**“ULNAR NERVE SENSORY ACTION POTENTIAL CHANGES AROUND WRIST IN PHYSIOLOGICALLY NORMAL SUBJECTS IN DIFFERENT AGE GROUPS.”**

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**ABSTRACT:**

**INTRODUCTION:** It is widely accepted that nerve conduction study (NCS) parameters changes with age. Present study is to evaluate changes in ulnar nerve sensory action potential with age at wrist. Changes occurs at a greater rate in median than in ulnar nerve due to increased susceptibility of the median nerve to repetitive motion trauma or higher intracarpal canal pressure with contract stress and awkward wrist posture, Over several decades may account for the more influence of the aging process on the median nerve compared with ulnar nerve at wrist. . Electro physiological changes are probably related to the normal Histological ageing changes in peripheral nerves

**Methods:** An observational descriptive study was conducted in randomly selected 170 healthy human subjects of both sexes of members of staff of SAIMS, students and healthy relatives of patients and they volunteered for the study by Viking Quest EMG and Master copy software 48.0. The measurements of sensory amplitude were carried out on ulnar nerve at wrist.

**Result:** In the present study sensory amplitude result was statistically not correlated with increasing age, though a declining trend of amplitude with Aging was evident.

**Conclusion**: Our study on SNAP amplitude of ulnar nerve showed a declining trend with age.

**Key words**: Conduction velocity, Nerve conduction studies (NCS), Sensory action potential

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