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Vestibular modulation of endocrine secretions: A review

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Abstract

The need for vestibular stimulation can be observed throughout the life from newborns and infants in the cradle to the aged in a rocking chair. Everyday activities such as running, dancing, swinging, falling aside, or driving cars may exert positive and negative effects on subjective well-being.

A thorough review of literature revealed that vestibular system is having extensive interactions with hypothalamic nuclei, autonomic system, dorsal and median raphe nuclei, substantia nigra, hippocampal formation and modulates endocrine secretions.

The purpose of this article is to review research reports related to role of vestibular stimulation in modulation of endocrine secretions and to suggest translational research in this area.

Keywords: Endocrine secretions; Vestibular stimulation.

Biography

Sai Sailesh Kumar has completed Msc in Medical Physiology from KMC Manipal in 2007. He is persuing phD in Medical physiology at LFMRC affiliated to Kerala University of Health sciences. He has published more than 25papers in reputed journals and serving as co-editor for Asian Asian Journal Of Health Sciences, an international peer reviewed journal.

Dr J K Mukkadan has completed his PhD at the age of 35 years from University of Callicut and post doctoral studies at Amala Cancer Research Centre, Trissur, Kerala. He is the founder and research director of Little Flower Medical research Centre (LFMRC), Angamlay. He is a recognized PhD guide for physiology at Kerala University Of Health Sciences, MG University and IGNOU. He has published more than 50 papers in reputed journals and serving as editor in chief for Asian Journal Of Health Sciences, an international peer reviewed journal. He organized many national and international conferences in physiology and nutrition. He is the founder, director of School of medical education of MG university and LIMSAR, Angamaly.