

Clinical and Biochemical Study on the Role of Free Radicals (Cells Oxidizers) and Antioxidants in Male Infertility

A Dissertation Presented by:

Sahar Kamal Hegazy

M.Sc. (Pharmaceutical Sciences), Tanta University.

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Supervisors

Prof. Dr.

Mohamed Adel Nasra

Prof. of Pharmacology and Toxicology,
Dept. of Pharmacology,
Faculty of Pharmacy,
Tanta University

Dr.

Osama Mohamed Ibrahim

Assistant Prof. of Clinical Pharmacy,
Chairman of Clinical Pharmacy Dept.,
Faculty of Pharmacy,
Tanta University

Dr.

Gamal Abdel Khalek El-Azab

Assistant Prof. of Clinical Pharmacy,
Dept. of Clinical Pharmacy,
Faculty of Pharmacy,
Tanta University

Prof. Dr.

Amani Ahmed Kolkaila

Prof. of Dermatology and Venereology,
Dermatology and Venereology Dept.,
Faculty of Medicine,
Tanta University

**CLINICAL PHARMACY DEPARTMENT
FACULTY OF PHARMACY
TANTA UNIVERSITY
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LIST OF ABBREVIATIONS

ADP	Adenosine diphosphate
AR	Acrosome reaction
ATP	Adenosine triphosphate phosphate
GMP	Guanosine monophosphate
CK	Creatine kinase
DNA	Deoxyribonucleic acid
FSH	Follicle stimulating hormone
G6PD	Glucose-6-phosphate dehydrogenase
GPX	Glutathione peroxidase
GrX	Glutathione reductase
GSH	Reduced glutathione
GSSG	Oxidized glutathione
H ₂ O ₂	Hydrogen peroxide
HO ₂ [·]	Hydroperoxyl radical
IL-8	Interleukin 8
LPO	Lipid peroxidation
MDA	Malondialdehyde.
NADPH	Nicotinamide adenine dinucleotide phosphate
NO	Nitric oxide
O ₂ ^{·-}	Superoxide radical
OH [·]	Hydroxyl radical
OHCl [·]	Hypochlorite radical
ONOO ⁻	Peroxynitrite
OSS	Oxidative stress status
PCM	Protein Carboxyl Methylase
PLA ₂	Phospholipase A ₂
PMN	Polymorphnuclear leucocytes
PUFA	Polyunsaturated fatty acids
ROS	Reactive oxygen species.
Se	Selenium
SOD	Superoxide dismutase
T	Testosterone
TBA	Thiobarbituric acid
TCA	Trichloroacetic acid
TPN	Total parenteral nutrition

tRNA
UV
vit. E
WBCs
WHO
ZP
ZP₃
232187

Transfer ribonucleic acid
Ultraviolet
Vitamin E
Seminal white blood cells
World Health Organization
Zona pellucida
Zona glycoprotein
Divalent cation ionophore

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