

CONTENTS

Title	Page No.
* LIST OF ABBREVIATIONS	I
* LIST OF TABLES	IV
* LIST OF FIGURES	V
*INTRODUCTION	1
* AIM OF THE WORK	4
* REVIEW OF LITERATURE :	
*CHEMISTRY OF ORGANOPHOSPHORUS COMPOUNDS.....	5
*PATHOPHYSIOLOGY OF ORGANOPHOSPHORUS POISONING	24
* CLINICAL FEATURES OF ORGANOPHOSPHORUS POISONING	27
*ORGANOPHOSPHATE POISONING IN YOUNG CHILDREN.....	33
*ESTIMATING SEVERITY AND PREDICTING OUTCOME OF ACUTE ORGANOPHOSPHORUS POISONING.....	36
*TOXIC EFFECTS OF ORGANOPHOSPHORUS ON COMMONEST PARENCHYMATOUS ORGANS.....	50
-Heart.....	50
-Lung.....	56
-Pancreas.....	61
-Liver	65
- Kidney.....	69
-Thyroid gland.....	73
- Parotid Gland.....	75
- Immune system.....	77
-Testis.....	80
- Ovary.....	84
* COMPLICATIONS OF ORGANOPHOSPHORUS POISONING	85
(I) Neurological complications.....	85
-Intermediate syndrome (IMS)	85
-Organophosphorus Induced Delayed Polyneuropathy (OPIDPN).....	90
- Chronic organophosphate induced neuropsychiatric disorders (COPIND)	93
-Parkinsonism.....	97
-Other neurological complications.....	101
(II) Respiratory complications.....	102
-Respiratory failure.....	102
(III) Other complications.....	106

Title	Page No.
*INVESTIGATION OF ORGANOPHOSPHORUS POISONING...	110
* MANAGEMENT OF ORGANOPHOSPHORUS POISONING	119
-Initial Stabilization	119
-Decontamination	122
-Ipecacuanha (Ipecac)	123
-Gastric lavage.....	123
-Activated charcoal (Single or Multiple Dose)	124
-Cathartics	125
-Haemodialysis, haemoperfusion and forced diuresis.....	127
-Antidotal Therapy	128
-Muscarinic antagonist drugs.....	129
-Acetylcholinesterase reactivators (Oximes)	134
-Benzodiazepines	139
-Sodium Bicarbonate.....	142
-Mg Sulphate	144
-Alpha-2 adrenergic receptor agonist (Clonidine)	147
-N-Methyl-D-Aspartate Receptor Antagonists.....	147
-Fresh Frozen Plasma.....	149
-Organophosphorus Hydrolase.....	152
* SUMMARY	157
* CONCLUSION	164
* REFERENCES	167
* ARABIC SUMMARY	