

Organophosphate Induced Neuropathy - An Epidemic Case Report at Civil Hospital, Ahmedabad

M.M. Prabhakar¹, Y.U.Shukla^{2*}, A.R.Bhise³

ABSTRACT:

Introduction: Organophosphates are the important biochemical substance, generally used as insecticides, nematocides, fungicides, solvents, plasticizers, drugs, herbicides and chemical warfare nerve agents. The most common route of entry of OPs in to body, is through insecticides, whether suicidal or accidental. Acute poisoning of OP is frequently observed in developing countries. Organophosphates cause inhibition of acetylcholinesterase enzyme in the body which leads to accumulation of acetylcholine. Acetylcholine is very important for nerve function. The Prevalence of OP poisoning is around 1 million per year. **Aim:** Aim of this study was to do an epidemic case study the effect of Organophosphet on peripheral nerves. **Material and method:** 17 (9 male and 8 female) Patients with organophosphate consumptions were clinically assessed and were tested by NCV study at Physiotherapy Department of Civil Hospital, Ahmedabad. **Results and Conclusions:** The Study of 17 organophosphate poison consumption revealed that there was Electrophysiological evidence of demyelinating and axonal type of pure motor polyneuropathy affecting LL >UL with normal sensory nerve conduction.

Key words: Organophosphate, NCV, Neuropathy.

Author:-

¹ Medical Superintendent, Director Government Physiotherapy College & Government Spine Institute, Civil Hospital, Ahmedabad.

² Senior Lecturer, ³ I/C Principal & Senior Lecturer, Government Physiotherapy College, Ahmedabad.

Corresponding Author:-

Mrs. Yagna U. Shukla.

Email: yagnshukla@yahoo.com