



AN UNUSUAL PRESENTATION OF ORGANOPHOSPHORUS COMPOUND POISONING

General Medicine

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KEYWORDS

INTRODUCTION:

Organophosphorus compounds act by inhibition of acetylcholinesterase enzyme leading to accumulation of the acetylcholine at synapses resulting in acute cholinergic crisis⁽¹⁾. Excess cholinergic stimulation leads to increased secretions of salivary glands & lacrimal glands but inflammation of these glands is rarely seen⁽¹⁾. We are reporting one such rare case of bilateral parotitis and dacryoadenitis due to organophosphorus poisoning.

OBJECTIVE:

To highlight the unusual manifestations of organophosphorus compounds.

CASE REPORT & OBSERVATION: A 36 year old male presented to AKASH hospital ER after consumption of 10cc of dimethoate compound. A thorough gastric lavage & appropriate treatment was initiated with Inj. Atropine & Pralidoxime and relevant investigations done. Over the next 10 hours, patient complained of pain in bilateral parotid region. On examination he had bilateral parotid swelling and dacryoadenitis.



DAY 1

DAY 4

Ultrasound of parotid gland showed dilated duct with increased vascularity thereby ruling out pre-existing ductal calculi.

Patient was successfully treated with complete recovery of parotitis over 2 days.

CONCLUSION:

OPC have been shown to cause pancreatitis but parotitis is rare. There are two such cases of parotitis in OP poisoning reported till day. We could find one such case report from India. We hereby present a rare manifestation of OPC poisoning.

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