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Neurotrophic factors for the treatment of Motor neuron diseases (MNDS)

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Abstract

Motor neuron diseases MNDS are kind of neurodegenerative diseases, specifically it affects upper and lower motor neurons which cause motor signals unable to pass to the exact muscles. Which leads uncontrollable twitching (fasciculations), gradual muscle weakening, wasting. and paralysis. Yet there is no permanent cure for the MNDS. After disease on set within 3-4 years death occur. Still the therapeutic options limited despite a large number of methods have been tested clinically. Neurotrophic factor treatments known to promote faster regeneration of motor neurons and CNS neurons have been reported. However, the exact neurotrophic factor not yet find out for clinical phase trials. In this we discuss the underlying principle behind those neurotrophic factors and neurotrophic factor drugs for treatment of MNDS.

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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