TOPIC: Comparative Study of Brainstem Auditory Evoked Potential and Somatosensory Evoked Potential in Total Blind and Normal Subjects:

The Aim of the Study was to compare the changes in Brainstem Auditory Evoked potential and Somatosensory Evoked Potential in Total Blind to the normal subject.

For this Study, Brainstem Auditory Evoked potential and somatosensory Evoked Potential were recorded in 40 total blind females in the age group of 18-40 and 40 control Group of same age and sex. This study was conducted at Research laboratory, Department of Physiology, Thanjavur Medical College, Thanjavur. Study Group was from the general community in and around Thanjavur through District Rehabilitation Welfare Office, Thanjavur. Informed written consent from the study and control group were obtained. Exclusion criteria were neurological diseases with sensory loss, narcotic and epileptic drug intake and those who had undergone rehabilitation training.

From our study it was found that latency of Wave V was decreased in Brainstem Auditory Evoked potential and also latency of N22 Wave was decreased in somatosensory evoked potential suggesting that cross modal plasticity was also occurring at the level of sub cortical level in auditory system and at cortical level in somato sensory system.

Keywords: Brainstem Auditory Evoked potential, somatosensory Evoked potential, Total Blind