



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكرو فيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكرو فيلم



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



MONA MAGHRABY



**The potential effect of Neprilysin Inhibitor-
Angiotensin Receptor Blocker (Thiorphan-
Irbesartan) in A Rat Model of Myocardial
Ischemic Reperfusion Injury: A Comparative
study with each; Nitrate and Carvedilol**

Thesis

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Clinical Pharmacology*

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List of Abbreviations	
<i>Abb.</i>	<i>Full Term</i>
ACEi	Angiotensin-converting-enzyme inhibitor
ADP	Adenosine diphosphate
Ag-II	Angiotensin-II
AMI	Acute myocardial infarction
ANP	Atrial natriuretic peptide
ARB	Angiotensin receptor blocker
ARNI	Angiotensin receptor neprilysin inhibitor
ATP	Adenosine triphosphate
AT₁R	Type 1 angiotensin II receptor
AT₂R	Type 2 angiotensin II receptor
BNP	Brain natriuretic peptide
Ca²⁺	Calcium
CAR	Carvedilol
c-GMP	Cyclic guanylyl monophosphate
CK-MB	Creatine kinase – MB isoenzyme
CNP	C-type natriuretic peptide
DMSO	Dimethyl Sulfoxide
DNA	Deoxyribonucleic acid

List of Abbreviations (<i>Cont</i>)	
<i>Abb.</i>	<i>Full Term</i>
ECG	Electrocardiography
ELISA	Enzyme-linked immunosorbent assay
ET-1	Endothelin-1
ETC	Electron transport chain
H&E	Haematoxylin & Eosin
HF	Heart failure
HRP	Horseradish Peroxidase
I/R	Ischemia/reperfusion
IRB	Irbesartan
K⁺	Potassium
LAD	Left anterior descending coronary artery
LV	Left ventricle
LVdp/dt_{max}	The maximal rate of rise of left ventricular pressure
LVEDP	Left ventricular end diastolic pressure
MBP	Mean arterial blood pressure
MDA	Malondialdehyde enzyme
MPTP	Mitochondrial permeability transition pores

List of Abbreviations (<i>Cont.</i>)	
<i>Abb.</i>	<i>Full Term</i>
Na⁺	Sodium
NADH	Nicotinamide adenine dinucleotide; reduced form
NEP	Neprilysin enzyme
NO	Nitric oxide
NPs	Natriuretic peptides
NTG	Nitroglycerin
OP	Oxidative phosphorylation
PKG	Protein kinase G
RAAS	Renin angiotensin aldosterone system
ROS	Reactive oxygen species
SNS	Sympathetic nervous system
SOD	Superoxide dismutase enzyme
TMB	Tetramethylbenzidine
VF	Ventricular fibrillation
VPBs	Ventricular premature beats
VT	Ventricular tachycardia

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