Effect of Simvastatin On The Extraction Socket Healing In Predinosolone Induced Osteoporotic Mandible Of Albino Rat

(Histological and Immunohistochemical study)

Thesis

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بسم الله الرحمن الرحيم

سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَآ إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

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Dedication

To my parents.

To my husband Amr.

To my kids Reem and Abd El Rahman.

To my best friends Hend al messairy and Enjy Gaber.

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LIST OF ABBREVIATIONS

Abbreviation	Meaning
ATP ase	Adenosine Triphosphatase
BMPs	Bone morphogenic proteins
BMUs	Bone multicellular units
BMD	Bone mineral density
CEJ	Cementoenamel junction
GTP	Guanosine-5'-triphosphate
H&E	Haematoxylin & Eosin
HMG-CoA	3-hydroxy-3-methylglutaryl-coenzyme A
MMPs	Matrix metalloproteinase
mRNA	Messenger Ribonucleic acid
OVX	Overictomized
PDL	Periodontal ligament
Pred	Prednisolone

PTH	Parathormone hormone
Sim	Simvastatin
SPARC	Secreted protein acidic rich in cysteine
TRAP	Tartrate resistant acid phosphatase
VEGF	Vascular endothelial growth factor
α	Alpha
β	Beta

LIST OF FIGURES