

Treatment Strategy for Parkinson's Disease

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Parkinson's disease (PD) is a common degenerative disease, but its etiology is still unknown. No current therapeutic approach to the treatment of PD prevents the destruction of dopaminergic neurons in the zona compacta of the substantia nigra. Although enhancement therapy of neurogenesis is expected as a new therapeutic potential on PD, recent reports evaluating even normal nigral neurogenesis are contradicted each other due to technical limitation in microscopic observation to locate bromodeoxyuridine positive nuclei against dopaminergic cell bodies. In this symposium, I reviewed the future treatment strategy of enhancement neurogenesis in the midbrain including our alternative methods to evaluate neurogenesis in PD model and PD autopsy brain.