



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 Effect of Trifolium Pratense and Cicer Arietinum Extracts on the Mandibular Alveolar Bone and periodontal ligaments of Ovariectomized Albino Rats

“Histological and Immunohistochemical Study”

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَقُلْ نَزَّلْنِي عَلَمَا

صَدَقَ اللَّهُ الْعَظِيمُ



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Dedication

I would like to dedicate this work to

My Parents,

My Siblings,

My Husband

&

My Lovely Daughter

.. Alia ..

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LIST OF ABBREVIATIONS

Abbreviation	Term
BMC	Bone mineral content
BMD	Bone mineral density
BV/TV	Bone volume / tissue volume
Ca²⁺	Calcium ions
CAE	Cicer arietinum extract
CP	Chickpea
CPE	Chickpea extract
CVD	Cardiovascular disease
DAB	Diaminobenzidine
DEXA	Dual energy X-ray absorptiometry
DPX	Dibutyl Phthalate Xylene
E2	Estradiol
ECM	Extracellular matrix
EDTA	Ethylene Diamine Tetra-acetic acid
ER-α	Estrogen receptor-alpha
ER-β	Estrogen receptor-Beta
ERs	Estrogen receptors
Fig.	Figure
FN	Fibronectin
FSH	Follicle stimulating hormone
HDL	High-density lipoprotein
H&E	Hematoxylin and Eosin
HRT	Hormone replacement therapy
IL	Interleukin
kvp	Kilovoltage peak

Abbreviation	Term
LDL	Low-density lipoprotein
LH	Luteinizing hormone
L.M	Light Microscope
mA	Milliampere
μl	microliter
mm²	Millimeter square
MMPs	Matrix metalloproteinases
mSV	Millisievert
OP	Osteoporosis
OPG	Osteoprotegrin
OVX	Ovariectomized
PBS	Phosphate buffer saline
PDL	Periodontal ligament
PTH	Parathyroid hormone
RANK	Receptor activator of nuclear factor kappa-B
RANKL	Receptor activator of nuclear factor kappa-B ligand
RBC's	Red blood cells
RC	Red clover
RCE	Red clover extract
SD	Standard deviation
SERMs	Selective estrogen receptor modulators
TNF-α	Tumor necrosis factor-alpha
TRAP	Tartrate-resistant acid phosphatase
Zn²⁺	Zinc ions

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