

**The Role of Poisoning Severity Score, QTc
Interval and Some Biomarkers in Assessment of
The Severity of Organophosphorus Compound
Acutely Intoxicated Cases Admitted to Poison
Control Center Ain Shams University**

Thesis

Submitted in partial fulfillment of MD degree in clinical toxicology

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2016

Acknowledgments

First of all thanks to ALLAH

I would like to present my sincere thanks and appreciation to Prof. Dr., Mona El Kotb Moussa professor and head of Forensic Medicine and Clinical Toxicology Department, Faculty of Medicine, Ain Shams University. Her kind help, great support, valuable instructions and constant encouragement throughout this work are beyond my words of gratitude.

I would like to express my deepest gratitude and appreciation to Prof. Dr. Hoda Salah Osman Professor of Forensic Medicine and Clinical Toxicology, Faculty of Medicine, Ain Shams University, who guided this work and helped me whenever I was in need.

I am deeply grateful for Dr. Heba Youssef Mohammad Assistant professor of Forensic Medicine and Clinical Toxicology, Faculty of Medicine, Port Said University, for her help and constant support. She helped me to prepare the basic steps of this work.

I have greatly profited from the advice generously lavished by my Professors and Colleagues in the Forensic Medicine and Clinical Toxicology Department, Faculty of Medicine, Ain Shams University. My cordial thanks for their support and comradeship are not enough.

Finally, I would like to express my deepest gratitude for the constant support, understanding and love that I received from My Family and My Friends during this work.

Salma Ibrahim

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LIST OF ABBREVIATIONS

Abbreviation	Meaning
AchE	Acetylcholinesterase
AHA	American Heart Association
ANOVA	Analysis of variance
ALT	Alanine transaminase
AOPP	Acute organophosphorus pesticide poisoning
APACHE	Acute physiology and chronic health evaluation
AST	Aspartate transaminase
BBB	Blood brain barrier
BDZ	Benzodiazepines
BG	β -glucuronidase
BPM	Beats per minute
BuChE	Butyrylcholinesterase /Plasma cholinesterase
CD4+T	Cluster of differentiation 4 on T lymphocyte
C_{max}	Peak serum concentration
CNS	Central nervous system
CP	Chlorpyrifos
CPK	Creatine phosphokinase
CRP	C-reactive protein
CVS	Cardiovascular system
CWAs	Chemical warfare agents
DAP	Dialkyl phosphate
D-CRP	Difference in C-reactive protein value between initial and after 24 hours.
DFP	Diisopropyl phosphorofluoridate
DNA	Deoxyribonucleic acid
DTNB	5, 5'-Dithiobis-2-Nitrobenzoic acid

LIST OF ABBREVIATIONS (CONT....)

Abbreviation	Meaning
DZ	Diazinon
EAPCCT	European association of poisons centers and clinical toxicologists
EC	European community
ECG	Electrocardiogram
ER	Emergency room
F	Variance ratio
FFP	Fresh frozen plasma
FIO₂	Fraction of inspired O ₂
GABA	Gamma-Aminobutyric acid
GC	Gas chromatography
GCS	Glasgow coma scale
GGT	γ -glutamyl Transpeptidase
GIT	Gastrointestinal tract
GSH	Glutathione
HCO₃	Bicarbonate
HK	Hexokinase enzyme
HLA-DR	Human leukocyte antigen D related
Hr	Hour
ICU	Intensive care unit
IgG	Immunoglobulin G
IM	Intramuscular injection
IMS	Intermediate syndrome
IPCS	International program on chemical safety
IV	Intravenous
K	Potassium

LIST OF ABBREVIATIONS (CONT....)

Abbreviation	Meaning
Kg	Kilogram
L	Liter
LAT	Latex agglutination test
LC	Liquid chromatography
LD50	Lethal dose that kills half of the animals
LDH	Lactate dehydrogenase
M	Mean
mEq/l	Milliequivalent/liter
Mg	Miligram
Min	Minute
ml	Mililiter
mmHg	Millimeter mercury
MNCs	Mononuclear cells
MODS	Multiple organ dysfunction syndromes
MS	Mass Spectrometry
Msec	Milliseconds
MV	Mechanical ventilation
N	Number
NADH	Nicotinamide adenine dinucleotide
NADPH	Nicotinamide adenine dinucleotide phosphate
NAs	Nerve Agents
NGOs	Non-governmental organizations
NIH	National Heart, Lung, and Blood Institute
NMDA	N-methyl-D-aspartate
NMJ	Neuromuscular junction
NTE	Neuropathy target esterase

LIST OF ABBREVIATIONS (CONT....)

Abbreviation	Meaning
OMPA	Octomethyl pyrophosphotetramide
OP	Organophosphorus
OPICN	Organophosphorus ester-induced chronic neurotoxicity
OPIDN	Organophosphate-induced delayed neurotoxicity
OPWs	OP chemical weapons
PaO₂	Partial pressure of O ₂ in arterial blood
PCC	Poison control center
PCCASU	Poison control center Ain Shams university
PChE	Pseudocholinesterase
PNS	peripheral nervous system
PON1	paraoxonase 1
PSS	Poisoning severity score
QTc	QT interval corrected for heart rate
ROC	Receiver operating characteristic curve
ROS	Reactive oxygen species
SAPS	Simplified acute physiology score
SCE	Sister chromatid exchanges
SD	Standard deviation
SPSS	Statistical package for social science
T	Student t test
TEPP	Tetraethyl pyrophosphate
U	Units
WHO	World Health Organization
WWII	World war II
X²	Chi square comparison with other group

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