

OP 3: OVERVIEW OF NEUROLOGICAL INVESTIGATIONS CARRIED OUT AT DEPARTMENT OF PHYSIOLOGY FACULTY OF MEDICINE, JAFFNA

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Introduction: The objective of procurement of Neuro pack equipment to the department was for the demonstration of electrical properties of nerves and muscles and carrying out investigations on patients. It's the only equipment capable of neurological investigations in the Northern Province of Sri Lanka. Patients not only from Jaffna but also from various districts in Northern Province are benefited from this equipment.

Methods: The neurologist from Teaching Hospital, Jaffna brings the patients and performs the investigations.

Results: Out of 124, 118 patients who have completed the investigations and diagnosed are considered for a simple analysis. 70 (60%) of them were females. Majority, 47(40%), were in the age Group of 30 to 44 years. 61(52%) patients were diagnosed as carpal tunnel syndrome and 38(32%) as peripheral neuropathy. Majority of the patients with carpal tunnel syndrome were females within the age group of 30 to 44 years and most of them were having bilateral hand involvement 54(88%). EMG is done on the decision of neurologist after carrying out NCS. Up to now 15 patients have undergone needle EMG from our department to confirm their diagnosis. Patients have undergone EMG mostly after Peripheral neuropathies and Denervation. EMG testing is done in four phases: Insertional activity, Spontaneous activity, Motor unit action potential and Compound muscle action potential.