson's disease is a growing neurological disorder. The gastrointestinal dysfunction [1] of Parkinson's disease manifest most prominently in form of Constipation. It is estimated that more than half-a-million people are suffering from this dreadful neurodegenerative disorder in US alone. A recent study conducted by University of Iowa shows that Parkinson's disease is related to gut [2]. It is seen that various complications including constipation along with digestive dysfunction occurs at various stages of Parkinson's disease. Moreover, researchers were also able to link a poison named rotenone which when exposed to roundworms leads to killing of neurons whose death is related to Parkinson's [3]. Apart from that, it has also been found that Parkinson's disease initiates in the gut along with the onset of central motor symptoms [4]. Moreover, it has been found that occurrence of inflammation leads gut to central nigrostriatal neurodegeneration which bowel causes neuromotor abnormalities along with oxidative stress and tissue inflammations. Overall, it has been observed that the gut microbiota may be involved in the process of spreading the

neurodegenerative cascade of Parkinson's disease to the brain [5].

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