

بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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بالرسالة صفحات
لم ترد بالأصل



Neurotransmitters Disorders and Oxidative Stress in Workers Exposed To brick kiln Pollutants in Egypt.

Submitted By

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B.Sc. of Science (Chemistry).Faculty of science.Helwan
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Master in Environmental Science. Faculty of Graduated
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A Thesis Submitted in Partial Fulfillment

Of

The Requirement for the Doctor of Philosophy Degree

In

Environmental Science

Department of Environmental Basic Science

Faculty of Graduated Studies and Environmental Research

Ain Shams University

APPROVAL SHEET

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Contents

• List of abbreviations	I
• List of Tables	III
• List of Figures	IV
• Acknowledgment	XVI
• Abstract	XVII
• Introduction	1
• Aim of the work	2
• Review of literature	4
○ History	4
○ Raw Materials	7
○ Environmental and occupational Pollutants in Brick Kilns	9
○ Free Radical and Oxidative stress	14
○ Reactive Oxygen Species (ROS)	16
○ Reactive Nitrogen Species (RNS)	16
○ Formation of reactive oxygen species(ROS)	16
○ Nitric Oxide(NO)	18
○ Malondialdehyde (MDA)	19
○ Heavy metals	20
○ Heavy metals and their toxicity mechanisms	20
○ Lead (Pb)	22
○ Cadmium (Cd)	27
○ Chromium (Cr)	29
○ Neurotransmitters	36
○ Acetylcholine and acetylcholinesterase	37
○ Serum neuron-specific enolase (NSE)	42

Contents

○ Serum Alpha-1-antitrypsin	44
• Methodology	48
• Results	83
• Discussion	124
• Conclusion and Recommendation	141
• Summery	145
• References	150
• Arabic Summery	185

List of Abbreviations

A1AT	Alpha-1 antitrypsin
ABG	Arterial blood gas
ACh	Acetylcholine
AST	Aspartate amino transferase
BC	Before Christ
BMI	Body Mass Index
BNP	Brain natriuretic peptide
BUN	Blood Urea Nitrogen
Cd	Cadmium
Cr	Chromium
cGMP	Cyclic guanosine monophosphate
CO	Carbon monoxide
COHb	Carboxyhemoglobin
CNS	Central Nervous System
DNS	Delayed neuropsychiatric sequelae
ECG	Electrocardiogram
EDCs	Endocrine disrupting chemicals
GGT	gamma-glutamyl transferase
HB	hemoglobin
HCT	Haematocrit
HIV	Human immunodeficiency virus
HF	Heart failure
HO	Hemeoxygenase
LOC	loss of conscious
MCH	Mean corpuscular hemoglobin
MCHC	Mean corpuscular hemoglobin
MDA	Malondialdehyde
mEq/L	milliequivalent/Litre

List of Abbreviations

mg	milligram
mg/dl	milligram/deciliter
mmHg	millimeter mercury
NEQS	National Environmental Quality Standards
NO	Nitric oxide
NOS	Nitric oxide synthetase
NSE	Neuron specific enolase
Pb	Lead
PLTs	Platelet count
Pss	Poisoning severity score
PM	Particulate Matter
PChE	Pseudo cholinesterase
RBCs	Red blood cells Count
ROS	Reactive oxygen species
SD	Standard deviation
SGOT	glutamic oxaloacetic transaminase
TAC	Total Antioxidant Capacity
WBCs	White blood cells Count
WHO	World Health Organization

List of Table

Table	Title	Page
Table (1)	Chemical Composition of clay	8
Table (2)	Fuel types and respective pollutant emissions	12
Table (3)	Age, BMI and Exposure time per day in brick kiln workers studied groups and control group	85
Table (4)	Blood pH in the studied groups	86
Table (5)	PCO ₂ in the studied groups	87
Table (6)	PO ₂ in the studied groups	89
Table (7)	AST, ALT and GGT in the studied groups	91
Table (8)	Creatinine and Blood Urea in the studied groups	93
Table (9)	Alpha-1-Antitrypsin Level in studied groups	94
Table (10)	Oxidative stress parameters (MDA, NO, TAC) in studied groups	97
Table (11)	Heavy Metals (Pb, Cd, Cr) in studied groups	99
Table (12)	Neurotransmitters Parameters (Ach, NSE, PChE) in studied groups	102
Table (13)	Hematological Parameters in studied groups	108
Table (14)	Correlation between heavy metals and neurotransmitters Parameters	109
Table (15)	Correlation between heavy metals and Oxidative Stress parameters	113
Table (16)	Correlation between neurotransmitters and Oxidative Stress parameters	116
Table (17)	Correlation between heavy metals and arterial blood gases parameters	121
Table (18)	Correlation between heavy metals and Body Mass Index (BMI)	122

List of Figures

Figure	Title	Page
Figure (1)	Formation of reactive oxygen species	18
Figure (2)	Various sources of lead pollution in the environment	23
Figure (3)	The increase in blood lead concentration affecting a person's IQ	26
Figure (4)	A relative contribution of different sources to human cadmium exposure	35
Figure (5)	Values for cadmium toxicity	36
Figure (6)	Acetylcholine metabolism at the nerve synapses of the nerve cells	38
Figure (7)	Structure of NSE	43
Figure (8)	MDA standard curve	65
Figure (9)	Alpha-1-antitrypsin standard curve	71
Figure (10)	Standard curve of h-NSE.	74
Figure (11)	Standard curve of acetylcholine	76
Figure (12)	Standard curve of chromium metal	79
Figure (13)	Standard curve of lead	80
Figure (14)	Standard curve of cadmium metal	82
Figure (15)	Bar chart shows the mean value of Age distribution in Brick Kiln workers groups and Control group	83
Figure (16)	Bar chart shows the mean value of BMI Change in Brick Kiln workers groups and Control group	84
Figure (17)	Bar chart shows the mean value of Exposure time per day in Brick Kiln workers groups.	84
Figure (18)	Bar chart shows the mean value of Blood pH in the studied groups.	86

List of figures

Figure (19)	Mean value of PCO ₂ in the studied groups	87
Figure (20)	Mean value of PO ₂ in in the studied groups	88
Figure (21)	Mean value of AST in the studied groups.	89
Figure (22)	Mean value of ALT in the studied groups.	90
Figure (23)	Mean value of Gamma-Glutamyl transferase (GGT)	91
Figure (24)	Mean value of Serum Creatinine and Blood Urea in the studied groups	92
Figure (25)	Mean value of AAT in the studied groups.	94
Figure (26)	Mean value of MDA in the studied groups	95
Figure (27)	Mean value of Nitric Oxide in the studied groups	96
Figure (28)	Mean value of Total Antioxidant Capacity in the studied groups	97
Figure (29)	Mean value of Pb, Cd and Cr in the studied groups	99
Figure (30)	Mean value of Serum acetylcholine (Ach)	100
Figure (31)	Mean value of NSE in the studied groups	101
Figure (32)	Mean value of PChE in the studied groups	102
Figure (33)	Mean value of RBCs in the studied groups	103
Figure (34)	Mean value of Hb in the studied groups	104
Figure (35)	Mean value of Hct in the studied groups	104