



**Effect of Smoking Cessation
on Salivary IL- 1 β and PGE-2 Levels
Following Non-Surgical Periodontal Therapy
Thesis**

Submitted for Partial Fulfillment of Master Degree
in Oral Medicine, Periodontology and Oral Diagnosis

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2018



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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

البقرة: ٣٢

(They said, "Exalted are You; we have no knowledge except what You have taught us. Indeed, it is You who is the Knowing, the Wise." (2 : 32))



Dedication



To my beloved mother, whom I wouldn't have reached this place without her passionate help, support and encouragement; I dedicate all my success to you and I hope to make you always proud.

*To my highest symbol of manhood, my Father
(may ALLAH mercy his pure soul)*

To my husband, who patiently provided me with all the needed support and encouragement to continue.

*To the greatest gift from ALLAH ever, my
daughter, Lana*

*To my brothers and sisters, all my beloved family
and my friends; who surrounded me with support,
happiness and hope...*

Thank you all for being always by my side



Acknowledgment



First of all, great thanks to “ALLAH” who gave me the strength to accomplish this work, intending to serve “God”, science and the Islamic nation.

*My sincere gratitude to **Prof. Dr. Ahmed Youssef Gamal**, Professor of Oral Medicine, Periodontology, Oral Diagnosis and Radiology Department- Faculty Of Dentistry, Ain Shams University, for his kind assistance, sincere encouragement and valuable criticism. It was a great honor for me to work under his supervision.*

*I am thankful to **Dr. Fatma Hamed Mohammed El Demerdash**, Lecturer Of Oral Medicine, Periodontology, Oral Diagnosis and Radiology Department-Faculty Of Dentistry, Ain Shams University, for her support.*

*I would like to express my deep appreciation to **Dr. Hussien Ahmed ElKholi**, Lecturer of Psychiatry, Faculty of Medicine, Ain Shams University, for his valuable time, help and guidance. This work was accomplished by his great assistance and support.*



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Number	Title
A.A	Aggregatibacter Actinomycetemcomitans
ALP	Alkaline Phosphatase
ALT	Alanine Aminotransferase
AST	Aspartate Aminotransferase
BOP	Bleeding On Probing
CAL	Clinical Attachment Loss
CASP1	Caspase 1
CEJ	Cemento-Enamel Junction
CSI	Cigarette Smoke Inhalation
ELISA	Enzyme-Linked Immuno-Sorbent Assay
GBF	Gingival Blood Flow
GCF	Gingival Crevicular Fluid
GCF	Gingival Crevicular Fluid
GI	Gingival Index
GTR	Guided Tissue Regeneration
IGA	Immunoglobulin A
IGG	Immunoglobulin G
IL1-B	Interleukin One Beta
M	Mean
MIP-1A	Macrophage Inflammatory Protein
MMP	Matrix Metalloproteinase
MRNA	Messenger Ribonucleic Acid
NRT	Nicotine Replacement Therapy
NS	Non Smokers
NSPT	Non-Surgical Periodontal Therapy

List of Abbreviations

Remove Watermark Now

Number	Title
OD	Optical Density
OPG	Osteoprotegerin
OTC	Over The Counter
PDL	Periodontal Ligament
PDS	Periodontal Diseases
PGE ₂	Prostaglandin E Two
PLI	Plaque Index
PMNS	Poly Morph Nuclear Cells
PD	Probing Depth
SC	Smokers That Continue To Smoke
SD	Standard Of Deviation
SQ	Smokers That Quit Smoking
SRP	Scaling And Root Planning
TDT	Tobacco Dependence Treatment
TIMPS	Tissue Inhibitors Of Metalloproteinases
TNF-A	Tumor Necrosis Factor- Alpha
WHO	World Health Organization
WUS	Whole Unstimulated Saliva

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