Potential Effect of Olive Oil on Renal Ischemia-Reperfusion-Mediated Hepatic and Renal Changes in Stressed Rats

Thesis
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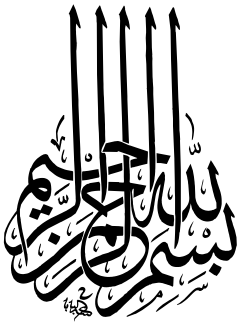

" قالوا سبحانك لا علم لنا
إلا ما علمتنا
إنك أنت العليم الحكيم "

سورة البقرة (آية 32)

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Contents

List of Abbreviations

Abbreviation	Full name
AKI	Acute kidney injury
Alb	Albumin
ALP	Alkaline phosphatase
ALT	Alanine transferase
ARF	Acute renal failure
AST	Aspartate transferase
BB	Brush border
CKD	Chronic kidney diseases
EGTI	Endothelial, Glomerular, Tubular and Interstitial
eNOS	Endothelial nitric oxide synthase
FBW	Final body weight
FFA	Free fatty acid
GFR	Glomerular filtration rate
GSH-Px	Glutathione peroxidase
H_2O_2	Hydrogen peroxide
HDL-C	High density lipoprotein-Cholesterol
HOCl	Hypochlorous acid
HPA	Hypothalamic-pituitary-adrenal
HRP	Horseradish Peroxidase
I-R	Ischemia-reperfusion
IBW	Initial body weight
ICAM-1	Intercellular adhesion molecule-1
IL	Interleukin
iNOS	Inducible nitric oxide synthase

JAK/STAT	Janus kinase/signal transducer and activator of transcription
KW	Kidney weight
KW/BW	Kidney weight/body weight
LDL-C	Low density lipoprotein-Cholesterol
LW	Liver weight
LW/BW	Liver weight/body weight
MDA	Malondialdehyde
NADP	Nicotinamide adenine dinucleotide phosphate
NADPH	Nicotinamide adenine dinucleotide hydrogen
NF-κB	Nuclear factor-κB
nNOS	Neuronal nitric oxide synthase
NO	Nitric oxide
NOS	Nitric oxide synthase
$O_2^{\cdot}$	Superoxide anions
$OH^{\cdot}$	Hydroxyl radicals
PECAM-1	Platelet-endothelial cell adhesion molecule-1
PGSL-1	P-selectin glycoprotein-1
ROS	Reactive oxygen species
SOD	Superoxide dismutase
STAT-1 alpha	Signal transducer and activator of transcription-1 alpha
TB	Total bilirubin
TNF-α	Tumor necrosis factor-alpha
XO	Xanthine oxidase

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