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**Role of Gastrointestinal Dysbiosis and Fecal Transplantation in Parkinson's Disease****Rahul Jena***Bharati Vidyapeeth Medical College, Pune India.*

Parkinson's disease (PD) is one of the most common neurodegenerative diseases with a high rate of morbidity. It is associated with dopaminergic neuron loss and is fairly common in the elderly population. Recently, there has been a growing interest in the role of the gut microbiome in the pathogenesis of PD and thus studies addressing the methods to modulate the microbiota are becoming increasingly popular. Fecal microbiota transplant (FMT) is one of these methods and is effective in certain intestinal and extra intestinal conditions. This review aims to talk about gastrointestinal dysbiosis and how the reconstruction of this microbiome via FMT could potentially be used as a treatment modality in the future. We went through various studies and collected data relevant to our topic from the previous five years. The studies selected include reviews, observational studies, animal studies, case reports, and some grey literature. We concluded that although it has great potential as a therapeutic modality in the future, it is limited by several factors such as variability among the results of most clinical studies and the lack of large sample sizes. Therefore, there is a need for high-quality clinical trials with larger sample sizes to gather enough clinical evidence so that FMT can qualify as a widely recommended therapeutic measure.

**Biography**

Rahul Jena is a final year medical student at Bharati Vidyapeeth Medical College, Pune. He is interested in internal medicine, neurology, and global health. He currently has 3 narrative reviews published and is actively involved in other research projects.