

Neurotrophic Factors Treatment for Alzheimer's disease

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Abstract

Neurodegenerative diseases have unbearable conditions particularly in aging population, Alzheimer's disease (AD) is a cognitive decline, due to many Pathological and Neurophysiological changes occur mainly in basal forebrain neurons particularly, cholinergic neurons and some other complications. Yet no exact treatment for it. It's a global health issue. Neurotrophic factors have crucial role in neural and non neural tissues. Mainly it's initiating development and maintenance of brain tissue. Further, it has been reported that there is a sudden change in the neurotrophic factor secretion and its receptors in Alzheimer's disease (AD) which may have a vital role in neuronal degeneration. For this reason, the neurotrophic factors study must be deeply and extensively investigating. Neurotrophic factors treatments known to promote faster regeneration of motor neurons (MN) and various central nervous system (CNS) neurons have been reported. However, the exact neurotrophic factor or factors not yet find out for clinical phase trials for Parkinson's disease (PD) and AD. In this we discuss the underlying principle behind those neurotrophic factors and neurotrophic factor drugs for treatment of AD



Speaker Biography:

Prof. Dr. Gunasekaran has completed his PhD in National Institute of Mental health and Neuro sciences (NIMHANS) , Bangalore India, postdoctoral studies from Michigan state University, University of North Dakota (UND), Department of Neuroscience and Experimental Therapeutics, College of Medicine, Texas A&M Health Science Center, Bryan, TX 77807, USA .He has published more than 15 papers in reputed journals and currently working as a professor of Physiology and neuroscience at KUHS .

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