

## Natural treatment for parkinson's disease: Controlled vestibular stimulation

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Parkinson's disease is also known as idiopathic or primary parkinsonism, hypokinetic rigid syndrome/HRS, or paralysis agitans) is a degenerative disorder of the central nervous system. Standard Parkinson's disease treatments with dopaminergic drugs, and sometimes deep brain stimulation, often fail to alleviate axial rigidity and gait problems. Controlled Vestibular Stimulation increases GABA release only from ipsilateral substantia nigra and it doesn't affect dopamine levels. Controlled vestibular stimulation is expected to activate multiple pathways from the vestibular nuclear complex (VN). Of particular interest may be pathways that connect the cerebellum and the basal ganglia over the subthalamic nucleus and thalamus. Controlled vestibular stimulation also increases nigral GABA concentrations, but the pathways involved in this effect remain to be elucidated.

**Key words:** Controlled vestibular stimulation; Parkinson's disease; Substantia nigra.

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