



Evaluation of Different Intracanal Medicaments on Stem Cell Viability and Root Maturation (*An in vitro- in vivo study*)

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Π

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

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Dedication

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Who offers great love and sacrifice and
always pushing me along the way of success.

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throughout the course of this thesis.

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LIST OF ABBREVIATIONS

AAE	American association of endodontics
AEP	Aqueous Extract of Propolis
BMMSCs	Bone marrow derived mesenchymal stem cells
CaOH₂	Calcium Hydroxide
CD	Cluster of differentiation marker
CEJ	Cemento-Enamel junction
DAP	Double Antibiotic Paste
D-MEM	Dulbecco's modified Eagles medium
DPSCs	Dental Pulp Stem Cells
EDTA	Ethylenediaminetetraacetic acid
EEP	Ethanolic Extract of Propolis
ERSH	Epithelial root sheath of Hertwig
FBS	Fetal bovine serum
HBSS	Hank's balanced salt solution
HPDL	Human Fibroblast of Periodontal Ligament
MTA	Mineral Trioxide Aggregate
MTAP	Modified Triple Antibiotic Paste
MTT assay	Microculture Tetrazolium Assay
NaOCl	Sodium Hypochlorite
REPs	Regenerative Endodontic Procedure
SCAP	Stem Cells of Apical Papilla
TAP	Triple Antibiotic Paste