**Original article**

**A study of effect of temperature on conduction velocity of median sensory and motor nerve in normal subjects**

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**Abstract**

The present study was conducted in the Department of Physiology, Netaji Subhash Chandra Bose Medical College and Hospital, Jabalpur (M.P.) . Median motor and sensory nerves were examined in 60 medical students aged between 17-25 years ,having no signs or symptoms of neurological impairment. Using surface and ring electrodes. Different temperature i.e. hot& cold were maintained with the help of water bath and skin temperature measured by using Digital Mercury Thermometer. The result of our study showed that as on increasing the temperature from 290 C to 390C there was significant increase in nerve conduction velocity by 1.0 to 1.4 m/second per degree rise in temperature

**KeyWords:** Nerve conduction study, median nerve, Effect of temperature, median motor and sensory nerve