

Histological Evaluation of the Effect of Collagen Binding Peptide Enhanced Bone Graft on Periodontal Wound Healing

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سُبْحَانَكَ اللَّهُمَّ

﴿قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا
عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ﴾

صدق الله العظيم

سورة البقرة آية (٣٢)





Dedication

To my country, Yemen, that I cherish most,

To my second country, Egypt, where I learned a lot,

To my father who supported me and instilled the motive to learn inside me,

To my mother, the fountain of encouragement,

To my beloved brother and sisters,

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Arabic summary

List Of Abbreviation

ABM	Anorganic bovine-derived hydroxyapatite matrix.
AFM	Atomic force microscopy
Area %	Area percentage
BRG	Bone replacement graft
CAL	Clinical attachment level
CEJ	Cementoenamel junction
DAB	Diaminobenzidine
DFDBA	Demineralized freeze-dried bone allografts
ECM	Extracellular matrix
ePTFE	Expanded polytetrafluoroethylene
FDBA	Freeze-dried bone allografts
FN	Fibronectin
FTIR	Fourier Transform Infrared Spectroscopy

HEMA	Hydroxyethylmethacrylate
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H&E	Hematoxylin and Eosin
LM	Light microscopy
MWF	Modified Widman flap
OFD	Open flap debridement
OD	Optical density
PDGF	Platelet derived growth factor
PMMA	Polymethylmethacrylate
PMNs	Polymorphnuclear leukocytes
PPD	Probing pocket depth
P-15	Synthetic cell-binding peptide ⁹
RGD	Arginine glycine aspartic acid
sFN	Surface fibronectin
TGF	Transforming growth factor

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